CAS	Chemical_Name	VOC?	TAC?	HAP?
100-00-5	p-Nitrochlorobenzene	YES	YES	NO
100-01-6	p-Nitroaniline	YES	YES	NO
100-02-7	4-Nitrophenol	YES	YES	YES
10025-67-9	Sulfur monochloride	NO	YES	NO
10025-87-3	Phosphorus oxychloride	NO	YES	NO
10026-13-8	Phosphorus pentachloride	NO	YES	NO
10035-10-6	Hydrogen bromide	NO	YES	NO
100-37-8	Diethylaminoethanol, 2-	YES	YES	NO
100-41-4	Ethyl benzene	YES	YES	YES
100-42-5	Styrene	YES	YES	YES
10043-01-3	Aluminum sulfate	YES	NO	NO
100-44-7	Benzyl chloride	YES	YES	YES
10049-04-4	Chlorine dioxide	NO	YES	NO
100-51-6	Benzyl alcohol	YES	NO	NO
100-61-8	N-Methyl aniline	YES	YES	NO
100-63-0	Phenylhydrazine	YES	YES	NO
100-66-3	Anisole	YES	NO	NO
100-68-8	Methylene diphenyl diisocyanate	YES	NO	NO
100-74-3	N-Ethylmorpholine	YES	YES	NO
10102-43-9	Nitric oxide	NO	YES	NO
101-14-4	4,4-Methylene bis(2-chloroaniline)	YES	YES	YES
10117-38-1	Potassium sulfite	NO	NO	NO
101-68-8	Methylene bis(phenyl isocyanate)(Methylene diphenyl diisocyanate MDI)	YES	YES	YES
101-77-9	4,4'-Methylene dianiline	YES	YES	YES
101-80-4	4,4'-Diaminodiphenyl ether	YES	YES	NO
101-84-8	Phenyl ether	YES	YES	NO
101-90-6	Diglycidyl resorcinol ether	YES	YES	NO
102-06-7	1,3-Diphenyl guanidine	YES	NO	NO
10210-68-1	Cobalt carbonyl as Co [cobalt compound]	YES	YES	YES
102-54-5	Dicyclopentadienyl iron	YES	YES	NO
102-71-6	Triethanolamine	YES	NO	NO
102-81-8	2-N-Dibutylaminoethanol	YES	YES	NO
10294-33-4	Boron tribromide	NO	YES	NO
10294-34-5	BORON TRICHLORIDE	NO	NO	NO
103-16-2	Hydroquinone mono benzyl ether	YES	NO	NO
104-76-7	2-Ethyl-1-hexanol	YES	NO	NO
104-78-9	Diethylamino propylamine	YES	NO	NO
105-46-4	sec-Butyl acetate	YES	YES	NO
105-60-2	Caprolactum, dusts	YES	YES	NO
10588-01-9	Sodium Dichromate	NO	NO	NO
10595-95-6	N-Nitrosomethylethylamine	NO	YES	NO
106-35-4	Ethyl butyl ketone	YES	YES	NO
106-42-3	p-Xylenes	YES	YES	YES
106-44-5	p-Cresol	YES	YES	YES
106-46-7	1,4-Dichlorobenzene(p-Dichlorobenzene)	YES	YES	YES
106-47-8	4-Chloroaniline	YES	NO	NO
106-49-0	p-Toluidine	YES	YES	NO
106-50-3	p-Phenylenediamine	YES	YES	YES
106-51-4	Quinone (1,4-Cyclohexadienedione)	YES	YES	YES
106-65-0	Dimethyl succinate	YES	NO	NO
106-87-6	Vinyl cyclohexene dioxide	YES	YES	NO
106-88-7	1,2-Epoxybutane (1,2-Butylene oxide)	YES	YES	YES
106-89-8	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	YES	YES	YES
106-92-3	Allyl glycidyl ether (AGE)	YES	YES	NO
106-93-4	Ethylene dibromide (1,2-dibromoethane)	YES	YES	YES
106-97-8	Butane	YES	YES	NO
106-99-0	1,3-Butadiene	YES	YES	YES
1070-10-6	Tetraoctyl Titanate (2)	YES	NO	NO
107-02-8	Acrolein	YES	YES	YES
107-05-1	Allyl chloride	YES	YES	YES
107-06-2	Ethylene dichloride (1,2-Dichloroethane)	YES	YES	YES
107-07-3	Ethylene chlorohydrin	YES	YES	NO

EPA Region 10 Superfund

Releasable

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CAS	Chemical_Name	VOC?	TAC?	HAP?
107-11-9	ALLYLAMINE (2-PROPEN-1-AMINE)	YES	NO	NO
107-12-0	PROPANENITRILE (ETHYL CYANIDE)	YES	NO	NO
107-13-1	Acrylonitrile	YES	YES	YES
107-15-3	Ethylene diamine	YES	YES	NO
107-16-4	FORMALDEHYDE CYANOHYDRIN (GLYCONITRILE, HYDROXY-ACETONITRILE)	YES	NO	NO
107-18-6	Allyl alchohol	YES	YES	NO
107-19-7	Propargyl alcohol	YES	YES	NO
107-20-0	Chloroacetaldehyde	YES	YES	NO
107-21-1	Ethylene glycol	YES	YES	YES
107-30-2	Chloromethyl methyl ether	YES	YES	YES
107-31-3	Methyl formate	YES	YES	NO
107-41-5	Hexylene glycol	YES	YES	NO
107-49-3	TEPP	YES	YES	NO
107-66-4	Dibutyl phosphate	YES	YES	NO
107-87-9	2-Pentanone (Methyl propyl ketone)	YES	YES	NO
107-98-2	Propylene glycol mono-methyl ether	YES	YES	NO
108-01-0	Dimethyl ethanolamine	YES	NO	NO
108-03-2	1-Nitropropane	YES	YES	NO
108-05-4	Vinyl acetate	YES	YES	YES
108-10-1	Methyl isobutyl ketone (MIBK; Hexone)	YES	YES	YES
108-11-2	Methyl isobutyl carbinol	YES	YES	NO
108171-27-3	Paraffin, chlorinated	YES	NO	NO
108-18-9	Diisopropylamine	YES	YES	NO
108-20-3	Isopropyl ether	YES	YES	NO
108-21-4	Isopropyl acetate	YES	YES	NO
108-23-6	ISOPROPYL CHLOROFORMATE (CARBONOCHLORIDIC ACID, 1-METHYLETHYL ESTER)	YES	NO	NO
108-24-7	Acetic anhydride	YES	YES	NO
108-31-6	Maleic anhydride	YES	YES	YES
108-38-3	m-Xylenes	YES	YES	YES
108-39-4	m-Cresol	YES	YES	YES
108-43-0	Chlorophenols	YES	YES	NO
108-44-1	m-Toluidine	YES	YES	NO
108-46-3	Resorcinol	YES	YES	NO
108-60-1	Bis(2-chloro-1-methyl-ethyl)ether	YES	NO	NO
108-65-6	Methyloxy-2-propanol acetate	YES	NO	NO
108-67-8	Mesitylene (1,3,5-Trimethylbenzene)	YES	NO	NO
108-83-8	Diisobutyl ketone	YES	YES	NO
108-84-9	sec-Hexyl acetate	YES	YES	NO
108-87-2	Methylcyclohexane	YES	YES	NO
108-88-3	Toluene	YES	YES	YES
108-90-7	Chlorobenzene	YES	YES	YES
108-91-8	Cyclohexylamine	YES	YES	NO
108-93-0	Cyclohexanol	YES	YES	NO
108-94-1	Cyclohexanone	YES	YES	NO
108-95-2	Phenol	YES	YES	YES
108-98-5	Phenyl mercaptan	YES	YES	NO
109-59-1	Isopropoxyethanol	YES	YES	NO
109-60-4	n-Propyl acetate	YES	YES	NO
109-61-5	PROPYL CHLOROCARBONATE (CARBONOCHOLRIDIC ACID, PROPYL ESTER)	YES	NO	NO
109-66-0	Pentane	YES	YES	NO
109-73-9	n-Butylamine	YES	YES	NO
109-79-5	Butyl mercaptan	YES	YES	NO
109-86-4	Methyl cellosolve (2-Methoxyethanol)	YES	YES	NO
109-87-5	Methylal	YES	YES	NO
109-89-7	Diethylamine	YES	YES	NO
109-94-4	Ethyl formate	YES	YES	NO
109-99-9	Tetrahydrofuran	YES	YES	NO
110-00-9	FURAN (OXACYCLOPENTADIENE)	YES	NO	NO
110-12-3	Methyl isoamyl ketone	YES	YES	NO
110-19-0	Isobutyl acetate	YES	YES	NO
110-43-0	Methyl n-amyl ketone	YES	YES	NO
110-49-6	2-Methoxyethyl acetate [glycol ether]	YES	YES	YES
110-54-3	Hexane (n-Hexane)	YES	YES	YES

CAS	Chemical_Name	VOC?	TAC?	HAP?
110-57-6	2-BUTENE, 1,4-DICHLORO-,(E)- (1,4-DICHLOO-TRANS-BUTENE)	YES	NO	NO
110-62-3	n-Valeraldehyde	YES	YES	NO
110-80-5	2-Ethoxyethanol (Cellosolve) [glycol ether]	YES	YES	YES
110-82-7	Cyclohexane	YES	YES	NO
110-83-8	Cyclohexene	YES	YES	NO
110-86-1	Pyridine	YES	YES	NO
110-89-4	PIPERIDINE (AZACYCLOHEXANE)	YES	NO	NO
110-91-8	Morpholine	YES	YES	NO
111-15-9	2-Ethoxyethyl acetate [glycol ether]	YES	YES	YES
111-30-8	Glutaraldehyde	YES	YES	NO
111-40-0	Diethylenetriamine (DETA)	YES	YES	NO
111-42-2	Diethanolamine	YES	YES	YES
111-44-4	Dichloroethyl ether (Bis(2-chloroethyl)ether)	YES	YES	YES
111-65-9	Octane	YES	YES	NO
111-76-2	2-Butoxyethanol (Butyl cellosolve; Ethylene glycol monobutyl ether) [glycol ether]	YES	YES	NO
111-84-2	Nonane	YES	YES	NO
111-90-0	Carbitol (Diethylene glycol monoethyl ether)	YES	NO	NO
1119-40-0	Dimethyll glutarate	YES	NO	NO
111-96-6	Diethylene glycol dimenthyl ether	YES	NO	NO
1120-71-4	1,3-Propane sultone	YES	YES	YES
112-07-2	2-Butoxy Ethyl Acetate	YES	NO	NO
112-24-3	Bis 1,2-Ethanediamine,N,N'	YES	NO	NO
112-27-6	Triethylene Glycol	YES	NO	NO
112-34-5	Diethylene glycol monbutyl ether [glycol ether]	YES	NO	YES
112-57-2	Tetraethylene pentamine	YES	NO	NO
112-59-4	Dimethyl glycol mono n-hexyl ether	YES	NO	NO
112-62-9	Methyl oleate	YES	NO	NO
112-73-2	Diethylene glycol dibutyl ether	YES	NO	NO
114-26-1	Propoxur (Baygon)	YES	YES	YES
115-10-6	Dimethyl ether propellant	YES	NO	NO
115-21-9	SILANE, TRICHLOROETYL (ETHYLTRICHLOROSILANE)	YES	NO	NO
115-29-7	Endosulfan	YES	YES	NO
115-86-6	Triphenyl phosphate	YES	YES	NO
115-90-2	Fensulfothion	YES	YES	NO
1163-19-5	Decabromodiphenyl oxide (DBDPE)	YES	NO	NO
117-79-3	2-Aminoanthraquinone	YES	YES	NO
117-81-7	Bis(2-ethylhexyl)phthalate (DEHP)	YES	YES	YES
118-52-5	1,3-Dichloro-5,5-dimethyl hydantoin	YES	YES	NO
1185-55-3	Methyltrimethoxysilane	YES	NO	NO
118-74-1	Hexachlorobenzene	YES	YES	YES
118-96-7	2,4,6-Trinitrotoluene	YES	YES	NO
1189-85-1	tert-Butyl chromate, as CrO3 [chromium compound]	YES	YES	YES
119147-89-6	Mercaptan terminated polymer	YES	NO	NO
119-90-4	3,3-Dimethoxybenzidine (ortol-dianisidine)	YES	YES	YES
119-93-7	3,3'-Dimethyl benzidine	YES	YES	YES
12035-72-2	Nickel-refinery dust subsulfide	NO	NO	NO
12079-65-1	Manganese cyclopentadienyl tricarbonyl [manganese compound]	YES	YES	YES
120-80-9	Catechol	YES	YES	YES
120-82-1	1,2,4-Trichlorobenzene	NO	YES	YES
12108-13-3	Methylcyclopentadienyl manganese tricarbonyl [manganese compound]	YES	YES	YES
121-14-2	2,4-Dinitrotoluene	YES	YES	YES
12125-01-8	Ammonium fluoride	NO	NO	NO
12125-02-9	Ammonium chloride fumes	NO	YES	NO
121-44-8	Triethylamine	YES	YES	YES
121-45-9	Trimethyl phosphite	YES	YES	NO
121-69-7	N,N-Dimethylaniline (N-N-Diethyl aniline)	YES	YES	YES
121-75-5	Malathion	YES	YES	NO
121-82-4	Cyclonite	YES	YES	NO
122-39-4	Diphenylamine	YES	YES	NO
122-60-1	Phenyl glycidyl ether	YES	YES	NO
122-66-7	1,2-Diphenyl hydrazine	YES	YES	YES
123-19-3	Dipropyl ketone	YES	YES	NO
123-31-9	Hydroquinone	YES	YES	YES

CAS	Chemical_Name	VOC?	TAC?	HAP?
123-38-6	Propionaldehyde	YES	YES	YES
123-42-2	Diacetone alcohol	YES	YES	NO
123-51-3	Isoamyl alcohol	NO	YES	NO
123-54-6	Acetyl acetone	YES	NO	NO
123-73-9	2-BUTENAL, (E) (TRANS-CROTONALDEHYDE)	YES	NO	NO
123-86-4	n-Butyl acetate	YES	YES	NO
123-91-1	1,4-Dioxane (1,4-Diethylene oxide)	YES	YES	YES
123-92-2	Isoamyl acetate	YES	YES	NO
124-04-9	Adipic acids	YES	NO	NO
124-38-9	Carbon dioxide	NO	NO	NO
124-40-3	Dimethylamine	YES	YES	NO
124-68-5	2-Amino-2-methyl-1-propanol	YES	NO	NO
12604-58-9	Ferrovanadium dust	NO	YES	NO
126-06-7	Dimethylhydantoin,5-,1-BR-3-Cl-5	YES	NO	NO
12656-57-4	Cadmium - Selenium	NO	NO	NO
126-73-8	Tributyl phosphate	YES	YES	NO
126-85-2	Nitrogen mustard N-oxide	YES	YES	NO
126-98-7	Methylacrylonitrile	YES	YES	NO
126-99-8	b-Chloroprene	YES	YES	YES
127-09-3	Sodium Acetate	YES	NO	NO
127-18-4	Perchloroethylene (tetrachloroethylene)	NO	YES	YES
127-19-5	Dimethylacetamide	YES	YES	NO
127-68-4	Nitrobenzene sulfonic acid, M-, sodium salt	YES	NO	NO
128-04-1	Sodium Dimethyldithiocarbamate	YES	NO	NO
128-37-0	2,6-Ditert.butyl-p-cresol	YES	YES	NO
129-15-7	2-Methyl-1-nitroanthraquinone	YES	YES	NO
1300-73-8	Xylidine	YES	YES	NO
1302-76-7	Aluminum silicate	NO	NO	NO
1303-86-2	Boron oxide	NO	YES	NO
1303-96-4	Borate (anhydrous and pentahydrate)	NO	YES	NO
1304-82-1	Bismuth telluride	NO	YES	NO
1305-62-0	Calcium hydroxide	NO	YES	NO
1305-78-8	Calcium oxide	NO	YES	NO
1306-19-0	Cadmium oxide	NO	NO	NO
1308-38-9	Chromic oxide	YES	NO	NO
1309-37-1	Iron oxide fumes, Fe2O3 as Fe	NO	YES	NO
1309-48-4	Magnesium oxide fumes	NO	YES	NO
1309-64-4	Antimony trioxide, as Sb [antimony compound]	NO	YES	YES
1310-58-3	Potassium hydroxide	NO	YES	NO
1310-73-2	Sodium hydroxide	NO	YES	NO
131-11-3	Dimethyl phthalate	YES	YES	YES
13121-70-5	Cyhexatin	YES	YES	NO
1313-13-9	Manganese dioxide	NO	NO	NO
1313-99-1	Nickel oxide	NO	NO	NO
1314-13-2	Zinc oxide, fumes	NO	YES	NO
1314-20-1	Thorium dioxide	NO	YES	NO
1314-62-1	Vanadium, as V2O5	NO	YES	NO
1314-80-3	Phosphorus pentasulfide	NO	YES	NO
1317-33-5	Molybdenum disulfide	NO	NO	NO
1317-65-3	Calcium carbonate	NO	NO	NO
1319-77-3	Cresols/cresylic acid and compounds	YES	YES	YES
1321-64-8	Pentachloronaphthalene	YES	YES	NO
1321-65-9	Trichloronaphthalene	YES	YES	NO
1321-74-0	Divinyl benzene	YES	YES	NO
1325-86-6	Solvent Blue 5	YES	NO	NO
132-64-9	Dibenzofurans	YES	YES	YES
1330-20-7	Xylenes	YES	YES	YES
1330-43-4	Sodium Tetraborate, Pentahydrate	NO	NO	NO
133-06-2	Captan	YES	YES	YES
1330-78-5	Tricresyl phosphate (1)	YES	NO	NO
1332-21-4	Asbestos	NO	YES	YES
1332-58-7	Clay, pumice	NO	NO	NO
1333-82-0	Chromium VI	NO	NO	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
1333-86-4	Carbon black	NO	YES	NO
1335-87-1	Hexachloronaphthalene	YES	YES	NO
1335-88-2	Tetrachloronaphthalene	YES	YES	NO
1336-21-6	Ammonium hydroxide	NO	NO	NO
1336-36-3	Polychlorinated biphenyls (arochlors) (PCBs)	YES	YES	YES
1338-23-4	Methyl ethyl ketone peroxide	YES	YES	NO
133-90-4	Chloramben	YES	YES	YES
1341-49-7	Ammonium bifluoride	NO	NO	NO
13423-61-5	Magnesium chromate	NO	NO	NO
134-32-7	1-Napthylamine	YES	YES	NO
13463-39-3	Nickel carbonyl, as Ni	NO	NO	NO
13463-40-6	Iron pentacarbonyl, as Fe	NO	YES	NO
13494-80-9	Tellurium & compounds as Te	NO	YES	NO
135-20-6	Cupferron	NO	YES	NO
13530-65-9	Zinc chromates [chromium compound]	NO	YES	YES
13552-44-8	4,4-Methylenedianiline dihydrochloride	YES	YES	NO
13560-89-9	Cycloocetene (C18H12CL12)	YES	NO	NO
135-88-6	N-Phenyl-2-napthylamine	YES	YES	NO
136-78-7	Sesone	YES	YES	NO
13680-35-8	Diethylbisaniline,0-	YES	NO	NO
137-05-3	Methyl 2-cyanoacrylate	YES	YES	NO
137-26-8	Thirum	YES	YES	NO
13746-66-2	Potassium ferricyanide	NO	NO	NO
13755-29-8	Sodium Fluoborate	NO	NO	NO
13765-19-0	Calcium chromate, anhydrous	NO	YES	YES
138-22-7	n-Butyl lactate	YES	YES	NO
13838-16-9	Enflurane	YES	YES	NO
138-86-3	Dipentene	YES	NO	NO
1395-21-7	Subtilisins	YES	YES	NO
139-65-1	4,4'-Thiodianiline	YES	YES	NO
13967-50-5	Potassium dicyanoaurate	NO	NO	NO
139-91-3	5-(Morpholinomethyl)-3-(amino)-2-oxazolidinone(furaltudone)	YES	YES	NO
140-29-4	BENYL CYANIDE (BENZENEACETONITRILE)	YES	NO	NO
140-31-8	Aminoethyl piperazine,N-	YES	NO	NO
14075-53-7	Potassium fluoborate	NO	NO	NO
140-76-1	PYRIDINE, 5-ETHENYL-2-METHYL (5-VINYL-2-PICOLINE)	YES	NO	NO
140-88-5	Ethyl acrylate	YES	YES	YES
141-32-2	Butyl acrylate	YES	YES	NO
141-43-5	Ethanolamine (Monethanol amine)	YES	YES	NO
141-66-2	Dicrotophos	YES	YES	NO
141-78-6	Ethyl acetate	YES	YES	NO
141-79-7	Mesityl oxide	YES	YES	NO
142-64-3	Piperazine dihydrochloride	YES	YES	NO
142-82-5	Heptane (n-Heptane)	YES	YES	NO
142-96-1	Butyl ether	YES	NO	NO
143-33-9	Sodium cyanide	YES	NO	NO
144-62-7	Oxalic acid	YES	YES	NO
14484-64-1	Ferbam	YES	YES	NO
14504-95-1	Chrome orange, 58% Pb	NO	NO	NO
1477-55-0	m-Xylene a,a'-diamine (Benzenedimethanamine)	YES	YES	NO
148-01-6	Dinitolmide	YES	YES	NO
14807-96-6	Talc	NO	NO	NO
14808-60-7	Silicon oxide	NO	NO	NO
148-18-5	Sodium diethyldithiocarbamate	YES	NO	NO
149-30-4	Mercaptobenzothiazole (mtb)	YES	NO	NO
14977-61-8	Chromyl chloride [chromium compound]	NO	YES	YES
150-68-5	Dimethyl P-chlorophenyl urea, 1,1-	YES	NO	NO
150-76-5	4-Methoxyphenol	YES	YES	NO
151-41-7	Monododecyl ester of sulfuric	YES	NO	NO
151-56-4	Ethylene imine (Aziridine)	YES	YES	YES
151-67-7	Halothane	YES	YES	NO
1563-66-2	Carbofuran	YES	YES	NO
156-62-7	Calcium cyanamide	NO	YES	YES

CAS	Chemical_Name	VOC?	TAC?	HAP?
1582-09-8	Trifluralin	YES	YES	YES
1615-80-1	1,2-Diethylhydrazine	YES	YES	NO
16219-75-3	Ethylidene norbornene	YES	YES	NO
1634-04-4	Methyl tert butyl ether	YES	YES	YES
16752-77-5	Methomyl	YES	YES	NO
1675-54-3	Bisphenol a/polyglycidyl ether	YES	NO	NO
16842-03-8	Cobalt hydrocarbonyl [cobalt compound]	YES	YES	YES
16923-95-8	Potassium fluozirconate	NO	NO	NO
16940-66-2	Sodium Borohydride	NO	NO	NO
1694-09-3	Benzyl violet 4b	YES	YES	NO
16984-48-8	Fluorides, as F	NO	YES	NO
1746-01-6	2,3,7,8-Tetrachlorodibenzi-p-dioxin (2,3,7,8-TCDD)	NO	YES	YES
17557-23-2	Neopentyl glycol diglycidyl ether	YES	NO	NO
1760-24-3	Amino propyl trimethoxysilane	YES	NO	NO
17702-41-9	Decaborane	YES	YES	NO
17804-35-2	Benomyl	YES	YES	NO
1836-75-5	Nitrofen	YES	YES	NO
189-55-9	1,2:7,8-Dibenzopyrene (dibenzo(a,i)pyrene)	YES	YES	NO
189-64-0	Dibenzo(a,h)pyrene	YES	YES	NO
1912-24-9	Atrazine	YES	YES	NO
191-30-0	Dibenzo(a,l)pyrene	YES	YES	NO
1918-02-1	Picloram	YES	YES	NO
19210-06-1	Zinc Dithiophosphate	NO	NO	NO
192-65-4	Dibenzo(a,e)pyrene	YES	YES	NO
19287-45-7	Diborane	YES	YES	NO
1929-82-4	Nitrapyrin	YES	YES	NO
193-39-5	Indeno (1,2,3-cd)pyrene [POM]	YES	YES	YES
19408-74-3	1,2,3,7,8,9-Hexachloro-dibenzo-o-dioxin (1:2 mixture)	YES	YES	NO
19624-22-7	Pentaborane	YES	YES	NO
20324-33-8	Tripropylene glycol methyl ether(1)	YES	NO	NO
2039-87-4	o-Chlorostyrene	YES	YES	NO
20565-76-8	Aminoethy aminoethyl imidazoline,n-	YES	NO	NO
205-82-3	Benzo(j)fluoranthene	YES	YES	NO
205-99-2	Benzo(b)fluoranthene [POM]	YES	YES	YES
207-08-9	Benzo(k)fluoranthene [POM]	YES	YES	YES
20816-12-0	Osmium tetroxide as Os	YES	YES	NO
2095-06-9	Diglycidal amiline	YES	NO	NO
210-12-0	Paraffins	YES	NO	NO
2104-64-5	EPN	YES	YES	NO
21087-64-9	Metribuzine	YES	YES	NO
21351-79-1	Cesium hydroxide	NO	YES	NO
21651-19-4	Stannous Oxide	NO	NO	NO
2179-59-1	Allyl propyl disulfide	YES	YES	NO
22224-92-6	Fenamiphos	YES	YES	NO
2234-13-1	Octachloronaphthalene	YES	YES	NO
2238-07-5	Diglycidyl ether	YES	YES	NO
224-42-0	Dibenz(a,j)acridine	YES	YES	NO
226-36-8	Dibenz(a,h)acridine	YES	YES	NO
22708-90-3	Anhydrous aluminum silicate	NO	NO	NO
2385-85-5	Mirex	YES	YES	NO
2386-87-0	Oxabicyclo (4.1.0)heptane-3-carboxylic acid -	YES	NO	NO
2425-06-1	Captafol	YES	YES	NO
2425-79-8	Butanediol diglycidyl ether	YES	NO	NO
2426-08-6	n-Butyl glycidyl ether (BGE)	YES	YES	NO
24448-20-2	Ethoxylated bisphenol dimethylacrylate(1)	YES	NO	NO
2465-27-2	Auramine (technical grade)	YES	YES	NO
24937-78-8	Vinyl acetate copolymer	YES	NO	NO
25013-15-4	Vinyl toluene	YES	YES	NO
25036-25-3	Epoxy resin (1)	YES	NO	NO
25037-66-5	Unsaturated Polyester Resin	YES	NO	NO
25038-32-8	Styrene-isoprene copolymer	YES	NO	NO
25068-38-6	Epoxy resin	YES	NO	NO
25085-99-8	Diglyceride ether of bisphenol A, mixed	YES	NO	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
25154-52-3	Nonylphenol (2)	YES	NO	NO
25155-23-1	Trixylenyl phosphate	YES	NO	NO
25155-30-0	Sodium Dodecylbenzene Sulfonate	YES	NO	NO
25167-82-2	Trichlorophenol (mixed)	YES	YES	NO
25190-89-0	Fluoroelastomer	YES	NO	NO
25213-39-2	Styrene acrylic resin	YES	NO	NO
25214-70-4	Polymethylene polyphenyl	YES	NO	NO
2524-03-0	DIMETHYLPHOSPHOROCHLORIDOTHIOATE	YES	NO	NO
25321-14-6	Dinitrotoluenes (mixed)	NO	NO	NO
25322-68-3	Polyethylene glycol, 400	YES	NO	NO
25322-69-4	Polyalkalene glycol	YES	NO	NO
25359-84-6	Phenol,polymer w/2,6,6-Trimethylbicyclo[3.1.1]H EPT-2-ENE	YES	NO	NO
25464-21-5	Polyester resin, unsaturated (2)	YES	NO	NO
25497-28-3	Difluoroethane, 1 1-	YES	NO	NO
2551-62-4	Sulfur hexafluoride	NO	YES	NO
25551-13-7	Trimethyl benzene	YES	YES	NO
25639-42-3	Methylcyclohexanol	YES	YES	NO
25723-16-4	Polyoxypropylene triol	YES	NO	NO
25766-18-1	Alpha-pinene polymer	YES	NO	NO
25767-47-9	Resin [1]	NO	NO	NO
26027-38-3	Tergitol NP9 (A Nonionic Surfactant)	YES	NO	NO
26098-37-3	Isobenzofurandione/2,5-Furandione,2,2-Oxybis	YES	NO	NO
26125-61-1	Aramid	YES	NO	NO
26140-60-3	Terphenyls	YES	YES	NO
26142-30-3	Aliphatic polyglycidyl ether	YES	NO	NO
26299-47-8	Butyl acrylate, polymer with styrene & acrylonitril	YES	NO	NO
26352-16-9	Tetraethylsilicate	YES	NO	NO
26447-14-3	Cresyl glycidyl ether(1)	YES	NO	NO
26447-40-5	Diphenylmethane diisocyanate	YES	NO	NO
2646-17-5	Oil orange SS	YES	YES	NO
26471-62-5	Diisocyanatemethyl benzene,1,3	YES	NO	NO
26604-41-1	Methyl-3 (3-phenylene)bis(n,n-dimethylurea), n'n	YES	NO	NO
26628-22-8	Sodium azide	YES	YES	NO
26850-24-8	Imidazolidinedione,1,3-bis(2-hydroxyethyl)-5,5-Dimethyl,2-4	YES	NO	NO
26950-63-0	Triethylene tetramine polymer with methyl oxirane	YES	NO	NO
26952-21-6	Isocytl alcohol	YES	YES	NO
2698-41-1	o-Chlorobenzylidene malononitrile	YES	YES	NO
2699-79-8	Sulfuryl fluoride	NO	YES	NO
28064-14-4	Phenolic novolak resin	YES	NO	NO
2807-30-9	2-Propoxy-ethanol	YES	NO	NO
28182-81-2	Homopolymer of HDI	YES	NO	NO
2837-89-0	2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	NO	NO	NO
28390-91-2	Epoxy resin(4)	YES	NO	NO
28434-86-8	3,3'-dichloro-4,4'-diaminodiphenyl ether	YES	YES	NO
287-92-3	Cyclopentane	YES	YES	NO
28906-96-9	Bisphenol a/novolak blend	YES	NO	NO
29191-52-4	Anisidine (o-,p-isomers)	YES	YES	NO
2921-88-2	Chloropyrifos	YES	YES	NO
29320-38-5	Polyethylene polyamines	YES	NO	NO
29434-03-5	Polyether polyol	NO	NO	NO
2971-90-6	Clopidol	YES	YES	NO
298-00-0	Methyl parathion	YES	YES	NO
298-02-2	Phorate	YES	YES	NO
298-04-4	Disulfuton	YES	YES	NO
299-84-3	Ronnel	YES	YES	NO
299-86-5	Crufomate	YES	YES	NO
300-76-5	Naled	YES	YES	NO
301-04-2	Lead acetate [lead compound]	YES	YES	YES
302-01-2	Hydrazine	NO	YES	YES
302-70-5	Nitrogen mustard N-oxide hydro-chloride	YES	YES	NO
306-83-2	Dichlorotrifluoroethane (HCFC-123)	NO	NO	NO
3068-88-0	B-Butyrolactone	YES	YES	NO
309-00-2	Aldrin	YES	YES	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
3101-60-8	Butylphenylglycidylether, p-tert	YES	NO	NO
314-40-9	Bromacil	YES	YES	NO
319-84-6	Hexachlorocyclohexane (Lindane) Alpha (BHC)	YES	YES	NO
319-85-7	Hexachlorocyclohexane (Lindane) Beta (BHC)	YES	YES	NO
32534-81-9	Benzene,1,1'-oxybis penabromo	YES	NO	NO
330-54-1	Diuron	YES	YES	NO
3333-52-6	Tetramethyl succinonitrile	YES	YES	NO
333-41-5	Diazinon	YES	YES	NO
334-88-3	Diazomethane	YES	YES	YES
3383-96-8	Temephos	YES	YES	NO
34465-46-8	1,2,3,6,7,8-Hexachloro-dibenzo-o-dioxin (1:2 mixture)	YES	YES	NO
34562-31-7	Butyraldehyde - analine	YES	NO	NO
34590-94-8	Dipropylene glycol methyl ether	YES	YES	NO
353-42-4	BORON TRIFLUORO[OXYBIS[METHANE]], (T-40)-	YES	NO	NO
353-50-4	Carbonyl fluoride	YES	YES	NO
35400-43-2	Sulprofos	YES	YES	NO
354-33-6	Pentafluoroethane (HFC-125)	NO	NO	NO
3547-04-4	DDE (p,p'-Dichlorodiphenyldichloroethylene)	YES	YES	YES
359-35-3	1,1,2,2-Tetrafluoroethane (HFC-134)	NO	NO	NO
3658-48-8	Organophosphate ester	YES	NO	NO
3687-31-8	Lead arsenate, as Pb2(AsO4)2 [lead and arsenic compound]	NO	YES	YES
3689-24-5	Sulfotep	YES	YES	NO
3697-24-3	5-Methylchrysene	YES	YES	NO
37312-33-7	Epoxy resin(1)	YES	NO	NO
3761-53-3	Ponceau MX	YES	YES	NO
3779-63-3	Polyisocyanate	YES	NO	NO
37853-59-1	Benzene, 1,1'-(1,2-ethanediylbis(oxy))bis(2,4,6-tribromo	YES	NO	NO
3825-26-1	Ammonium perfluorooctanoate	NO	YES	NO
40039-93-8	Brominated glycidyl ether bisphenol a resin-1	YES	NO	NO
4016-14-2	Isopropyl glycidyl ether (IGE)	YES	YES	NO
4098-71-9	Isophorone diisocyanate	YES	YES	NO
41556-26-7	Bis-(1,2,2,6,6-pentamethyl-4-piperidinyl)secacate	YES	NO	NO
4170-30-3	Crotonaldehyde [POM]	YES	YES	YES
420-04-2	Cyanamide	YES	YES	NO
420-46-2	1,1,1-Trifluoroethane (HFC-143a)	NO	NO	NO
4246-51-9	Diethylene glycol bis 3-aminopropyl ether	YES	NO	NO
4253-34-3	Methyltriacetroxysilane	YES	NO	NO
43057-68-7	Aliphatic secondary naphalene amine(2)	YES	NO	NO
43103	Hexane, other isomers	YES	YES	NO
43109	Dibutylnitrosoamine	YES	NO	NO
43110	Dioxins and furans	YES	YES	NO
43111	Furium (nitrofuran group)	YES	YES	NO
43112	Isopropyl oils	YES	YES	NO
43114	Nitrofurans furazolidone	YES	YES	NO
43116	Polyaromatic hydrocarbons (PAH)	YES	YES	NO
43117	Trihalogenated methanes	YES	NO	NO
43207	Other Volatile Organic Compounds (VOC)	YES	NO	NO
43208	Other Hazardous Air Pollutant (HAP)	YES	YES	YES
43209	Other Toxic Air Contaminant (TAC)	YES	YES	NO
43218	Other non-VOC HAP	NO	YES	YES
43219	Other non-VOC, non-HAP TAC	NO	YES	NO
460-19-5	Cyanogen	YES	YES	NO
461-58-5	Dicyandiamide (cyano guanidine)	YES	NO	NO
463-51-4	Ketene	YES	YES	NO
463-58-1	Carbonyl sulfide	YES	YES	YES
4685-14-7	Paraquat	YES	YES	NO
4719-04-4	Hexahydro-1,3,5,-tris-(2-Hydro XYL-S-Triazin)	YES	NO	NO
479-45-8	Tetryl	YES	YES	NO
497-19-8	Sodium Carbonate	NO	NO	NO
50-00-0	Formaldehyde	YES	YES	YES
5026-74-4	4-(diglycidylamino) phenyl glycol	YES	NO	NO
50-29-3	DDT (1,1,1 Trichloro-2,2-Bis-(p-chlorophenyl)ethane)	YES	YES	NO
50-32-8	Benzo(a)pyrene [POM]	YES	YES	YES

CAS	Chemical_Name	VOC?	TAC?	HAP?
504-29-0	2-Aminopyridine	YES	YES	NO
504-66-5	Dicyandiamide	YES	NO	NO
506-77-4	Cyanogen chloride	YES	YES	NO
509-14-8	Tetranitromethane	YES	YES	NO
510-15-6	Chlorobenzilate	YES	YES	YES
51200-87-4	Dimethloxaolidine	YES	NO	NO
5124-30-1	Methylene bis(4-cyclo-hexylisocyanate; cyclohexane)	YES	YES	NO
51-28-5	2,4-Dinitrophenol	YES	YES	YES
51-79-6	Urethan (Ethyl carbamate)	YES	YES	YES
5216-25-1	P(p)(alpha, alpha, alpha) Tetra-chlorotoluene	YES	YES	NO
526-95-4	Gluconic acid	YES	NO	NO
528-29-0	Dinitrobenzene	YES	YES	NO
531-82-8	N-(4-(5-Nitro-2-furyl)-2-thiazolyl)acetamide	NO	YES	NO
532-27-4	a-Chloroacetophenone	YES	YES	YES
5329-14-6	Amidosulfonic acid	YES	NO	NO
534-52-1	Dinitro-o-cresol and compounds	YES	YES	YES
53-70-3	Dibenz(a,h)anthracene [POM]	YES	YES	YES
53-96-3	2-Acetylaminofluorene	YES	YES	YES
539-90-2	Isobutyl butyrate	YES	NO	NO
540-59-0	1,2-Dichloroethylene	YES	YES	NO
540-73-8	1,2-Dimethylhydrazine	YES	YES	NO
540-84-1	2,2,4-Trimethylpentane	YES	YES	YES
540-88-5	tert-Butyl acetate	YES	YES	NO
54-11-5	Nicotine	YES	YES	NO
541-85-5	Ethyl amyl ketone	YES	YES	NO
542-75-6	1,3-Dichloropropene	YES	YES	YES
542-88-1	Bis(chloromethyl)ether and tech chloromethyl methyl ether	YES	YES	YES
542-92-7	Cyclopentadiene	YES	YES	NO
54954-83-5	Isocyanate terminated polyester prepolmer	YES	NO	NO
55-18-5	N-Nitrosodiethylamine(diethylnitrosoamine)(DEN)	YES	YES	NO
552-30-7	Trimellitic anhydride	YES	YES	NO
55-38-9	Fenthion	YES	YES	NO
555-84-9	1-(5-Nitrofurfurylidene)amino)-2-imidazolidinone	YES	YES	NO
55-63-0	Nitroglycerin	YES	YES	NO
556-52-5	Glycidol	YES	YES	NO
556-64-9	METHYL THIOCYANATE (THIOCYANIC ACID, METHYL ESTER)	YES	NO	NO
5567-15-7	Arylide diarylide yellow disp. (lead free yellow)	NO	NO	NO
55720-99-5	Chlorinated diphenyl oxide (Hexachlorophenyl ether)	YES	YES	NO
55738-54-0	Trans-2((Dimethylamino)methylimino)-5-(2-(5-nitro-2-furyl)vinyl-1,3,4-ox	YES	YES	NO
558-13-4	Carbon tetrabromide	YES	YES	NO
56-23-5	Carbon tetrachloride	YES	YES	YES
563-12-2	Ethion	YES	YES	NO
563-80-4	Methyl isopropyl ketone	YES	YES	NO
56-38-2	Parathion	YES	YES	YES
56-55-3	Benzo(a)anthracene [POM]	YES	YES	YES
56-81-5	Glycerol	YES	NO	NO
57-12-5	Cyanide and compounds	YES	YES	YES
5714-22-7	Sulfur pentafluoride	NO	YES	NO
57-14-7	1,1-Dimethylhydrazine	YES	YES	YES
57-24-9	Strychnine	YES	YES	NO
57-57-8	b-Propiolactone	YES	YES	YES
57-74-9	Chlordane	YES	YES	YES
58339-34-7	Cadmium sulfoselenide	NO	NO	NO
583-60-8	o-Methylcyclohexanone	YES	YES	NO
584-08-7	Potassium carbonate	NO	NO	NO
584-84-9	Toluene-2,4-diisocyanate (TDI)	YES	YES	YES
5884-84-9	Polyester polyols	YES	NO	NO
58-89-9	Hexachlorocyclohexane (Lindane) Gamma(BHC)	YES	YES	YES
591-78-6	2-Hexanone (MBK) (Methyl n-butyl ketone)	YES	YES	NO
592-62-1	Methyl azoxymethyl acetate	YES	YES	NO
59355-75-8	Methyl acetylene-propadiene mixture (MAPP)	YES	YES	NO
593-60-2	Vinyl bromide	YES	YES	YES
594-42-3	Perchloromethyl mercaptan	YES	YES	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
594-72-9	1,1-Dichloro-1-nitroethane	YES	YES	NO
5968-11-6	Sodium Carbonate	NO	NO	NO
59-87-0	Nitrofurazone	YES	YES	NO
59-89-2	N-Nitrosomorpholine	YES	YES	YES
600-25-9	1-Chloro-1-nitropropane	YES	YES	NO
60-11-7	Dimethyl aminoazobenzene	YES	YES	YES
602-87-9	5-Nitroacenaphthene	YES	YES	NO
60-29-7	Ethyl ether	YES	YES	NO
603-34-9	Triphenyl amine	YES	YES	NO
60-34-4	Methyl hydrazine	YES	YES	YES
60-35-5	Acetamide	YES	YES	YES
60-57-1	Dieldrin	YES	YES	NO
60676-86-0	Silica, amorphous fused	NO	NO	NO
613-35-4	N,N-Diacetylbenzidine	YES	YES	NO
615-53-2	N-Nitroso-n-methylurethane	YES	YES	NO
61788-32-7	Terphenyls, hydrogenated	YES	NO	NO
61788-76-9	Chloro alkanes	YES	NO	NO
61789-83-3	Petroleum sulfonate	YES	NO	NO
61790-53-2	Nateral earth minerals	NO	NO	NO
61-82-5	Amitrole	YES	YES	NO
621-64-1	N-Nitrosodi-n-propylamine	YES	YES	NO
624-83-9	Methyl isocyanate	YES	YES	YES
62-53-3	Aniline and compounds	YES	YES	YES
626-17-5	m-Phtalodinitrile	YES	YES	NO
626-38-0	sec-Amyl acetate	YES	YES	NO
627-13-4	n-Propyl nitrate	YES	YES	NO
62-73-7	Dichlorvos	YES	YES	YES
62-74-8	Sodium fluoroacetate	YES	YES	NO
62-75-9	N-Nitrosodimethylamine	YES	YES	YES
627-93-0	Dimethyl adipate	YES	NO	NO
628-63-7	n-Amyl acetate	YES	YES	NO
628-96-6	Ethylene glycol dinitrate	YES	YES	NO
629-11-8	Hexandeiol, 1, 6	YES	NO	NO
63148-62-9	Dimethyl siloxane	YES	NO	NO
63231-60-7	Petroleum waxes	YES	NO	NO
63231-67-4	Silicon Dioxide	NO	NO	NO
63-25-2	Carbaryl	YES	YES	YES
633689-59-6	Diisocyanatomethyl-Benzene pmer w/diisocyanathohexane	YES	NO	NO
63449-39-8	Chlorinated paraffin	YES	NO	NO
634-93-5	2,4,6-Trichloroaniline hydrochloride	YES	NO	NO
636-21-5	o-Toluidine hydrochloride	YES	YES	NO
6364-17-6	Aliphatic secondary naphalene amine (1)	YES	NO	NO
638-21-1	Phenylphosphine	YES	YES	NO
63-92-3	Phenoxybenzamine hydrochloride	YES	YES	NO
64020-73-1	Epoxy resins	YES	NO	NO
64091-91-4	4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone	YES	YES	NO
64-17-5	Ethyl alcohol (Ethanol)	YES	YES	NO
64-18-6	Formic acid (methanoic acid)	YES	YES	NO
64-19-7	Acetic Acid	YES	YES	NO
6423-43-4	Propylene glycol dinitrate	YES	YES	NO
64475-85-0	Mineral spirits	YES	NO	NO
646-06-0	Glycol methylene ether	YES	NO	NO
64-67-5	Diethyl sulfate	YES	YES	YES
64741-44-2	Mineral seal oil	YES	NO	NO
64741-65-7	Naphtha (petroleum) heavy alkylated (isopar)	YES	NO	NO
64741-86-2	Distillate, sweetened middle	YES	NO	NO
64741-88-4	Paraffinic distillate, solvent refined	YES	NO	NO
64741-96-4	Hydrotreated light oil, aliphatic	YES	NO	NO
64742-01-4	Residual oils (petroleum) solvent refined	YES	NO	NO
64742-16-1	Hydrocarbon resin/petroleum resins	YES	NO	NO
64742-34-3	Naphthenic distillate chemically neutralized, hvy	YES	NO	NO
64742-46-7	Petroleum distillates	YES	NO	NO
64742-47-8	Petroleum distillate, hydrotreated light	YES	NO	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
64742-48-9	Aliphatic hydrocarbon solvent	YES	NO	NO
64742-52-5	Hydrotreated light petroleum distillate	YES	NO	NO
64742-53-6	Napthenic distillate	YES	NO	NO
64742-54-7	Distillates (petroleum) hydrofvld	YES	NO	NO
64742-55-8	Aliphatic hydrocarbon, sulfurized	YES	NO	NO
64742-57-0	Solvent refined, hydrotreated residual oil	YES	NO	NO
64742-62-7	Solvent-Dewaxed Residual Oil	YES	NO	NO
64742-65-0	Paraffinic petroleum distillates	YES	NO	NO
64742-80-9	Petroleum oil fraction, mineral seal oil	YES	NO	NO
64742-81-0	Hydrodesulfurized kerosene	YES	NO	NO
64742-88-7	Mineral spirits	YES	NO	NO
64742-89-8	Petroleum naphtha, paraffins & naphthenes	YES	NO	NO
64742-94-5	Heavy aromatic naphtha (petrol)	YES	NO	NO
64742-95-6	Volatile Petroleum Distillate	YES	NO	NO
64742-96-1	Isoparaffinic hydrocarbon	YES	NO	NO
64742-96-7	Hydrocarbon solvent	YES	NO	NO
65997-05-9	Polymerized resin	YES	NO	NO
65997-13-9	Resin ester	YES	NO	NO
65997-17-3	Fiberglass and ceramic	NO	NO	NO
65997-19-5	Iron powder	NO	NO	NO
66101-60-8	Polyurethane prepolymer	NO	NO	NO
66554-75-4	Phenolic resin	YES	NO	NO
67254-79-9	Aliphatic compounds	YES	NO	NO
6742-89-8	Aromatic hydrocarbons	YES	NO	NO
6742-95-6	Aromatic Petroleum 100	YES	NO	NO
67-45-8	Furazolidone	NO	NO	NO
67-56-1	Methyl alcohol (Methanol)	YES	YES	YES
67-63-0	Isopropyl alcohol (Isopropanol)	YES	YES	NO
67-64-1	Acetone	NO	YES	NO
67-66-3	Chloroform	YES	YES	YES
67-72-1	Hexachloroethane	YES	YES	YES
67988-99-2	Amine terminated butadiene acrylonitrile copolymer	YES	NO	NO
680-31-9	Hexamethylphosphoramide	YES	YES	YES
68037-39-8	Chlorosulfonated polyethylene	YES	NO	NO
68037-59-2	Dimethyl methylhydrogen polysiloxane	YES	NO	NO
68072-13-9	Alkyd resin (1)	YES	NO	NO
68082-29-1	Polyamide resin	YES	NO	NO
68-11-1	Thioglycolic acid	YES	YES	NO
68-12-2	Dimethylformamide	YES	YES	YES
68132-29-6	Gylcerides	YES	NO	NO
681-84-5	Methyl silicate	YES	YES	NO
68240-01-7	Hydrocarbon resin	YES	NO	NO
68259-26-7	Bisphenol A diglycidyl ether resin	YES	NO	NO
68310-52-1	Polypropylene polygycol	YES	NO	NO
68318-41-2	Ethanediamine,n-(2-aminoethyl)-,polymer w/(butoxymethyl)oxir	YES	NO	NO
68334-60-1	Amine hardener	YES	NO	NO
6834-92-0	Sodium Metasilicate	NO	NO	NO
6837-24-7	Cyclo-hexylpyrrolidone(n)	YES	NO	NO
68410-23-1	Fatty acids,C18-unsat,dimers,rxn prdts w/p'ethylene amines	YES	NO	NO
68410-99-1	Chlorinated alkene polymer	YES	NO	NO
684-16-2	Hexafluoroacetone	YES	YES	NO
68425-29-6	Gasoline, aviation	YES	NO	NO
68476-48-2	Chlorinated hydrocarbons	YES	NO	NO
68476-85-7	Liquified petroleum gas	YES	YES	NO
68476-86-8	Propane/isobutane(1)	YES	NO	NO
68477-31-6	Petroleum distillates	YES	NO	NO
68479-98-1	Diethyl toluene diamine	YES	NO	NO
684-93-5	N-Nitroso-N-methylurea (NMU)	YES	YES	YES
68515-48-0	Diisononyl phthalate	YES	NO	NO
68526-77-2	Amine, aryl	YES	NO	NO
68551-16-6	Aromatic hydrocarbons	YES	NO	NO
68603-33-8	Alkenes, c15-20 alpha-,polymers with cottonseed oil and s	YES	NO	NO
68608-26-4	Sodium Petroleum Sulfonate	YES	NO	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
68609-96-1	Alkyl glycidyl ethers	YES	NO	NO
68611-24-5	Magnesium resinate(1)	YES	NO	NO
68611-50-7	Polysulfide liquid polmer	YES	NO	NO
6864-37-5	Dimethyl-4,4 -Diaminodicyclo-Hexylmethnae,3, 3'-	YES	NO	NO
68650-36-2	Aromatics(c8+)	YES	NO	NO
68783-36-8	Fatty acids, C16-22, lithium salts	YES	NO	NO
68783-96-0	Calcium sulfonate	YES	NO	NO
68797-54-6	Polyester resin(1)	YES	NO	NO
68855-54-9	Diatomaceous earth	NO	NO	NO
68909-20-6	Trimethylated silica	YES	NO	NO
68953-58-2	Organophilic clay (1)	NO	NO	NO
68958-92-9	Molybdenum, bis(O,O-bis(2-ethylhexyl)phosphorodithioate-	NO	NO	NO
68988-56-7	Polytrimethylhydrosilylsilicate	YES	NO	NO
68988-89-6	Silica, Dimethylvinylated and Trimethylated	YES	NO	NO
68991-19-5	Sulfurized fatty oil	YES	NO	NO
69178-40-1	Polymethylene polyphenyl amine polyalkylphenyl amine	YES	NO	NO
6923-22-4	Monocrotophos	YES	YES	NO
696-28-6	Dichlorophenylarsine (arsenic group)	YES	YES	NO
70131-67-8	Polydimethylsiloxane	YES	NO	NO
70321-87-8	Oleic acid, tetraethylene pentamine polymer	YES	NO	NO
70592-78-8	Petroleum oil (severely hydrated)	YES	NO	NO
70776-86-2	Keto-amine (substituted)	YES	NO	NO
7085-85-0	Ethyl cyanoacrylate	YES	NO	NO
71173-64-3	Bis dimethyl aminoethyl hydroxyphenyl	YES	NO	NO
71-23-8	n-Propyl alcohol	YES	YES	NO
71-36-3	n-Butyl alcohol	YES	YES	NO
71-41-0	n-Amyl alcohol (1-Pentanol, Pentyl alcohol, n-Butyl carbinol)	YES	NO	NO
71-43-2	Benzene	YES	YES	YES
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	NO	YES	YES
72-20-8	Endrin	YES	YES	NO
72-43-5	Methoxychlor	YES	YES	YES
72623-83-7	Petroleum base oil	YES	NO	NO
73138-28-0	Dimethyl dioctadecyl ammonium bentonit	YES	NO	NO
7332-18-5	Alkanol amide	NO	NO	NO
7429-90-5	Aluminum (alkyls and soluble salts)	NO	YES	NO
7439-92-1	Lead and compounds	NO	YES	YES
7439-93-2	Lithium	NO	NO	NO
7439-96-5	Manganese and compounds	NO	YES	YES
7439-97-6	Mercury and compounds	NO	YES	YES
7439-98-7	Molybdenum and compounds	NO	YES	NO
7440-02-0	Nickel and compounds	NO	YES	YES
7440-02-2	Nickel	NO	NO	NO
7440-05-3	Palladium	NO	NO	NO
7440-06-4	Platinum (metals, soluble salts as Pt)	NO	YES	NO
7440-16-6	Rhodium and compounds	NO	YES	NO
7440-22-4	Silver, metals and soluble compounds	NO	YES	NO
7440-25-7	Tantalum, metals & oxide dusts	NO	YES	NO
7440-28-0	Thallium, soluble compounds, Tl	NO	YES	NO
7440-31-5	Tin and compounds	NO	YES	NO
7440-32-6	Titanium	NO	NO	NO
7440-33-7	Tungsten and compounds	NO	YES	NO
7440-36-0	Antimony and compounds	NO	YES	YES
7440-38-2	Arsenic and inorganic arsenic compounds	NO	YES	YES
7440-39-3	Barium, soluble compounds Ba	NO	YES	NO
7440-41-7	Beryllium and compounds	NO	YES	YES
7440-43-9	Cadmium and compounds	NO	YES	YES
7440-47-3	Chromium and compounds	NO	YES	YES
7440-48-4	Cobalt Compounds as Cobalt	NO	YES	YES
7440-50-8	Copper (dust, mist and fumes)	NO	YES	NO
7440-57-5	Gold	NO	NO	NO
7440-58-6	Hafnium	NO	YES	NO
7440-61-1	Uranium and compounds	NO	YES	NO
7440-65-5	Yttrium, metal and compounds as Y	NO	YES	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
7440-67-7	Zirconium compounds. as Zr	NO	YES	NO
7440-69-9	Bismuth	NO	NO	NO
7440-74-6	Indium, & compounds as In	NO	YES	NO
7446-11-9	Sulfur Trioxide	NO	NO	NO
7446-27-7	Lead phosphate [lead compound]	NO	YES	YES
7446-34-6	Selenium sulfide	NO	NO	NO
74-82-8	Methane	NO	NO	NO
74-83-9	Methyl bromide (Bromomethane)	YES	YES	YES
74-87-3	Methyl chloride (Chloromethane)	YES	YES	YES
74-88-4	Methyl iodide (Iodomethane)	YES	YES	YES
74-89-5	Methylamine	YES	YES	NO
74-90-8	Hydrogen cyanide [cyanide compound]	NO	YES	YES
74-93-1	Methyl mercaptan	YES	YES	NO
74-96-4	Ethyl bromide	YES	YES	NO
74-97-5	Chlorobromomethane	YES	YES	NO
74-98-6	Propane	YES	NO	NO
74-99-7	Methyl acetylene	YES	YES	NO
75-00-3	Ethyl chloride (Chloroethane)	YES	YES	YES
75-01-4	Vinyl chloride	YES	YES	YES
75-04-7	Ethylamine	YES	YES	NO
75-05-8	Acetonitrile	YES	YES	YES
7506-66-3	Hexahydrophthalimide	YES	NO	NO
75-07-0	Acetaldehyde	YES	YES	YES
75-08-1	Ethyl mercaptan	YES	YES	NO
75-09-2	Dichloromethane (Methylene chloride)	NO	YES	YES
75-12-7	Formamide	YES	YES	NO
75-15-0	Carbon disulfide	NO	YES	YES
75150-13-9	Oxirane,((2,4-dibromo-6-methyl-phenoxy)methyl)	YES	NO	NO
75-21-8	Ethylene oxide	YES	YES	YES
75-25-2	Bromoform	YES	YES	YES
75-28-5	2-Methyl propane (isobutane)	YES	NO	NO
75-31-0	Isopropylamine	YES	YES	NO
75-34-3	Ethylidene dichloride (1,1-Dichloroethane)	YES	YES	YES
75-35-4	Vinylidine chloride (1,1-Dichloroethylene)	YES	YES	YES
75-43-4	Dichlorofluoromethane	YES	YES	NO
75-44-5	Phosgene	NO	YES	YES
75-45-6	Chlorodifluoromethane (Freon 22 propellant)	NO	YES	NO
75-47-8	Iodoform	YES	YES	NO
75-50-3	Trimethylamine	YES	YES	NO
7550-45-0	Titanium tetrachloride	NO	YES	YES
75-52-5	Nitromethane	YES	YES	NO
7553-56-2	Iodine	NO	YES	NO
75-55-8	1,2-Propylene imine (2-Methyl aziridine)	YES	YES	YES
75-56-9	Propylene oxide	YES	YES	YES
75-61-6	Diflourodibromomethane	YES	YES	NO
75-63-8	Trifluorobromomethane	YES	YES	NO
75-65-0	tert-Butyl alcohol	YES	YES	NO
75-68-3	Chlorodifluoroethane (HCFC-142b)	NO	NO	NO
75-69-4	Trichlorofluoromethane (CFC-11)	NO	YES	NO
75-71-8	Dichlorodifluoromethane	NO	YES	NO
7572-29-4	Dichloroacetylene	YES	YES	NO
75-74-1	Tetramethyl lead, as Pb [lead compound]	YES	YES	YES
75-77-4	SILANE (TRIMETHYLCHLOROSILANE)	YES	NO	NO
75-78-5	SILANE (DICHLORODIMETHYLSILANE)	YES	NO	NO
75-79-6	SILANE (METHYLTRICHLOROSILANE)	YES	NO	NO
7580-67-8	Lithium hydride	NO	YES	NO
75-86-5	ACETONE CYANOHYDRIN (2-HYDROXY-2-METHYL-PROPANENITRILE)	YES	NO	NO
759-73-9	N-Nitroso-n-ethylurea (NEU)	YES	YES	NO
75-99-0	2,2-Dichloropropionic acid	YES	YES	NO
76-03-9	Trichloroacetic acid	YES	YES	NO
76-06-2	Chloropicrin	YES	YES	NO
76-11-9	1,1,1,2-Tetrachloro-2,2-difluoroethane	YES	YES	NO
76-12-0	1,1,2,2-Tetrachloro-1,2-difluoroethane	YES	YES	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	NO	YES	NO
76-14-2	Dichlorotetrafluoroethane (CFC-114)	NO	YES	NO
76-15-3	Chloropentafluoroethane	NO	YES	NO
7616-94-6	Perchloryl fluoride	YES	YES	NO
76-22-2	Camphor, synthetic	YES	YES	NO
7631-90-5	Sodium bisulfite	NO	YES	NO
763-69-9	3-Ethyl ethoxypropionate	YES	NO	NO
7637-07-2	Trifluoroborane	NO	YES	NO
764-41-0	1,4-Dichloro-2-butene	YES	YES	NO
76-44-8	Heptachlor	YES	YES	YES
7646-85-7	Zinc chloride fumes	NO	YES	NO
7647-01-0	Hydrochloric acid (Hydrogen chloride)	NO	YES	YES
765-34-4	Glyciadaldehyde	YES	YES	NO
7664-38-2	Phosphoric acid	NO	YES	NO
7664-39-3	Hydrogen fluoride (Hydrofluoric acid)	NO	YES	YES
7664-41-7	Ammonia (NH3)	NO	YES	NO
7664-93-9	Sulfuric acid	NO	YES	NO
7665-72-7	Butyl glycidyl ether mod. epoxy resin	YES	NO	NO
7681-57-4	Sodium metabisulfite	NO	YES	NO
768-52-5	N-Isopropylaniline	YES	YES	NO
7697-37-2	Nitric acid	NO	YES	NO
7704-34-9	Sulfur	NO	NO	NO
7719-09-7	Thionyl chloride	YES	YES	NO
7719-12-2	Phosphorus trichloride	NO	YES	NO
7722-84-1	Hydrogen peroxide	NO	YES	NO
7722-88-5	Tetrasodium pyrophosphate	NO	YES	NO
7723-14-0	Phosphorus	NO	YES	YES
7726-95-6	Bromine	NO	YES	NO
77-47-4	Hexachlorocyclopentadiene	YES	YES	YES
7757-83-7	Sodium Sulfite	NO	NO	NO
7758-29-4	Sodium Phosphate, Tribasic (H5010P3,5NA)	NO	NO	NO
77-58-7	Dibutyltin dilurate	YES	NO	NO
7758-97-6	Lead chromate, as Cr [lead and chromium compound]	NO	YES	YES
7772-99-8	Stannous Chloride	NO	NO	NO
7773-06-0	Ammonium sulfamate	NO	YES	NO
77-73-6	Dicyclopentadiene	YES	YES	NO
7775-11-3	Sodium Chromate	NO	NO	NO
7775-19-1	Sodium Metaborate Octahydrate	NO	NO	NO
77-78-1	Dimethyl sulfate	YES	YES	YES
7782-41-4	Fluorine	NO	YES	NO
7782-42-5	Graphite powder	NO	NO	NO
7782-49-2	Selenium and compounds	NO	YES	YES
7782-50-5	Chlorine	NO	YES	YES
7782-65-2	Germanium tetrahydride	NO	YES	NO
7783-06-4	Hydrogen sulfide	NO	YES	YES
7783-07-5	Hydrogen selenide, as Se	NO	YES	NO
7783-18-8	Ammonium thiosulfate	NO	NO	NO
7783-41-7	Oxygen difluoride	YES	YES	NO
7783-54-2	Nitrogen trifluoride	NO	YES	NO
7783-60-0	Sulfur tetrafluoride	NO	YES	NO
7783-70-2	ANTIMONY PENTAFLUORIDE	NO	NO	NO
7783-79-1	Selenium hexafluoride, as Se [selenium compound]	NO	YES	YES
7783-80-4	Tellurium hexafluoride, as Te	NO	YES	NO
7784-34-1	ARSENOUS TRICHLORIDE	NO	NO	NO
7784-42-1	Arsine	NO	YES	YES
7786-34-7	Mevinphos	YES	YES	NO
7786-81-4	Nickel sulfate	NO	NO	NO
7789-06-2	Strontium Chromate	NO	YES	YES
7789-12-0	Sodium Dichromate Dihydrate	NO	NO	NO
7789-30-2	Bromine pentafluoride	NO	YES	NO
7790-91-2	Chlorine trifluoride	NO	YES	NO
77-99-6	Ethyl-2-(Hydroxymethyl)-1, 3-Propanediol	YES	NO	NO
78-00-2	Tetraethyl lead, as Pb [lead compound]	YES	YES	YES

CAS	Chemical_Name	VOC?	TAC?	HAP?
7803-51-2	Phosphine	YES	YES	YES
7803-52-3	Stibine	YES	YES	NO
7803-62-5	Silicon tetrahydride (Silane)	NO	YES	NO
78-10-4	Ethyl silicate	YES	YES	NO
78-30-8	Triorthocresyl phosphate	YES	YES	NO
78-34-2	Dioxathion	YES	YES	NO
78-42-2	Ethyl-1-hexanol phosphate, 2-	YES	NO	NO
78-59-1	Isophorone	YES	YES	YES
78-82-0	ISOBUTYRONITRILE (2-METHYL-PROPANENITRILE)	YES	NO	NO
78-83-1	Isobutyl alcohol	YES	YES	NO
78-87-5	Propylene dichloride (1,2-Dichloropropane)	YES	YES	YES
78-92-2	sec-Butyl alcohol	YES	YES	NO
78-93-3	2-Butanone (MEK; Methyl ethyl ketone)	YES	YES	NO
78-97-7	LACTONITRILE (2-HYDROXY-PROPANENITRILE, CYANOHYDRIN-ACETALDEHYDE)	YES	NO	NO
79-00-5	1,1,2,-Trichloroethane	YES	YES	YES
79-01-6	Trichloroethylene	YES	YES	YES
79-04-9	Chloroacetyl chloride	YES	YES	NO
79-06-1	Acrylamide	YES	YES	YES
79-09-4	Proprionic acid	YES	YES	NO
79-10-7	Acrylic acid	YES	YES	YES
79-11-8	Chloroacetic acid	YES	YES	YES
79-14-1	Glycolic acid	YES	NO	NO
79-20-9	Methyl acetate	NO	YES	NO
79-21-0	PEROXYACETIC ACID (ETHANEPEROXOIC ACID)	YES	NO	NO
79-22-1	METHYL CHLOROCARBOMATE (METHYL ESTER CARBONCHORIDIC ACID)	YES	NO	NO
79-24-3	Nitroethane	YES	YES	NO
79-27-6	Acetylene tetrabromide	YES	YES	NO
79-34-5	1,1,2,2-Tetrachloroethane	YES	YES	YES
79-41-4	Methacrylic acid	YES	YES	NO
79-44-7	Dimethyl carbamoyl chloride	YES	YES	YES
79-46-9	2-Nitropropane	YES	YES	YES
794-93-4	Panfuran S (dihydroxymethyl-furatrizine)	YES	YES	NO
79-94-7	Tetrabromobisphenol A	YES	NO	NO
8001-35-2	Toxaphene (Chlorinated camphene)	YES	YES	YES
8001-58-9	Creosote	YES	YES	NO
8001-79-4	Castor oil	YES	NO	NO
8002-05-9	Petroleum distillate (hydrocarbon oil)	YES	NO	NO
8002-26-4	Tall-Oil Rosin	NO	NO	NO
8002-74-2	Parafin wax fumes	YES	YES	NO
8003-34-7	Pyrethrum	YES	YES	NO
8004-87-3	Methyl violet 2B	YES	NO	NO
8005-02-5	Solvent black	YES	NO	NO
80-05-7	4,4'-Isopropylidendiphenol	YES	NO	NO
8006-61-9	Gasoline	YES	NO	NO
8006-64-2	Turpentine	YES	YES	NO
8008-20-6	Kerosene	YES	NO	NO
8009-03-8	Petrolatum	YES	NO	NO
8012-95-1	Paraffin oil (Oil mist, mineral)	YES	YES	NO
8013-07-8	Epoxy soy oil	YES	NO	NO
80-15-9	Cumene hydroperoxide	YES	NO	NO
8016-28-2	Lard oil	YES	NO	NO
8020-83-5	Refined mineral oils	YES	NO	NO
8022-00-2	Methyl demeton	YES	YES	NO
8030-30-6	Naphtha (Rubber solvents)	YES	YES	NO
80317-78-3	Blend stock	YES	NO	NO
8032-32-4	VM & P Naphtha	YES	YES	NO
8042-47-5	White Mineral Oil	YES	NO	NO
8050-09-7	Rosin	YES	NO	NO
80-51-3	Benzene sulfonyl hydrazide, p,p-oxybis	YES	NO	NO
8052-10-6	Tall-Oil Rosin	YES	NO	NO
8052-41-3	Stoddard solvent	YES	NO	NO
8052-42-4	Asphalt (petroleum) fumes	YES	YES	NO
80-62-6	Methyl methacrylate	YES	YES	YES

CAS	Chemical_Name	VOC?	TAC?	HAP?
8065-48-3	Demeton	YES	YES	NO
81101	Iron salts, soluble as Fe	NO	YES	NO
81106	Cotton dust, raw	NO	YES	NO
81107	Soots, tars, and mineral oils	YES	NO	NO
81108	Welding fumes	NO	YES	NO
81111	Fibrous glass dust	NO	YES	NO
81113	Primary aluminum smelter uncontrolled roof vent PAH emissions	NO	YES	NO
814-68-6	ACRYLIC ACID CHLORIDE (2-PROPENOYL CHLORIDE)	YES	NO	NO
818-08-6	Dibutyltin oxide	YES	NO	NO
81-81-2	Warfarin	YES	YES	NO
822-06-0	Hexamethylene diisocyanate	YES	YES	YES
82-68-8	Pentachloronitrobenzene (quintobenzene)	YES	YES	YES
83-26-1	Pindone	YES	YES	NO
83-79-4	Rotenone	YES	YES	NO
838-88-0	4,4'-Methylenebis(2-Methylaniline)	YES	YES	NO
84-66-2	Diethyl phthalate	YES	YES	NO
84-74-2	Dibutyl phthalate	YES	YES	YES
85-00-7	Diquat	YES	YES	NO
85-42-7	Hexahydrophthalic Anhydride	YES	NO	NO
85-44-9	Phthalic anhydride	YES	YES	YES
85-68-7	Butyl Benzyl Phthalate	YES	NO	NO
85959-88-2	Polyester resin(2)	YES	NO	NO
86-30-6	N-Nitrosodiphenylamine	YES	YES	NO
86-50-0	Azinphos-methyl	YES	YES	NO
86-88-4	ANTU	YES	YES	NO
870-72-4	Sodium Formaldehyde Bisulfite	YES	NO	NO
872-50-4	Amide, Cyclic	YES	NO	NO
87-68-3	Hexachlorobutadiene	YES	YES	YES
87-86-5	Pentachlorophenol	YES	YES	YES
88-06-2	2,4,6-Trichlorophenol	YES	YES	YES
88-72-2	Nitrotoluene	YES	YES	NO
88-89-1	Picric acid	YES	YES	NO
88917-22-0	Propylene glycol methyl ether acetate	YES	NO	NO
89415-87-2	Ethyl-5-methylhydantoin,1,2-DI-CI-4	YES	NO	NO
89-72-5	o-sec-Butylphenol	YES	YES	NO
9002-84-0	Polytetrafluoroethylene	YES	NO	NO
9002-88-4	Ethene, homopolymer	YES	NO	NO
9002-93-1	Octylphenoxypolyethanolnonionics urfact	YES	NO	NO
9003-07-0	Polypropylene	YES	NO	NO
9003-17-2	Butadiene Polymer	YES	NO	NO
9003-18-3	Acrylonitrile/Butadiene copolymer	YES	NO	NO
9003-22-9	Vinyl chloride/acetate polymer	YES	NO	NO
9003-35-4	Phenol-formaldehyde resin	YES	NO	NO
9003-53-6	Styrene polymer	YES	NO	NO
9003-55-8	Poly (butadiene-styrene)	YES	NO	NO
90-04-0	o-Anisidine	YES	YES	YES
9004-35-7	Acetate	YES	NO	NO
9004-36-8	Cellulose acetate butyrate	YES	NO	NO
9004-57-3	Ethyl cellulose	YES	NO	NO
9004-70-0	Wet Nitrocellolose	YES	NO	NO
9010-69-9	Zinc Resinate	YES	NO	NO
9010-88-2	Polymethylmethacrylate monopolymer	YES	NO	NO
9010-98-4	Polychloroprene	YES	NO	NO
9016-45-9	Nonylphenoxy-poly(Ethyleneoxy) Ethanol	YES	NO	NO
9016-87-9	Polymeric MD1 type	YES	NO	NO
9036-19-5	Octylphenoxy Polyethoxyethanol	YES	NO	NO
9039-25-2	Phenol/formaldehyde resin	YES	NO	NO
9069-50-5	Poly(oxy-1,4-butanediyl)-alpha-hydroxy-om egs-hydro	YES	NO	NO
90-72-2	Tri (Dimethylaminomethyl) Phenol	YES	NO	NO
91-08-7	TOLUENE-2,6-DIISOCYANATE (1,3-DIISOCYNATO-2-METHYL-BENZENE)	YES	NO	NO
91-20-3	Naphthalene	YES	YES	YES
91-22-5	Quinoline	YES	YES	YES
919-30-2	Amino propyl triethoxysilane	YES	NO	NO

CAS	Chemical_Name	VOC?	TAC?	HAP?
91-94-1	3,3-Dichlorobenzidine	YES	YES	YES
924-16-3	N-Nitrosodi-n-butylamine	YES	YES	NO
92-52-4	Biphenyl	YES	YES	YES
92-67-1	4-Aminobiphenyl	YES	YES	YES
92-84-2	Phenothiazine	YES	YES	NO
92-87-5	Benzidine and compounds	YES	YES	YES
92-93-3	4-Nitrobiphenyl	YES	YES	YES
930-55-2	N-Nitrosopyrrolidine	YES	NO	NO
931-36-2	Ethyl 2-methyl imidazole-4-	YES	NO	NO
93-76-5	2,4,5-T	YES	YES	NO
94-36-0	Benzoyl peroxide	YES	YES	NO
944-22-9	Fonofos	YES	YES	NO
94-75-7	2,4-D, salts and esters (2,4 Dichlorophenoxy acetic acid)	YES	YES	YES
95-13-6	Indene	YES	YES	NO
95-47-6	o-Xylenes	YES	YES	YES
95-48-7	o-Cresol	YES	YES	YES
95-49-8	o-Chlorotoluene	YES	YES	NO
95-50-1	o-Dichlorobenzene	YES	YES	NO
95-53-4	o-Toluidine	YES	YES	YES
95-63-6	1,2,4-Trimethyl benzene	YES	NO	NO
95-80-7	2,4-Toluene diamine (2,4-Diamino toluene)	YES	YES	YES
95-95-4	2,4,5-Trichlorophenol	YES	YES	YES
96-09-3	Styrene oxide	YES	YES	YES
96-12-8	1,2-Dibromo-3-chloropropane	YES	YES	YES
96-18-4	1,2,3-Trichloropropane	YES	YES	NO
96-22-0	Diethyl ketone	YES	YES	NO
96-33-3	Methyl acrylate	YES	YES	NO
96-45-7	Ethylene thiourea	YES	YES	YES
96-48-0	Gamma-Butyrolactone	YES	NO	NO
96591-17-2	Acrylic polymer	YES	NO	NO
96-69-5	4,4-Thiobis(6-tert, butyl-m-cresol)	YES	YES	NO
97-56-3	o-Aminoazotoluene	YES	YES	NO
97-77-8	Disulfiram	YES	YES	NO
97-85-8	Isobutyl Isobutyrate	YES	NO	NO
98-00-0	Furfuryl alcohol	YES	YES	NO
98-01-1	Furfural	YES	YES	NO
98-07-7	Benzotrichloride	YES	YES	YES
98-16-8	BENZENAMINE, 3-(TRIFLUOROMETHYL)-M-(TRIFLUOROMETHYL)ANILINE	YES	NO	NO
98-51-1	p-tert-Butyltoluene	YES	YES	NO
98-55-5	Terpineol	YES	NO	NO
98-82-8	Cumene (Isopropylbenzene)	YES	YES	YES
98-83-9	a-Methyl styrene	YES	YES	NO
98-86-2	Acetophenone	YES	YES	YES
98-87-3	BENZAL CHLORIDE (BENZENE, DICHLOROMETHYL)	YES	NO	NO
98-95-3	Nitrobenzene	YES	YES	YES
99546-37-9	Polyester resin	YES	NO	NO
999-61-1	2-Hydroxypropyl acrylate	YES	YES	NO
999-97-3	Hexamethyldisilazane	YES	NO	NO
CE	Coke oven Emissions (CE)	YES	YES	YES
CLD&F	chlorinated dioxin and furans 2,3,7,8 congeners	NO	NO	NO
CO	Carbon Monoxide	NO	NO	NO
FMF	Fine Mineral Fibers (FMF)	NO	YES	YES
GLYET	Glycol ethers	YES	YES	YES
NO2	Nitrogen Oxides	NO	NO	NO
PBC	Lead compounds (PBC)	NO	YES	YES
PM10	Particulate Matter	NO	NO	NO
PM2.5	Particulate Matter	NO	NO	NO
POM	Polycyclic Organic Matter (POM)	YES	YES	YES
RD	Radionuclides, including RaDon (RD)	NO	YES	YES
SO2	Sulfur Oxides	NO	NO	NO
THAP	Total HAP Pollutant	NO	NO	YES
TNMOC	Total non-methane organic compounds	NO	NO	NO
VOC	Volatile Organic Compounds (VOC)	YES	NO	NO

EPAControlDeviceCode	Description
000	UNCONTROLLED
001	WET SCRUBBER - HIGH EFFICIENCY
002	WET SCRUBBER - MEDIUM EFFICIENCY
003	WET SCRUBBER - LOW EFFICIENCY
004	GRAVITY COLLECTOR - HIGH EFFICIENCY
005	GRAVITY COLLECTOR - MEDIUM EFFICIENCY
006	GRAVITY COLLECTOR - LOW EFFICIENCY
007	CENTRIFUGAL COLLECTOR (CYCLONE) - HIGH EFFICIENCY
008	CENTRIFUGAL COLLECTOR (CYCLONE) - MEDIUM EFFICIENCY
009	CENTRIFUGAL COLLECTOR (CYCLONE) - LOW EFFICIENCY
010	ELECTROSTATIC PRECIPITATOR - HIGH EFFICIENCY
011	ELECTROSTATIC PRECIPITATOR - MEDIUM EFFICIENCY
012	ELECTROSTATIC PRECIPITATOR - LOW EFFICIENCY
013	GAS SCRUBBER (GENERAL, NOT CLASSIFIED)
014	MIST ELIMINATOR - HIGH VELOCITY, I.E. V>250 FT/MIN
015	MIST ELIMINATOR - LOW VELOCITY, I.E. V<250 FT/MIN
016	FABRIC FILTER - HIGH TEMPERATURE, I.E. T>250F
017	FABRIC FILTER - MEDIUM TEMPERATURE, I.E. 180F<T<250F
018	FABRIC FILTER - LOW TEMPERATURE, I.E. T<180F
019	CATALYTIC AFTERBURNER
020	CATALYTIC AFTERBURNER WITH HEAT EXCHANGER
021	DIRECT FLAME AFTERBURNER
022	DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER
023	FLARING
024	MODIFIED FURNACE OR BURNER DESIGN
025	STAGED COMBUSTION
026	FLUE GAS RECIRCULATION
027	REDUCED COMBUSTION - AIR PREHEATING
028	STEAM OR WATER INJECTION
029	LOW EXCESS AIR FIRING
030	USE OF FUEL WITH LOW NITROGEN CONTENT
031	AIR INJECTION
032	AMMONIA INJECTION
033	CONTROL OF % O2 IN COMBUSTION AIR (OFF STOICHIOMETRIC FIRING)
034	WELLMAN-LORD/SODIUM SULFITE SCRUBBING
035	MAGNESIUM OXIDE SCRUBBING
036	DUAL ALKALI SCRUBBING
037	CITRATE PROCESS SCRUBBING
038	AMMONIA SCRUBBING
039	CATALYTIC OXIDATION - FLUE GAS DESULFURIZATION
040	ALKALIZED ALUMINA
041	DRY LIMESTONE INJECTION
042	WET LIMESTONE INJECTION
043	SULFURIC ACID PLANT - CONTACT PROCESS
044	SULFURIC ACID PLANT - DOUBLE CONTACT PROCESS
045	SULFUR PLANT
046	PROCESS CHANGE
047	VAPOR RECOVERY SYS (INCL. CONDENSERS, HOODING, OTHER
048	ACTIVATED CARBON ADSORPTION
049	LIQUID FILTRATION SYSTEM
050	PACKED-GAS ABSORPTION COLUMN
051	TRAY-TYPE GAS ABSORPTION COLUMN
052	SPRAY TOWER
053	VENTURI SCRUBBER
054	PROCESS ENCLOSED

EPAControlDeviceCode	Description
055	IMPINGEMENT PLATE SCRUBBER
056	DYNAMIC SEPARATOR (DRY)
057	DYNAMIC SEPARATOR (WET)
058	MAT OR PANEL FILTER
059	METAL FABRIC FILTER SCREEN (COTTON GINS)
060	PROCESS GAS RECOVERY
061	DUST SUPPRESSION BY WATER SPRAYS
062	DUST SUPPRESSION BY CHEMICAL STABILIZERS OR WETTING AGENTS
063	GRAVEL BED FILTER
064	ANNULAR RING FILTER
065	CATALYTIC REDUCTION
066	MOLECULAR SIEVE
067	WET LIME SLURRY SCRUBBING
068	ALKALINE FLY ASH SCRUBBING
069	SODIUM CARBONATE SCRUBBING
070	SODIUM-ALKALI SCRUBBING
071	FLUID BED DRY SCRUBBER
072	TUBE AND SHELL CONDENSER
073	REFRIGERATED CONDENSER
074	BAROMETRIC CONDENSER
075	SINGLE CYCLONE
076	MULTIPLE CYCLONE W/O FLY ASH REINJECTION
077	MULTIPLE CYCLONE W/ FLY ASH REINJECTION
078	BAFFLE
079	DRY ELECTROSTATIC GRANULAR FILTER (DEGF)
080	CHEMICAL OXIDATION
081	CHEMICAL REDUCTION
082	OZONATION
083	CHEMICAL NEUTRALIZATION
084	ACTIVATED CLAY ADSORPTION
085	WET CYCLONIC SEPARATOR
086	WATER CURTAIN
087	NITROGEN BLANKET
088	CONSERVATION VENT
089	BOTTOM FILLING
090	CONVERSION TO VARIABLE VAPOR SPACE TANK
091	CONVERSION TO FLOATING ROOF TANK
092	CONVERSION TO PRESSURIZED TANK
093	SUBMERGED FILLING
094	UNDERGROUND TANK
095	WHITE PAINT
096	VAPOR LOCK BALANCE RECOVERY SYSTEM
097	INSTALLATION OF SECONDARY SEAL FOR EXTERNAL FLOATING ROOF
098	MOVING BED DRY SCRUBBER
099	MISCELLANEOUS CONTROL DEVICES
100	BAGHOUSE
101	HIGH-EFFICIENCY PARTICULATE AIR FILTER (HEPA)
102	LOW SOLVENT COATINGS
103	POWDER COATINGS
104	WATERBORNE COATINGS
105	PROCESS MODIFICATION - ELECTROSTATIC SPRAYING
106	DUST SUPPRESSION BY PHYSICAL STABILIZATION
107	SELECTIVE NONCATALYTIC REDUCTION FOR NOX
108	DUST SUPPRESSION - TRAFFIC CONTROL
109	CATALYTIC OXIDIZER

EPAControlDeviceCode	Description
110	VAPOR RECOVERY UNIT
112	AFTERBURNER
113	ROTOCLONE
115	IMPINGEMENT TYPE WET SCRUBBER
116	CATALYTIC INCINERATOR
117	PACKED SCRUBBER
118	CROSSFLOW PACKED BED
119	DRY SCRUBBER
120	FLOATING BED SCRUBBER
121	MULTIPLE CYCLONES
122	QUENCH TOWER
123	SPRAY SCRUBBER
124	HIGH PRESSURE SCRUBBER
125	LOW PRESSURE SCRUBBER
127	FABRIC FILTER
128	ELECTROSTATIC PRECIPITATOR
129	SCRUBBER
130	CAUSTIC SCRUBBER
131	THERMAL OXIDIZER
132	CONDENSER
133	INCINERATOR
134	DEMISTER
137	HVAF
138	BOILER AT LANDFILL
139	SCR (SELECTIVE CATALYTIC REDUCTION)
140	NSCR (NON-SELECTIVE CATALYTIC REDUCTION)
141	WET SCRUBBER
143	WET SUPPRESSION
144	SPRAY SCREEN
145	SINGLE WET CAP
146	WET ELECTROSTATIC PRECIPITATOR
147	INCREASED AIR/FUEL RATIO WITH INTERCOOLING
148	CLEAN BURN
149	PRE-COMBUSTION CHAMBER
150	MECHANICAL COLLECTOR
151	FIBER MIST ELIMINATOR
152	MIST ELIMINATOR - HIGH EFFICIENCY
153	WATER SPRAYS
154	SCREENED DRUMS OR CAGES
155	PACKED BED SCRUBBER - HIGH EFFICIENCY
157	SCREEN
158	IONIZING WET SCRUBBER
159	ELECTRIFIED FILTER BED
201	KNOCK OUT BOX
202	SPRAY DRYER
203	CATALYTIC CONVERTER
204	OVERFIRE AIR
205	LOW NOX BURNERS
206	DRY SORBENT INJECTION
207	CARBON INJECTION
208	FREEBOARD REFRIGERATION DEVICE

ID

Reg	SourceName	SourceAddress	SourceCity
13460	Jorgensen Forge Corp	8531 E Marginal Wy S	Seattle

ID

SourceZip	SourceCounty	MailAddress	MailCity	MailState
98108	KING	8531 E Marginal Wy S	Seattle	WA

ID

MailZip	Contact1	Contact1Title	Contact1AreaCode	Contact1Phone
98108	Rick Clemans	CEO / President	206	676-9249

ID

Contact1Email	Contact2	Contact2Title	Contact2AreaCode
	Ron Altier	VP Admin & Environ Officer	206

ID

Contact2Phone	Contact2Email	NAICSCode	SIC_Code	Latitude
762-1100	raltier@jorgensenforge.com	332111	3462	47.525119

ID

Longitude	X_UTM	Y_UTM	OperationHoursPerDay	OperationDaysPerWeek
-122.301804	552.56	5263.54	10	2

ID

OperationWeeksPerYear	OperationStartTime	Throughput%ForDecFeb
46	10:00 PM	23

ID

Throughput%ForMarMay	Throughput%ForJunAug	Throughput%ForSepNov
22	31	24

Methods - Reference Only

MethodCode	Description
1	Emission Test
2	Material Balance
3	EPA Emission Factor
4	Engineering Judgment

Points

Reg	Point	Description	StackHeightInFeet	StackDiameterInFeet	ExitGasTemperatureInF	ExitGasFlowRateInCFM
13460	1	Steel Casting with Baghouse				
13460	2	Natural Gas Combustion	30	6	105	542000
13460	3	Natural Gas Combustion				
13460	4	Metal Heat Treating / Distillate Oil Combustion				

SCC_Code	SCC1Description	SCC3Description
1-01-002-17	External Combustion Boilers	Electric Generation
1-01-005-01	External Combustion Boilers	Electric Generation
1-01-005-04	External Combustion Boilers	Electric Generation
1-01-006-01	External Combustion Boilers	Electric Generation
1-01-009-03	External Combustion Boilers	Electric Generation
1-01-012-02	External Combustion Boilers	Electric Generation
1-02-002-04	External Combustion Boilers	Industrial
1-02-002-05	External Combustion Boilers	Industrial
1-02-002-17	External Combustion Boilers	Industrial
1-02-004-01	External Combustion Boilers	Industrial
1-02-004-04	External Combustion Boilers	Industrial
1-02-005-01	External Combustion Boilers	Industrial
1-02-005-04	External Combustion Boilers	Industrial
1-02-006-01	External Combustion Boilers	Industrial
1-02-006-02	External Combustion Boilers	Industrial
1-02-006-03	External Combustion Boilers	Industrial
1-02-009-02	External Combustion Boilers	Industrial
1-02-009-03	External Combustion Boilers	Industrial
1-02-009-05	External Combustion Boilers	Industrial
1-02-009-06	External Combustion Boilers	Industrial
1-02-010-02	External Combustion Boilers	Industrial
1-03-004-01	External Combustion Boilers	Commercial/Institutional
1-03-005-01	External Combustion Boilers	Commercial/Institutional
1-03-006-01	External Combustion Boilers	Commercial/Institutional
1-03-006-02	External Combustion Boilers	Commercial/Institutional
1-03-006-03	External Combustion Boilers	Commercial/Institutional
1-03-007-01	External Combustion Boilers	Commercial/Institutional
1-03-007-99	External Combustion Boilers	Commercial/Institutional
1-03-013-01	External Combustion Boilers	Commercial/Institutional
1-05-001-06	External Combustion Boilers	Space Heaters
2-01-001-02	Internal Combustion Engines	Electric Generation
2-01-007-02	Internal Combustion Engines	Electric Generation
2-01-008-02	Internal Combustion Engines	Electric Generation
2-01-900-99	Internal Combustion Engines	Electric Generation
2-02-001-01	Internal Combustion Engines	Industrial
2-02-001-02	Internal Combustion Engines	Industrial
2-02-002-02	Internal Combustion Engines	Industrial
2-02-003-01	Internal Combustion Engines	Industrial
2-02-004-01	Internal Combustion Engines	Industrial
2-02-010-01	Internal Combustion Engines	Industrial
2-03-001-01	Internal Combustion Engines	Commercial/Institutional
2-03-001-02	Internal Combustion Engines	Commercial/Institutional
2-03-002-01	Internal Combustion Engines	Commercial/Institutional
2-03-002-02	Internal Combustion Engines	Commercial/Institutional
2-03-008-01	Internal Combustion Engines	Commercial/Institutional
2-04-001-12	Internal Combustion Engines	Engine Testing
3-01-008-01	Industrial Processes	Chemical Manufacturing
3-01-008-99	Industrial Processes	Chemical Manufacturing
3-01-011-99	Industrial Processes	Chemical Manufacturing
3-01-014-01	Industrial Processes	Chemical Manufacturing
3-01-018-82	Industrial Processes	Chemical Manufacturing
3-01-070-01	Industrial Processes	Chemical Manufacturing
3-01-120-01	Industrial Processes	Chemical Manufacturing

SCC_Code	SCC1Description	SCC3Description
3-01-820-01	Industrial Processes	Chemical Manufacturing
3-01-830-01	Industrial Processes	Chemical Manufacturing
3-01-999-99	Industrial Processes	Chemical Manufacturing
3-02-007-33	Industrial Processes	Food and Agriculture
3-02-007-34	Industrial Processes	Food and Agriculture
3-02-009-01	Industrial Processes	Food and Agriculture
3-02-009-22	Industrial Processes	Food and Agriculture
3-02-009-35	Industrial Processes	Food and Agriculture
3-02-009-52	Industrial Processes	Food and Agriculture
3-02-031-05	Industrial Processes	Food and Agriculture
3-02-031-06	Industrial Processes	Food and Agriculture
3-02-032-01	Industrial Processes	Food and Agriculture
3-02-032-02	Industrial Processes	Food and Agriculture
3-02-888-01	Industrial Processes	Food and Agriculture
3-02-999-98	Industrial Processes	Food and Agriculture
3-03-000-03	Industrial Processes	Primary Metal Production
3-03-001-04	Industrial Processes	Primary Metal Production
3-03-001-09	Industrial Processes	Primary Metal Production
3-03-001-10	Industrial Processes	Primary Metal Production
3-03-001-99	Industrial Processes	Primary Metal Production
3-03-009-04	Industrial Processes	Primary Metal Production
3-03-009-10	Industrial Processes	Primary Metal Production
3-04-001-14	Industrial Processes	Secondary Metal Production
3-04-004-99	Industrial Processes	Secondary Metal Production
3-04-007-01	Industrial Processes	Secondary Metal Production
3-04-007-05	Industrial Processes	Secondary Metal Production
3-04-007-08	Industrial Processes	Secondary Metal Production
3-04-007-09	Industrial Processes	Secondary Metal Production
3-04-007-11	Industrial Processes	Secondary Metal Production
3-04-007-25	Industrial Processes	Secondary Metal Production
3-04-022-11	Industrial Processes	Secondary Metal Production
3-04-050-01	Industrial Processes	Secondary Metal Production
3-04-900-03	Industrial Processes	Secondary Metal Production
3-05-002-05	Industrial Processes	Mineral Products
3-05-002-08	Industrial Processes	Mineral Products
3-05-003-11	Industrial Processes	Mineral Products
3-05-006-06	Industrial Processes	Mineral Products
3-05-006-12	Industrial Processes	Mineral Products
3-05-006-14	Industrial Processes	Mineral Products
3-05-006-17	Industrial Processes	Mineral Products
3-05-007-06	Industrial Processes	Mineral Products
3-05-007-14	Industrial Processes	Mineral Products
3-05-007-17	Industrial Processes	Mineral Products
3-05-011-99	Industrial Processes	Mineral Products
3-05-014-02	Industrial Processes	Mineral Products
3-05-014-03	Industrial Processes	Mineral Products
3-05-014-04	Industrial Processes	Mineral Products
3-05-014-06	Industrial Processes	Mineral Products
3-05-015-19	Industrial Processes	Mineral Products
3-05-015-20	Industrial Processes	Mineral Products
3-05-016-02	Industrial Processes	Mineral Products
3-05-016-04	Industrial Processes	Mineral Products
3-05-016-07	Industrial Processes	Mineral Products

SCC_Code	SCC1Description	SCC3Description
3-05-016-09	Industrial Processes	Mineral Products
3-05-016-10	Industrial Processes	Mineral Products
3-05-016-13	Industrial Processes	Mineral Products
3-05-016-14	Industrial Processes	Mineral Products
3-05-016-15	Industrial Processes	Mineral Products
3-05-016-16	Industrial Processes	Mineral Products
3-05-017-01	Industrial Processes	Mineral Products
3-05-017-03	Industrial Processes	Mineral Products
3-05-017-04	Industrial Processes	Mineral Products
3-05-017-05	Industrial Processes	Mineral Products
3-05-020-01	Industrial Processes	Mineral Products
3-05-020-06	Industrial Processes	Mineral Products
3-05-999-99	Industrial Processes	Mineral Products
3-06-001-03	Industrial Processes	Petroleum Industry
3-06-001-05	Industrial Processes	Petroleum Industry
3-06-005-03	Industrial Processes	Petroleum Industry
3-06-005-04	Industrial Processes	Petroleum Industry
3-06-008-01	Industrial Processes	Petroleum Industry
3-06-008-02	Industrial Processes	Petroleum Industry
3-06-008-03	Industrial Processes	Petroleum Industry
3-06-008-04	Industrial Processes	Petroleum Industry
3-07-001-04	Industrial Processes	Pulp and Paper and Wood
3-07-001-05	Industrial Processes	Pulp and Paper and Wood
3-07-001-06	Industrial Processes	Pulp and Paper and Wood
3-07-001-10	Industrial Processes	Pulp and Paper and Wood
3-07-001-99	Industrial Processes	Pulp and Paper and Wood
3-07-002-22	Industrial Processes	Pulp and Paper and Wood
3-07-005-01	Industrial Processes	Pulp and Paper and Wood
3-07-007-01	Industrial Processes	Pulp and Paper and Wood
3-07-007-02	Industrial Processes	Pulp and Paper and Wood
3-07-007-11	Industrial Processes	Pulp and Paper and Wood
3-07-007-27	Industrial Processes	Pulp and Paper and Wood
3-07-007-80	Industrial Processes	Pulp and Paper and Wood
3-07-008-01	Industrial Processes	Pulp and Paper and Wood
3-07-008-02	Industrial Processes	Pulp and Paper and Wood
3-07-008-07	Industrial Processes	Pulp and Paper and Wood
3-07-008-08	Industrial Processes	Pulp and Paper and Wood
3-07-008-98	Industrial Processes	Pulp and Paper and Wood
3-07-030-01	Industrial Processes	Pulp and Paper and Wood
3-07-030-02	Industrial Processes	Pulp and Paper and Wood
3-07-030-96	Industrial Processes	Pulp and Paper and Wood
3-07-030-98	Industrial Processes	Pulp and Paper and Wood
3-07-999-98	Industrial Processes	Pulp and Paper and Wood
3-08-007-02	Industrial Processes	Rubber and Miscellaneous
3-08-007-03	Industrial Processes	Rubber and Miscellaneous
3-08-007-04	Industrial Processes	Rubber and Miscellaneous
3-08-007-20	Industrial Processes	Rubber and Miscellaneous
3-08-007-22	Industrial Processes	Rubber and Miscellaneous
3-08-007-23	Industrial Processes	Rubber and Miscellaneous
3-08-007-24	Industrial Processes	Rubber and Miscellaneous
3-08-007-30	Industrial Processes	Rubber and Miscellaneous
3-08-007-99	Industrial Processes	Rubber and Miscellaneous
3-08-008-01	Industrial Processes	Rubber and Miscellaneous

SCC_Code	SCC1Description	SCC3Description
3-08-008-02	Industrial Processes	Rubber and Miscellaneous
3-08-009-01	Industrial Processes	Rubber and Miscellaneous
3-08-999-99	Industrial Processes	Rubber and Miscellaneous
3-09-001-98	Industrial Processes	Fabricated Metal Products
3-09-001-99	Industrial Processes	Fabricated Metal Products
3-09-002-01	Industrial Processes	Fabricated Metal Products
3-09-002-07	Industrial Processes	Fabricated Metal Products
3-09-005-00	Industrial Processes	Fabricated Metal Products
3-09-010-01	Industrial Processes	Fabricated Metal Products
3-09-010-04	Industrial Processes	Fabricated Metal Products
3-09-010-05	Industrial Processes	Fabricated Metal Products
3-09-010-06	Industrial Processes	Fabricated Metal Products
3-09-011-01	Industrial Processes	Fabricated Metal Products
3-09-011-02	Industrial Processes	Fabricated Metal Products
3-09-011-03	Industrial Processes	Fabricated Metal Products
3-09-011-04	Industrial Processes	Fabricated Metal Products
3-09-011-99	Industrial Processes	Fabricated Metal Products
3-09-015-01	Industrial Processes	Fabricated Metal Products
3-09-040-01	Industrial Processes	Fabricated Metal Products
3-09-042-00	Industrial Processes	Fabricated Metal Products
3-09-043-00	Industrial Processes	Fabricated Metal Products
3-09-051-00	Industrial Processes	Fabricated Metal Products
3-09-051-08	Industrial Processes	Fabricated Metal Products
3-09-051-20	Industrial Processes	Fabricated Metal Products
3-09-051-32	Industrial Processes	Fabricated Metal Products
3-09-051-56	Industrial Processes	Fabricated Metal Products
3-09-052-54	Industrial Processes	Fabricated Metal Products
3-09-052-80	Industrial Processes	Fabricated Metal Products
3-09-053-12	Industrial Processes	Fabricated Metal Products
3-09-053-55	Industrial Processes	Fabricated Metal Products
3-09-054-00	Industrial Processes	Fabricated Metal Products
3-09-888-01	Industrial Processes	Fabricated Metal Products
3-09-888-02	Industrial Processes	Fabricated Metal Products
3-09-888-06	Industrial Processes	Fabricated Metal Products
3-09-999-99	Industrial Processes	Fabricated Metal Products
3-12-999-99	Industrial Processes	Machinery, Miscellaneous
3-13-065-00	Industrial Processes	Electrical Equipment
3-13-999-99	Industrial Processes	Electrical Equipment
3-15-020-01	Industrial Processes	Photographic Equipment/Health
3-15-050-01	Industrial Processes	Photographic Equipment/Health
3-90-005-02	Industrial Processes	In-process Fuel Use
3-90-006-02	Industrial Processes	In-process Fuel Use
3-90-006-99	Industrial Processes	In-process Fuel Use
3-99-999-94	Industrial Processes	Miscellaneous Manufacturing
3-99-999-95	Industrial Processes	Miscellaneous Manufacturing
4-01-001-03	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-001-98	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-02	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-03	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-04	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-05	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-07	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-22	Petroleum and Solvent Evaporation	Organic Solvent Evaporation

SCC_Code	SCC1Description	SCC3Description
4-01-002-52	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-54	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-55	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-57	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-58	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-95	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-96	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-97	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-01	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-02	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-03	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-05	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-06	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-07	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-08	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-09	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-10	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-98	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-99	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-888-01	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-888-98	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-02-001-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-001-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-002-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-003-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-004-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-004-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-005-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-005-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-006-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-006-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-007-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-007-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-007-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-008-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-04	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-09	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-12	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-18	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-19	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-20	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-21	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-22	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-24	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-30	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-98	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-010-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-013-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-014-31	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-016-02	Petroleum and Solvent Evaporation	Surface Coating Operations

SCC_Code	SCC1Description	SCC3Description
4-02-016-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-016-19	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-016-20	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-05	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-21	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-22	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-24	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-26	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-27	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-28	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-99	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-019-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-07	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-32	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-99	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-022-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-022-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-023-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-023-05	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-023-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-03	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-99	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-025-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-025-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-025-03	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-025-99	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-026-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-026-05	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-026-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-888-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-999-95	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-999-96	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-999-98	Petroleum and Solvent Evaporation	Surface Coating Operations
4-03-010-08	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-010-19	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-010-21	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-010-97	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-010-99	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-011-02	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-011-11	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-011-18	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-011-53	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-888-01	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-04-001-02	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-001-07	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-001-11	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-001-16	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-

SCC_Code	SCC1Description	SCC3Description
4-04-001-53	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-001-99	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-002-02	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-002-06	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-002-51	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-004-01	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-004-02	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-004-06	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-05-002-01	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-002-02	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-003-01	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-003-11	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-003-12	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-003-14	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-01	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-11	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-13	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-15	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-16	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-31	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-005-14	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-005-97	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-005-98	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-888-01	Petroleum and Solvent Evaporation	Printing/Publishing
4-06-001-44	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-001-49	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-001-60	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-001-61	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-34	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-35	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-40	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-44	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-45	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-46	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-49	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-50	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-51	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-003-02	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-003-06	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-003-07	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-004-01	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-004-99	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-888-01	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-07-999-97	Petroleum and Solvent Evaporation	Organic Chemical Storage
4-90-005-99	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-90-999-98	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-90-999-99	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
5-01-001-02	Waste Disposal	Solid Waste Disposal -
5-01-007-01	Waste Disposal	Solid Waste Disposal -
5-01-007-02	Waste Disposal	Solid Waste Disposal -
5-01-007-89	Waste Disposal	Solid Waste Disposal -
5-02-001-03	Waste Disposal	Solid Waste Disposal -
5-02-005-05	Waste Disposal	Solid Waste Disposal -

SCC_Code	SCC1Description	SCC3Description
5-02-005-07	Waste Disposal	Solid Waste Disposal -
5-02-006-01	Waste Disposal	Solid Waste Disposal -
5-03-001-01	Waste Disposal	Solid Waste Disposal - Industrial
5-03-006-01	Waste Disposal	Solid Waste Disposal - Industrial

SCC6Description	SCC8Description	Measure	Material	Action
Bituminous/Subbituminous Coal	Atmospheric Fluidized Bed Combustion: Bubbling	Tons	Bituminous Coal	Burned
Distillate Oil	Grades 1 and 2 Oil	1000 Gallons	Distillate Oil (No. 1 & 2)	Burned
Distillate Oil	Grade 4 Oil: Normal Firing	1000 Gallons	Distillate Oil (No. 4)	Burned
Natural Gas	Boilers > 100 Million Btu/hr except Tangential	Million Cubic Feet	Natural Gas	Burned
Wood/Bark Waste	Wood-fired Boiler - Wet Wood (>=20% moisture)	Tons	Wood	Burned
Solid Waste	Refuse Derived Fuel	Tons	Refuse Derived Fuel	Burned
Bituminous/Subbituminous Coal	Spreader Stoker	Tons	Bituminous Coal	Burned
Bituminous/Subbituminous Coal	Overfeed Stoker	Tons	Bituminous Coal	Burned
Bituminous/Subbituminous Coal	Atmospheric Fluidized Bed Combustion: Bubbling	Tons	Bituminous Coal	Burned
Residual Oil	Grade 6 Oil	1000 Gallons	Residual Oil (No. 6)	Burned
Residual Oil	Grade 5 Oil	1000 Gallons	Residual Oil (No. 5)	Burned
Distillate Oil	Grades 1 and 2 Oil	1000 Gallons	Distillate Oil (No. 1 & 2)	Burned
Distillate Oil	Grade 4 Oil	1000 Gallons	Distillate Oil (No. 4)	Burned
Natural Gas	> 100 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Natural Gas	10-100 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Natural Gas	< 10 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Wood/Bark Waste	Wood/Bark-fired Boiler	Tons	Wood/Bark	Burned
Wood/Bark Waste	Wood-fired Boiler - Wet Wood (>=20% moisture)	Tons	Wood	Burned
Wood/Bark Waste	Wood/Bark-fired Boiler (< 50,000 Lb Steam) **	Tons	Wood/Bark	Burned
Wood/Bark Waste	Wood-fired Boiler (< 50,000 Lb Steam) **	Tons	Wood	Burned
Liquified Petroleum Gas (LPG)	Propane	1000 Gallons	Propane	Burned
Residual Oil	Grade 6 Oil	1000 Gallons	Residual Oil (No. 6)	Burned
Distillate Oil	Grades 1 and 2 Oil	1000 Gallons	Distillate Oil (No. 1 & 2)	Burned
Natural Gas	> 100 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Natural Gas	10-100 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Natural Gas	< 10 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Process Gas	POTW Digester Gas-fired Boiler	Million Cubic Feet	Process Gas	Burned
Process Gas	Other Not Classified	Million Cubic Feet	Process Gas	Burned
Liquid Waste	Specify Waste Material in Comments	1000 Gallons	Liquid Waste	Burned
Industrial	Natural Gas	Million Cubic Feet	Natural Gas	Burned
Distillate Oil (Diesel)	Reciprocating	1000 Gallons	Distillate Oil (Diesel)	Burned
Process Gas	Reciprocating	Million Cubic Feet	Process Gas	Burned
Landfill Gas	Reciprocating	Million Cubic Feet	Landfill Gas	Burned
Flares	Heavy Water	1000 Gallons	Heavy Water	Burned
Distillate Oil (Diesel)	Turbine	1000 Gallons	Distillate Oil (Diesel)	Burned
Distillate Oil (Diesel)	Reciprocating	1000 Gallons	Distillate Oil (Diesel)	Burned
Natural Gas	Reciprocating	Million Cubic Feet	Natural Gas	Burned
Gasoline	Reciprocating	1000 Gallons	Gasoline	Burned
Large Bore Engine	Diesel	1000 Gallons	Diesel	Burned
Liquified Petroleum Gas (LPG)	Propane: Reciprocating	1000 Gallons	Liquified Petroleum Gas (LPG)	Burned
Distillate Oil (Diesel)	Reciprocating	1000 Gallons	Distillate Oil (Diesel)	Burned
Distillate Oil (Diesel)	Turbine	1000 Gallons	Distillate Oil (Diesel)	Burned
Natural Gas	Reciprocating	Million Cubic Feet	Natural Gas	Burned
Natural Gas	Turbine	Million Cubic Feet	Natural Gas	Burned
Landfill Gas	Turbine	Million Cubic Feet	Landfill Gas	Burned
Aircraft Engine Testing	JP-4 Fuel	1000 Gallons	Jet Naphtha	Burned
Chloro-alkali Production	Liquefaction (Diaphragm Cell Process)	100 Tons	Chlorine	Liquified
Chloro-alkali Production	Other Not Classified	100 Tons	Chlorine	Liquified
Hydrochloric Acid	Other Not Classified	Tons	Final Acid	Produced
Paint Manufacture	General Mixing and Handling	Tons	Paint	Produced
Plastics Production	Blowing Agent: Methylene Chloride (Polyurethane)	Tons	Agent	Used
Inorganic Chemical Manufacturing (General)	Fugitive Leaks	Tons	Product	Produced
Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde	Formaldehyde: Silver Catalyst	Tons	Material	Produced

SCC6Description	SCC8Description	Measure	Material	Action
Wastewater Treatment	Wastewater Stripper	Tons	Product	Produced
General Processes	Storage/Transfer	Tons	Product	Produced
Other Not Classified	Specify in Comments Field	Tons	Product	Produced
Grain Millings	Wheat: Cleaning House	Tons	Grain	Received
Grain Millings	Wheat: Millhouse	Tons	Grain	Received
Beer Production	Grain Handling (see also 3-02-005-xx)	Tons	Grain	Processed
Beer Production	Cerial Cooker	1000 Barrels	Beer	Packaged
Beer Production	Fermenter Venting: Closed Fermenter	1000 Barrels	Beer	Packaged
Beer Production	Sterilized Can Filling Line	1000 Barrels	Beer	Canned
Export Grain Elevators	Unloading	Tons	Grain	Processed
Export Grain Elevators	Loading	Tons	Grain	Processed
Bakeries	Bread Baking: Sponge-Dough Process	Tons	Bread	Baked
Bakeries	Bread Baking: Straight-Dough Process	Tons	Bread	Baked
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Other Not Specified	Other Not Classified	Tons	Material	Input
Aluminum Ore (Bauxite)	Fine Ore Storage	Tons	Material	Handled
Aluminum Ore (Electro-reduction)	Materials Handling	Tons	Molten Aluminum	Produced
Aluminum Ore (Electro-reduction)	H.S.S.: Fugitive Emissions	Tons	Molten Aluminum	Produced
Aluminum Ore (Electro-reduction)	V.S.S.: Fugitive Emissions	Tons	Molten Aluminum	Produced
Aluminum Ore (Electro-reduction)	Not Classified **	Tons	Molten Aluminum	Produced
Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel	Electric Arc Furnace: Alloy Steel (Stack)	Tons	Material	Produced
Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel	Pickling	Tons	Material	Produced
Aluminum	Pouring/Casting	Tons	Metal	Charged
Lead	Other Not Classified	Tons	Material	Processed
Steel Foundries	Electric Arc Furnace	Tons	Metal	Processed
Steel Foundries	Electric Induction Furnace	Tons	Metal	Processed
Steel Foundries	Pouring/Casting	Tons	Metal	Processed
Steel Foundries	Casting Shakeout	Tons	Metal	Processed
Steel Foundries	Cleaning	Tons	Metal	Processed
Steel Foundries	Casting Cleaning/Tumblers	Tons	Castings	Cleaned
Metal Heat Treating	Quenching	Gallons	Material	Used
Miscellaneous Casting Fabricating	Other Not Classified	Tons	Material	Produced
Fuel Fired Equipment	Natural Gas: Process Heaters	Million Cubic Feet	Natural Gas	Burned
Asphalt Concrete	Drum Dryer: Drum Mix Plant (see 3-05-002-55 thru -	Tons	Hot Mix Asphalt	Produced
Asphalt Concrete	Asphalt Heater: Distillate Oil	1000 Gallons	Distillate Oil	Burned
Brick Manufacture	Curing and Firing: Gas-fired Tunnel Kilns	Tons	Brick	Produced
Cement Manufacturing (Dry Process)	Kilns	Tons	Cement	Produced
Cement Manufacturing (Dry Process)	Raw Material Transfer	Tons	Material	Handled
Cement Manufacturing (Dry Process)	Clinker Cooler	Tons	Cement	Produced
Cement Manufacturing (Dry Process)	Clinker Grinding	Tons	Cement	Produced
Cement Manufacturing (Wet Process)	Kilns	Tons	Cement	Produced
Cement Manufacturing (Wet Process)	Clinker Cooler	Tons	Cement	Produced
Cement Manufacturing (Wet Process)	Clinker Grinding	Tons	Cement	Produced
Concrete Batching	Other Not Classified	Tons	Material	Produced
Glass Manufacture	Container Glass: Melting Furnace	Tons	Glass	Produced
Glass Manufacture	Flat Glass: Melting Furnace	Tons	Glass	Produced
Glass Manufacture	Pressed and Blown Glass: Melting Furnace	Tons	Glass	Produced
Glass Manufacture	Container Glass: Forming/Finishing	Tons	Glass	Produced
Gypsum Manufacture	Forming Line	Tons	Product	Produced
Gypsum Manufacture	Drying Kiln	Tons	Product	Produced
Lime Manufacture	Secondary Crushing/Screening	Tons	Limestone	Processed
Lime Manufacture	Calcining: Rotary Kiln ** (See SCC Codes 3-05-016-	Tons	Lime	Produced
Lime Manufacture	Raw Material Transfer and Conveying	Tons	Limestone	Processed

SCC6Description	SCC8Description	Measure	Material	Action
Lime Manufacture	Hydrator: Atmospheric	Tons	Hydrated Lime	Produced
Lime Manufacture	Raw Material Storage Piles	Tons	Limestone	Processed
Lime Manufacture	Lime Silos	Tons	Lime	Produced
Lime Manufacture	Packing/Shipping	Tons	Lime	Produced
Lime Manufacture	Product Transfer and Conveying	Tons	Lime	Produced
Lime Manufacture	Primary Screening	Tons	Limestone	Processed
Mineral Wool	Cupola	Tons	Material	Charged
Mineral Wool	Blow Chamber	Tons	Material	Charged
Mineral Wool	Curing Oven	Tons	Material	Charged
Mineral Wool	Cooler	Tons	Material	Charged
Stone Quarrying - Processing (See also 305320)	Primary Crushing	Tons	Raw Material	Processed
Stone Quarrying - Processing (See also 305320)	Miscellaneous Operations: Screen/Convey/Handling	Tons	Raw Material	Processed
Other Not Defined	Specify in Comments Field	Tons	Product	Produced
Process Heaters	Oil-fired	1000 Gallons	Oil	Burned
Process Heaters	Natural Gas-fired	Million Cubic Feet	Natural Gas	Burned
Wastewater Treatment	Process Drains and Wastewater Separators	1000 Gallons	Wastewater	Processed
Wastewater Treatment	Process Drains and Wastewater Separators	1000 Barrels	Refinery Feed	Processed
Fugitive Emissions	Pipeline Valves and Flanges	1000 Barrels	Refinery Feed	Processed
Fugitive Emissions	Vessel Relief Valves	1000 Barrels	Refinery Feed	Processed
Fugitive Emissions	Pump Seals w/o Controls	1000 Barrels	Refinery Feed	Processed
Fugitive Emissions	Compressor Seals	1000 Barrels	Refinery Feed	Processed
Sulfate (Kraft) Pulping	Recovery Furnace/Direct Contact Evaporator	Tons	Air-Dried Unbleached Pulp	Produced
Sulfate (Kraft) Pulping	Smelt Dissolving Tank	Tons	Air-Dried Unbleached Pulp	Produced
Sulfate (Kraft) Pulping	Lime Kiln	Tons	Air-Dried Unbleached Pulp	Produced
Sulfate (Kraft) Pulping	Recovery Furnace/Indirect Contact Evaporator	Tons	Air-Dried Unbleached Pulp	Produced
Sulfate (Kraft) Pulping	Other Not Classified	Tons	Air-Dried Unbleached Pulp	Produced
Sulfite Pulping	Recovery System: NH3	Tons	Air-Dried Unbleached Pulp	Produced
Wood Pressure Treating	Creosote	Tons	Wood	Treated
Plywood Operations	General: Not Classified **	10,000 Square Feet	3/8-inch Plywood	Produced
Plywood Operations	Sanding Operations	Tons	Material	Processed
Plywood Operations	Fir: Sapwood: Steam-fired Dryer	10,000 Square Feet	3/8-inch Plywood	Produced
Plywood Operations	Veneer Laying and Glue Spreading	Tons	Material	Processed
Plywood Operations	Plywood Press: Phenol-formaldehyde Resin	1000 Square Feet	3/8-inch Plywood	Produced
Sawmill Operations	Log Debarking	Tons	Logs	Processed
Sawmill Operations	Log Sawing	Tons	Logs	Processed
Sawmill Operations	Sanderdust: Cyclone Exhaust	Hour	Equipment	Operated
Sawmill Operations	Other Cyclones: Exhaust	Hour	Equipment	Operated
Sawmill Operations	Other Not Classified	1000 Board Feet	Material	Processed
Miscellaneous Wood Working Operations	Wood Waste Storage Bin Vent	Tons	Wood Waste	Processed
Miscellaneous Wood Working Operations	Wood Waste Storage Bin Loadout	Tons	Wood Waste	Processed
Miscellaneous Wood Working Operations	Sanding/Planning Operations: Specify	1000 Square Feet	Material	Processed
Miscellaneous Wood Working Operations	Sanding/Planning Operations: Specify	1000 Board Feet	Material	Processed
Other Not Classified	Other Not Classified	1000 Board Feet	Material	Produced
Fiberglass Resin Products	Mould Release	Tons	Product	Produced
Fiberglass Resin Products	Solvent Consumption	Tons	Solvent	Used
Fiberglass Resin Products	Adhesive Consumption	Tons	Adhesive	Applied
Fiberglass Resin Products	General	Tons	Product	Produced
Fiberglass Resin Products	Gel Coat: Spray On	Tons	Coating	Applied
Fiberglass Resin Products	Resin: General: Roll On	Tons	Coating	Applied
Fiberglass Resin Products	Resin: General: Spray On ** (use 3-08-007-30)	Tons	Coating	Applied
Fiberglass Resin Products	Resin Spray Layup (non-vapor-suppressed)	1000 Pounds	Starting Monomer	Applied
Fiberglass Resin Products	Other Not Classified	Tons	Product	Produced
Plastic Foam Products	Expansion Process via Steam	Tons	Product	Produced

SCC6Description	SCC8Description	Measure	Material	Action
Plastic Foam Products	Molding	Tons	Product	Produced
Plastic Miscellaneous Products	Polystyrene: General	Tons	Resin	Consumed
Other Not Specified	Other Not Classified	Tons	Material	Processed
General Processes	Other Not Classified	Gallons	Material	Processed
General Processes	Other Not Classified	Tons	Material	Processed
Abrasive Blasting of Metal Parts	General	Tons	Abrasive	Consumed
Abrasive Blasting of Metal Parts	Shotblast with Air	Tons	Shot	Consumed
Welding	General	Pounds	Welding Rod	Used
Electroplating Operations	Entire Process: General	Square Feet	Product	Plated
Electroplating Operations	Entire Process: Copper	Square Feet-Years	Surface Area	Existing
Electroplating Operations	Entire Process: Zinc	Ampere-Hours	Current	Applied
Electroplating Operations	Entire Process: Chrome	Ampere-Hours	Current	Applied
Conversion Coating of Metal Products	Alkaline Cleaning Bath	Tons	Material	Processed
Conversion Coating of Metal Products	Acid Cleaning Bath (Pickling)	Tons	Material	Processed
Conversion Coating of Metal Products	Anodizing Kettle	Tons	Material	Processed
Conversion Coating of Metal Products	Rinsing/Finishing	Tons	Material	Processed
Conversion Coating of Metal Products	Other Not Classified	Gallons	Material	Processed
Chemical Milling of Metal Products	Milling Tank	Tons	Material	Processed
Metal Deposition Processes	Metallizing: Wire Atomization and Spraying	Tons	Sprayed Metal	Consumed
Brazing	General	1000 Pounds	Electrode	Consumed
Soldering	General	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	General	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	E11018 Electrode	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	E316 Electrode	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	E6011 Electrode	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	E8018 Electrode	1000 Pounds	Electrode	Consumed
Gas Metal Arc Welding (GMAW)	E70S Electrode	1000 Pounds	Electrode	Consumed
Gas Metal Arc Welding (GMAW)	ERNiCu Electrode	1000 Pounds	Electrode	Consumed
Flux Cored Arc Welding (FCAW)	E308LT Electrode	1000 Pounds	Electrode	Consumed
Flux Cored Arc Welding (FCAW)	E71T Electrode	1000 Pounds	Electrode	Consumed
Submerged Arc Welding (SAW)	General	1000 Pounds	Electrode	Consumed
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Fugitive Emissions	Other Not Classified	Each	Unit	Processed
Other Not Classified	Other Not Classified	Tons	Material	Processed
Miscellaneous Machinery	Other Not Classified	Tons	Material	Processed
Semiconductor Manufacturing	Integrated Circuit Manufacturing: General	1000 Each	Wafers	Produced
Other Not Classified	Other Not Classified	Tons	Material	Processed
Health Care - Hospitals	Sterilization with Ethylene Oxide	Tons	Ethylene Oxide	Consumed
Air-conditioning/Refrigeration - Freons	Cooling Fluid: Miscellaneous: Freons	Tons	Coolant	Consumed
Distillate Oil	Cement Kiln/Dryer	1000 Gallons	Distillate Oil	Burned
Natural Gas	Cement Kiln/Dryer	Million Cubic Feet	Natural Gas	Burned
Natural Gas	General	Million Cubic Feet	Natural Gas	Burned
Miscellaneous Industrial Processes	Other Not Classified	Pounds	Material	Processed
Miscellaneous Industrial Processes	Other Not Classified	Gallons	Material	Processed
Dry Cleaning	Perchloroethylene	Tons	Solvent	Consumed
Dry Cleaning	Other Not Classified	Tons	Solvent	Consumed
Degreasing	1,1,1-Trichloroethane (Methyl Chloroform): Open-top	Tons	Make-Up Solvent	Used
Degreasing	Perchloroethylene: Open-top Vapor Degreasing	Tons	Make-Up Solvent	Used
Degreasing	Methylene Chloride: Open-top Vapor Degreasing	Tons	Make-Up Solvent	Used
Degreasing	Trichloroethylene: Open-top Vapor Degreasing	Tons	Make-Up Solvent	Used
Degreasing	Trichlorotrifluoroethane (Freon): Open-top Vapor	Tons	Make-Up Solvent	Used
Degreasing	1,1,1-Trichloroethane (Methyl	Tons	Make-Up Solvent	Used

SCC6Description	SCC8Description	Measure	Material	Action
Degreasing	1,1,1-Trichloroethane (Methyl Chloroform): General	Gallons	Solvent	Consumed
Degreasing	Methylene Chloride: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Trichloroethylene: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Trichlorotrifluoroethane (Freon): General Degreasing	Gallons	Solvent	Consumed
Degreasing	Trichlorofluoromethane: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Other Not Classified: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Other Not Classified: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Other Not Classified: Open-top Vapor Degreasing	Gallons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Methanol	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Methylene Chloride	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Stoddard (Petroleum Solvent)	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	1,1,1-Trichloroethane (Methyl Chloroform)	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Trichloroethylene	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Isopropyl Alcohol	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Methyl Ethyl Ketone	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Freon	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Acetone	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Other Not Classified	Gallons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Other Not Classified	Tons	Solvent	Consumed
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Fugitive Emissions	Specify in Comments Field	Gallons	Material	Processed
Surface Coating Application - General	Paint: Solvent-base	Tons	Coating Mix	Applied
Surface Coating Application - General	Paint: Solvent-base	Gallons	Coating	Processed
Surface Coating Application - General	Paint: Water-base	Tons	Coating Mix	Applied
Surface Coating Application - General	Varnish/Shellac	Tons	Coating Mix	Applied
Surface Coating Application - General	Lacquer	Tons	Coating Mix	Applied
Surface Coating Application - General	Lacquer	Gallons	Coating	Processed
Surface Coating Application - General	Enamel	Tons	Coating Mix	Applied
Surface Coating Application - General	Enamel	Gallons	Coating	Processed
Surface Coating Application - General	Primer	Tons	Coating Mix	Applied
Surface Coating Application - General	Primer	Gallons	Coating	Processed
Surface Coating Application - General	Adhesive Application	Tons	Coating Mix	Applied
Surface Coating Application - General	Adhesive: Solvent Mixing	Tons	Solvent	Mixed
Surface Coating Application - General	Adhesive: General	Gallons	Coating	Processed
Coating Oven - General	General	Gallons	Coating	Processed
Thinning Solvents - General	General: Specify in Comments	Tons	Solvent	Used
Thinning Solvents - General	Acetone	Tons	Solvent	Used
Thinning Solvents - General	Butyl Alcohol	Tons	Solvent	Used
Thinning Solvents - General	Ethyl Acetate	Tons	Solvent	Used
Thinning Solvents - General	Ethyl Alcohol	Tons	Solvent	Used
Thinning Solvents - General	Isopropyl Alcohol	Tons	Solvent	Used
Thinning Solvents - General	Methyl Ethyl Ketone	Tons	Solvent	Used
Thinning Solvents - General	Methyl Isobutyl Ketone	Tons	Solvent	Used
Thinning Solvents - General	Mineral Spirits	Tons	Solvent	Used
Thinning Solvents - General	Naphtha	Tons	Solvent	Used
Thinning Solvents - General	Toluene	Tons	Solvent	Used
Thinning Solvents - General	Xylene	Tons	Solvent	Used
Thinning Solvents - General	Methylene Chloride	Tons	Solvent	Used
Thinning Solvents - General	General: Specify in Comments	Gallons	Solvent	Used
Coating Oven Heater	Natural Gas	Million Cubic Feet	Natural Gas	Burned
Paper Coating	Coating Operation	Tons	Solvent in Coating	Used
Large Appliances	Coating Line: General	Each	Appliance	Produced
Automobiles and Light Trucks	Cleaning/Pretreatment	Tons	Solvent in Coating	Used

SCC6Description	SCC8Description	Measure	Material	Action
Automobiles and Light Trucks	Topcoat Operation	Tons	Solvent in Coating	Used
Automobiles and Light Trucks	Prime Surfacing Operation	Tons	Solvent in Coating	Used
Automobiles and Light Trucks	Repair Topcoat Application Area	Tons	Solvent in Coating	Used
Metal Can Coating	Cleaning/Pretreatment	Tons	Solvent in Coating	Used
Metal Can Coating	Equipment Cleanup	Tons	Solvent in Coating	Used
Metal Can Coating	Two Piece Exterior Base Coating	Tons	Solvent in Coating	Used
Metal Can Coating	Interior Spray Coating	Tons	Solvent in Coating	Used
Metal Can Coating	Sheet Base Coating (Exterior)	Tons	Solvent in Coating	Used
Metal Can Coating	End Sealing Compound (Also See 4-02-017-36 & -37)	Tons	Solvent in Coating	Used
Metal Can Coating	Lithography	Tons	Solvent in Coating	Used
Metal Can Coating	Over Varnish	Tons	Solvent in Coating	Used
Metal Can Coating	Other Not Classified	Tons	Solvent in Coating	Used
Wood Furniture Surface Coating	Coating Operation	Tons	Solvent in Coating	Used
Flatwood Products	Base Coat	Tons	Solvent in Coating	Used
Flatwood Products	Topcoat	Tons	Solvent in Coating	Used
Flatwood Products	Filler	Tons	Solvent in Coating	Used
Flatwood Products	Solvent-borne Coating	1000 Square Feet	Product Surface Area	Coated
Flatwood Products	Other Not Classified	Tons	Solvent in Coating	Used
Plastic Parts	Coating Operation	Tons	Solvent in Coating	Used
Plastic Parts	Cleaning/Pretreatment	Tons	Solvent in Coating	Used
Large Ships	Prime Coating Operation	Tons	Solvent in Coating	Used
Large Ships	Equipment Cleanup	Tons	Solvent in Coating	Used
Large Ships	Topcoat Operation	Tons	Solvent in Coating	Used
Large Aircraft	Prime Coating Operation	Tons	Solvent in Coating	Used
Large Aircraft	Cleaning/Pretreatment	Tons	Solvent in Coating	Used
Large Aircraft	Coating Mixing	Tons	Solvent in Coating	Used
Large Aircraft	Topcoat Operation	Tons	Solvent in Coating	Used
Large Aircraft	Other Not Classified	Tons	Solvent in Coating	Used
Miscellaneous Metal Parts	Coating Operation	Tons	Solvent in Coating	Used
Miscellaneous Metal Parts	Cleaning/Pretreatment	Tons	Solvent in Coating	Used
Miscellaneous Metal Parts	Coating Mixing	Tons	Solvent in Coating	Used
Miscellaneous Metal Parts	Other Not Classified	Tons	Solvent in Coating	Used
Steel Drums	Coating Operation	Gallons	Paint	Consumed
Steel Drums	Equipment Cleanup	Gallons	Paint	Consumed
Steel Drums	Interior Coating	Gallons	Paint	Consumed
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Miscellaneous	Specify in Comments Field	Tons	Solvent in Coating	Used
Miscellaneous	Specify in Comments Field	Tons	Solvent	Used
Miscellaneous	Specify in Comments Field	Gallons	Material	Processed
Fixed Roof Tanks (Varying Sizes)	Gasoline RVP 10: Working Loss (Tank Diameter	1000 Gallons	Gasoline	Throughput
Fixed Roof Tanks (Varying Sizes)	Distillate Fuel #2: Breathing Loss (67000 Bbl. Tank	1000 Gallon-Years	Distillate Oil (No. 2)	Storage Capacity
Fixed Roof Tanks (Varying Sizes)	Distillate Fuel #2: Working Loss (Tank Diameter	1000 Gallons	Distillate Oil (No. 2)	Throughput
Fixed Roof Tanks (Varying Sizes)	Specify Liquid: Breathing Loss (67000 Bbl. Tank Size)	1000 Gallon-Years	Liquid	Storage Capacity
Fixed Roof Tanks (Varying Sizes)	Specify Liquid: Working Loss (Tank Diameter	1000 Gallons	Liquid	Throughput
Floating Roof Tanks (Varying Sizes)	Gasoline RVP 10: Standing Loss (67000 Bbl. Tank	1000 Gallon-Years	Gasoline	Storage Capacity
Floating Roof Tanks (Varying Sizes)	Jet Naphtha (JP-4): Standing Loss (67000 Bbl. Tank	1000 Gallon-Years	Jet Naphtha	Storage Capacity
Floating Roof Tanks (Varying Sizes)	Jet Naphtha (JP-4): Withdrawal Loss	1000 Gallons	Jet Naphtha	Throughput
Floating Roof Tanks (Varying Sizes)	Jet Naphtha (JP-4): Standing Loss - Internal	1000 Gallon-Years	Jet Naphtha	Storage Capacity
Fugitive Emissions	Specify in Comments Field	1000 Gallon-Years	Liquid	Storage Capacity
Bulk Terminals	Gasoline RVP 10: Breathing Loss (67000 Bbl	1000 Gallon-Years	Gasoline	Storage Capacity
Bulk Terminals	Gasoline RVP 13: Working Loss (Diam. Independent) -	1000 Gallons	Gasoline	Throughput
Bulk Terminals	Gasoline RVP 10: Standing Loss (67000 Bbl	1000 Gallon-Years	Gasoline	Storage Capacity
Bulk Terminals	Gasoline RVP 13/10/7: Withdrawal Loss (67000 Bbl	1000 Gallons	Gasoline	Throughput

SCC6Description	SCC8Description	Measure	Material	Action
Bulk Terminals	Vapor Control Unit Losses	1000 Gallons	Petroleum Liquid	Transferred
Bulk Terminals	See Comment **	1000 Gallons	Material	Throughput
Bulk Plants	Gasoline RVP 10: Breathing Loss (67000 Bbl	1000 Gallon-Years	Gasoline	Storage Capacity
Bulk Plants	Gasoline RVP 7: Working Loss (67000 Bbl. Capacity) -	1000 Gallons	Gasoline	Throughput
Bulk Plants	Valves, Flanges, and Pumps	1000 Gallons	Petroleum Liquid	Transferred
Petroleum Products - Underground Tanks	Gasoline RVP 13: Breathing Loss	1000 Gallon-Years	Gasoline	Storage Capacity
Petroleum Products - Underground Tanks	Gasoline RVP 13: Working Loss	1000 Gallons	Gasoline	Throughput
Petroleum Products - Underground Tanks	Gasoline RVP 7: Working Loss	1000 Gallons	Gasoline	Throughput
General	Letter Press: 2751	Tons	Ink	Used
General	Ink Thinning Solvent (Kerosene)	Tons	Solvent	Added
General	Printing: Flexographic	Tons	Ink	Used
General	Printing: Flexographic	Tons	Solvent in Ink	Used
General	Printing: Flexographic	Gallons	Ink	Used
General	Printing: Flexographic: Propyl Alcohol Cleanup	Tons	Solvent	Consumed
General	Lithographic: 2752	Tons	Ink	Used
General	Lithographic: 2752	Tons	Solvent in Ink	Used
General	Lithographic: Isopropyl Alcohol Cleanup	Tons	Solvent	Used
General	Offset Lithography: Dampening Solution with Alcohol	Tons	Alcohol	Used
General	Offset Lithography: Dampening Solution with High	Tons	Pure Solvent	Used
General	Offset Lithography: Nonheated Lithographic Inks	Tons	Ink	Used
General	Gravure: Cleanup Solvent	Tons	Solvent	Consumed
General	Other Not Classified	Pounds	Ink	Consumed
General	Ink Thinning Solvent: Other Not Specified	1000 Gallons	Solvent	Used
Fugitive Emissions	Specify in Comments Field	Each-Year	Process Unit	Operating
Tank Cars and Trucks	Gasoline: Splash Loading (Balanced Service)	1000 Gallons	Gasoline	Transferred
Tank Cars and Trucks	Jet Naphtha: Submerged Loading (Clean Tanks)	1000 Gallons	Jet Naphtha	Transferred
Tank Cars and Trucks	Kerosene: Submerged Loading (Clean Tanks)	1000 Gallons	Kerosene	Transferred
Tank Cars and Trucks	Distillate Oil: Submerged Loading (Clean Tanks)	1000 Gallons	Distillate Oil	Transferred
Marine Vessels	Gasoline: Ship Loading - Ballasted Tank	1000 Gallons	Gasoline	Transferred
Marine Vessels	Gasoline: Ocean Barges Loading - Ballasted Tank	1000 Gallons	Gasoline	Transferred
Marine Vessels	Gasoline: Barge Loading - Average Tank Condition	1000 Gallons	Gasoline	Transferred
Marine Vessels	Jet Fuel: Loading Tankers	1000 Gallons	Jet Fuel	Transferred
Marine Vessels	Kerosene: Loading Tankers	1000 Gallons	Kerosene	Transferred
Marine Vessels	Distillate Oil: Loading Tankers	1000 Gallons	Distillate Oil	Transferred
Marine Vessels	Jet Fuel: Loading Barges	1000 Gallons	Jet Fuel	Transferred
Marine Vessels	Kerosene: Loading Barges	1000 Gallons	Kerosene	Transferred
Marine Vessels	Distillate Oil: Loading Barges	1000 Gallons	Distillate Oil	Transferred
Gasoline Retail Operations - Stage I	Submerged Filling w/o Controls	1000 Gallons	Gasoline	Transferred
Gasoline Retail Operations - Stage I	Balanced Submerged Filling	1000 Gallons	Gasoline	Throughput
Gasoline Retail Operations - Stage I	Underground Tank Breathing and Emptying	1000 Gallons	Gasoline	Throughput
Filling Vehicle Gas Tanks - Stage II	Vapor Loss w/o Controls	1000 Gallons	Gasoline	Pumped
Filling Vehicle Gas Tanks - Stage II	Not Classified **	1000 Gallons	Gasoline	Pumped
Fugitive Emissions	Specify in Comments Field	1000 Gallons	Liquid	Throughput
Miscellaneous	Specify in Comments	1000 Gallon-Years	Liquid	Storage Capacity
Air Stripping Tower	Specify Solvent in Comments	Tons	Solvent	Stripped
Miscellaneous Volatile Organic Compound Evaporation	Identify the Process and Solvent in Comments	Gallons	Solvent	Consumed
Miscellaneous Volatile Organic Compound Evaporation	Identify the Process and Solvent in Comments	Tons	Solvent	Consumed
Municipal Incineration	Mass Burn: Single Chamber	Tons	Solid Waste	Burned
Sewage Treatment	Entire Plant	Million Gallons	Wastewater	Processed
Sewage Treatment	Primary Settling Tank	Million Gallons	Wastewater	Processed
Sewage Treatment	Sludge Digester Gas Flare	Million Cubic Feet	Gas	Processed
Incineration	Controlled Air	Tons	Solid Waste	Burned
Incineration: Special Purpose	Medical Waste Incinerator, unspecified type,	Tons	Medical Waste	Burned

SCC6Description	SCC8Description	Measure	Material	Action
Incineration: Special Purpose	VOC Contaminated Soil	Tons	Material	Burned
Landfill Dump	Waste Gas Flares ** (Use 5-01-004-10)	Million Cubic Feet	Waste Gas	Burned
Incineration	Multiple Chamber	Tons	Solid Waste	Burned
Landfill Dump	Waste Gas Flares	Million Cubic Feet	Waste Gas	Burned

Reg	Point	Segment	CAS	ChemicalName	EmissionQuantityFor2006InPounds	EmissionQuantityFor2005InPounds	MethodCode	VOC?	TAC?	HAP?
13460	1	1	CO	Carbon Monoxide	30587	146592	3	No	No	No
13460	1	1	7440-47-3	Chromium and compounds	39	30	3	No	Yes	Yes
13460	1	1	NO2	Nitrogen Oxides	4625	1629	1	No	No	No
13460	1	1	43207	Other Volatile Organic Compounds (VOC)	3679	2850	3	Yes	No	No
13460	1	1	PM10	Particulate Matter	3153	2443	3	No	No	No
13460	1	1	PM2.5	Particulate Matter	3067	2376		No	No	No
13460	1	1	SO2	Sulfur Oxides	736	570	3	No	No	No
13460	2	1	7664-41-7	Ammonia (NH3)	1966	0		No	Yes	No
13460	2	1	CO	Carbon Monoxide	16228	17500	3	No	No	No
13460	2	1	NO2	Nitrogen Oxides	75262	50000	1	No	No	No
13460	2	1	43207	Other Volatile Organic Compounds (VOC)	3379	300	3	Yes	No	No
13460	2	1	PM10	Particulate Matter	4669	2750	3	No	No	No
13460	2	1	PM2.5	Particulate Matter	4669	2750		No	No	No
13460	2	1	SO2	Sulfur Oxides	8416	6850	3	No	No	No
13460	3	1	43207	Other Volatile Organic Compounds (VOC)	0	0	1	Yes	No	No
13460	3	1	VOC	Volatile Organic Compounds (VOC)	0	0	1	Yes	No	No
13460	4	1	7664-41-7	Ammonia (NH3)	0	0		No	Yes	No
13460	4	1	CO	Carbon Monoxide	0	0	3	No	No	No
13460	4	1	NO2	Nitrogen Oxides	0	0	3	No	No	No
13460	4	1	43207	Other Volatile Organic Compounds (VOC)	0	0	3	Yes	No	No
13460	4	1	PM10	Particulate Matter	0	0	3	No	No	No
13460	4	1	SO2	Sulfur Oxides	0	0	3	No	No	No
13460	4	1	VOC	Volatile Organic Compounds (VOC)	0	0	3	Yes	No	No

Segments

Reg	Point	Segment	Description	SCC_Code	ProcessQuantity2006	ProcessQuantity2005	ProcessUnits
13460	1	1	Direct Arc Electric Arc Furnace	3-03-009-04	10511	8144	Tons Produced
13460	2	1	Boiler Natural Gas Combustion	1-02-006-02	6389	5196	1000 Therms
13460	3	1	Quenching Oils (Solvent)	3-04-022-11	0	0	Gal
13460	4	1	Heat Treatment And Forge Furnaces	1-02-005-01	0	0	Gal

Segments

EPAPrimaryControlDevice	EPASecondaryControlDevice	HeatContentInMillionBTUs	HeatContentFuelTypeBurned	SulfurContent%	AshContent%

Natural gas usage 614.3269 MMCF

NEI_POLLI	CAS	POLLUTAN	POLLUTAN	FACTOR	UNIT	MEASURE	MATERIAL	ACTION	AP42SECT	NOTES	REF_DESC	QUALITY	Emissions	
91576	91-57-6	2-Methyl Na	55	2.40E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	1.47E-02	
56495	56-49-5	3-Methylch	61	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E-03	less than
83329	83-32-9	Acenaphthe	69	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E-03	
208968	208-96-8	Acenaphthy	70	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E-03	
NH3	7664-41-7	Ammonia	87	3.20E+00	Lb	Million Cub	Natural Gas	Burned			Developme	C	1.97E+03	
120127	120-12-7	Anthracene	91	2.40E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.47E-03	
7440382	7440-38-2	Arsenic	93	2.00E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.23E-01	
	7440-39-3	Barium	96	4.40E-03	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	D	2.70E+00	
71432	71-43-2	Benzene	98	2.10E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	B	1.29E+00	
56553	56-55-3	Benzo (a) a	102	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E-03	
50328	50-32-8	Benzo (a) p	103	1.20E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	7.37E-04	
205992	205-99-2	Benzo (b) fl	104	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E-03	
191242	191-24-2	Benzo (g,h,	106	1.20E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	7.37E-04	
207089	207-08-9	Benzo (k) fl	107	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E-03	
7440417	7440-41-7	Beryllium	119	1.20E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	7.37E-03	
7440439	7440-43-9	Cadmium	130	1.10E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	6.76E-01	
CO2	124-38-9	Carbon dio	136	1.20E+05	Lb	Million Cub	Natural Gas	Burned	1.4	Based on a	EPA. Marc	A	7.37E+07	
CO	630-08-0	Carbon mo	137	8.40E+01	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	B	5.16E+04	
7440473	7440-47-3	Chromium	149	1.40E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	8.60E-01	
218019	218-01-9	Chrysene	153	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E-03	
7440484	7440-48-4	Cobalt	154	8.40E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	5.16E-02	
	7440-50-8	Copper	156	8.50E-04	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	C	5.22E-01	
53703	53-70-3	Dibenzo(a,l	166	1.20E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	7.37E-04	
	25321-22-6	Dichlorober	169	1.20E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	7.37E-01	
57976	57-97-6	Dimethylbe	181	1.60E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	9.83E-03	
	74-84-0	Ethane	189	3.10E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.90E+03	
206440	206-44-0	Fluoranther	204	3.00E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.84E-03	
86737	86-73-7	Fluorene	205	2.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.72E-03	
50000	50-00-0	Formaldeh	210	7.50E-02	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	B	4.61E+01	
193395	193-39-5	Indeno(1,2,	237	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E-03	
7439921	7439-92-1	Lead	250	5.00E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	3.07E-01	
7439965	7439-96-5	Manganese	257	3.80E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	2.33E-01	
7439976	7439-97-6	Mercury	260	2.60E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	1.60E-01	
	74-82-8	Methane	261	2.30E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	B	1.41E+03	
	7439-98-7	Molybdenu	287	1.10E-03	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	D	6.76E-01	
91203	91-20-3	Naphthalen	291	6.10E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	3.75E-01	
	106-97-8	n-Butane	292	2.10E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.29E+03	
110543	110-54-3	N-Hexane	295	1.80E+00	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.11E+03	
7440020	7440-02-0	Nickel	296	2.10E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	C	1.29E+00	
NOX		Nitrogen ox	303	1.00E+02	Lb	Million Cub	Natural Gas	Burned	1.4	Expressed	EPA. 1995	B	6.14E+04	
	10024-97-2	Nitrous oxid	304	2.20E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.35E+03	
	109-66-0	N-Pentane	307	2.60E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.60E+03	
85018	85-01-8	Phenanthre	325	1.70E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	1.04E-02	
PM-CON		PM, conder	330	5.70E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	D	3.50E+03	
PM-FIL		PM, filterab	334	1.90E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	B	1.17E+03	
PM-PRI		PM, primar	336	7.60E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	D	4.67E+03	
PM10-FIL		PM10, filter	338	1.90E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	B	1.17E+03	
PM10-PRI		PM10, prim	339	7.60E+00	Lb	Million Cub	Natural Gas	Burned		Sum of PM	This emissi	D	4.67E+03	
PM25-FIL		PM2.5, filte	340	1.90E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	B	1.17E+03	
PM25-PRI		PM2.5, prin	341	7.60E+00	Lb	Million Cub	Natural Gas	Burned		Sum of PM	This emissi	D	4.67E+03	
	74-98-6	Propane	351	1.60E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	9.83E+02	
129000	129-00-0	Pyrene	360	5.00E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	3.07E-03	
7782492	7782-49-2	Selenium	370	2.40E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.47E-02	
SO2	9/5/46	Sulfur dioxi	380	6.00E-01	Lb	Million Cub	Natural Gas	Burned	1.4	Based on 1	EPA. Marc	A	3.69E+02	
108883	108-88-3	Toluene	397	3.40E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	C	2.09E+00	
		Total organ	399	1.10E+01	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	B	6.76E+03	
	7440-62-2	Vanadium	413	2.30E-03	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	D	1.41E+00	
VOC		Volatile org	417	5.50E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	C	3.38E+03	
	7440-66-6	Zinc	419	2.90E-02	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.78E+01	

Direct Electric Arc Furnace: SCC 3-30-009-04 Primary Metals - Iron & Steel -- Steel Furnaces -- EAF Allo

SCC	CAS	POLLUTANT	L_COD	CONTROL1	CTL_CODE	NTRO
30300904	630-08-0	Carbon monoxide	000	UNCONTROLLED		
30300904	7440-47-3	Chromium	000	UNCONTROLLED		
30300904	1333-82-0	Chromium (VI) oxide (1:3)	000	UNCONTROLLED		
30300904	7440-02-0	Nickel	000	UNCONTROLLED		
30300904	7440-02-0	Nickel	127	FABRIC FILTER		
30300904		Nitrogen oxides (NOx)	000	UNCONTROLLED		
30300904		PM, filterable	000	UNCONTROLLED		
30300904		PM10, filterable	000	UNCONTROLLED		
30300904		Sulfur oxides (SOx)	000	UNCONTROLLED		
30300904		Volatile organic compounds (VOC)	000	UNCONTROLLED		

Boiler Natural Gas Combustion: SCC 1-02-006-02 Industrial Boilers - 10-100 MMBtu/hr - Natural Gas

SCC	CAS	POLLUTANT	L_COD	CONTROL1	CTL_CODE	NTRO
10200602	83-32-9	Acenaphthene	000	UNCONTROLLED		
10200602	208-96-8	Acenaphthylene	000	UNCONTROLLED		
10200602	7664-41-7	Ammonia	000	UNCONTROLLED		
10200602	7664-41-7	Ammonia	107	NONCATALYTIC REDUCTION FOR		
10200602	7664-41-7	Ammonia	139	CATALYTIC REDUCTION)		
10200602	120-12-7	Anthracene	000	UNCONTROLLED		
10200602	7440-38-2	Arsenic	000	UNCONTROLLED		
10200602	7440-39-3	Barium	000	UNCONTROLLED		
10200602	71-43-2	Benzene	000	UNCONTROLLED		
10200602	56-55-3	Benzo (a) anthracene	000	UNCONTROLLED		
10200602	50-32-8	Benzo (a) pyrene	000	UNCONTROLLED		
10200602	205-99-2	Benzo (b) fluoranthene	000	UNCONTROLLED		

10200602	191-24-2	Benzo (g,h,i) perylene	000	UNCONTROLLED		
10200602	207-08-9	Benzo (k) fluoranthene	000	UNCONTROLLED		
10200602	7440-41-7	Beryllium	000	UNCONTROLLED		
10200602	106-97-8	n-Butane	000	UNCONTROLLED		
10200602	7440-43-9	Cadmium	000	UNCONTROLLED		
10200602	124-38-9	Carbon dioxide	000	UNCONTROLLED		
10200602	630-08-0	Carbon monoxide	000	UNCONTROLLED		
10200602	630-08-0	Carbon monoxide	205	LOW NOX BURNERS		
10200602	630-08-0	Carbon monoxide	205	LOW NOX BURNERS	026	E GAS
10200602	7440-47-3	Chromium	000	UNCONTROLLED		
10200602	218-01-9	Chrysene	000	UNCONTROLLED		
10200602	7440-48-4	Cobalt	000	UNCONTROLLED		
10200602	7440-50-8	Copper	000	UNCONTROLLED		
10200602	53-70-3	Dibenzo(a,h) anthracene	000	UNCONTROLLED		
10200602	25321-22-6	Dichlorobenzene, mixed isomers	000	UNCONTROLLED		
10200602	57-97-6	Dimethylbenz(a)anthracene	000	UNCONTROLLED		
10200602	74-84-0	Ethane	000	UNCONTROLLED		
10200602	206-44-0	Fluoranthene	000	UNCONTROLLED		
10200602	86-73-7	Fluorene	000	UNCONTROLLED		
10200602	50-00-0	Formaldehyde	000	UNCONTROLLED		
10200602	193-39-5	Indeno(1,2,3-cd)pyrene	000	UNCONTROLLED		
10200602	7439-92-1	Lead	000	UNCONTROLLED		
10200602	7439-96-5	Manganese	000	UNCONTROLLED		
10200602	7439-97-6	Mercury	000	UNCONTROLLED		
10200602	74-82-8	Methane	000	UNCONTROLLED		
10200602	91-57-6	2-Methyl Naphthalene	000	UNCONTROLLED		

10200602	56-49-5	3-Methylcholanthrene	000	UNCONTROLLED		
10200602	7439-98-7	Molybdenum	000	UNCONTROLLED		
10200602	91-20-3	Naphthalene	000	UNCONTROLLED		
10200602	110-54-3	N-Hexane	000	UNCONTROLLED		
10200602	7440-02-0	Nickel	000	UNCONTROLLED		
10200602		Nitrogen oxides (NOx)	000	UNCONTROLLED		
10200602		Nitrogen oxides (NOx)	205	LOW NOX BURNERS		
10200602		Nitrogen oxides (NOx)	205	LOW NOX BURNERS	026	E GAS
10200602	10024-97-2	Nitrous oxide	000	UNCONTROLLED		
10200602	10024-97-2	Nitrous oxide	205	LOW NOX BURNERS		
10200602	109-66-0	N-Pentane	000	UNCONTROLLED		
10200602	85-01-8	Phenanthrene	000	UNCONTROLLED		
10200602		PM, condensable	000	UNCONTROLLED		
10200602		PM, filterable	000	UNCONTROLLED		
10200602		PM, primary	000	UNCONTROLLED		
10200602		PM2.5, primary	000	UNCONTROLLED		
10200602	74-98-6	Propane	000	UNCONTROLLED		
10200602	129-00-0	Pyrene	000	UNCONTROLLED		
10200602	7782-49-2	Selenium	000	UNCONTROLLED		
10200602	7446-09-5	Sulfur dioxide	000	UNCONTROLLED		
10200602	108-88-3	Toluene	000	UNCONTROLLED		
10200602		Total organic compounds (TOC)	000	UNCONTROLLED		
10200602	7440-62-2	Vanadium	000	UNCONTROLLED		
10200602		Volatile organic compounds (VOC)	000	UNCONTROLLED		
10200602	7440-66-6	Zinc	000	UNCONTROLLED		

Heat Treatment and Forge Furnaces: SCC 1-02-005-02 Industrial Boilers - Distiallate Oil Grades 1 & 2

SCC	CAS	POLLUTANT	L_COD	CONTROL1	CTL_CODE	NTRC
10200501	7664-41-7	Ammonia	000	UNCONTROLLED		
10200501	7664-41-7	Ammonia	107	NONCATALYTIC REDUCTION FOR		
10200501	7664-41-7	Ammonia	139	CATALYTIC REDUCTION)		
10200501	7440-38-2	Arsenic	000	UNCONTROLLED		
10200501	7440-38-2	Arsenic	000	UNCONTROLLED		
10200501	7440-41-7	Beryllium	000	UNCONTROLLED		
10200501	7440-41-7	Beryllium	000	UNCONTROLLED		
10200501	7440-43-9	Cadmium	000	UNCONTROLLED		
10200501	7440-43-9	Cadmium	000	UNCONTROLLED		
10200501	630-08-0	Carbon monoxide	000	UNCONTROLLED		
10200501	630-08-0	Carbon monoxide	205	LOW NOX BURNERS	026	E GAS
10200501	7440-47-3	Chromium	000	UNCONTROLLED		
10200501	7440-47-3	Chromium	000	UNCONTROLLED		
10200501	7440-50-8	Copper	000	UNCONTROLLED		
10200501	50-00-0	Formaldehyde	000	UNCONTROLLED		
10200501	7439-92-1	Lead	000	UNCONTROLLED		
10200501	7439-92-1	Lead	000	UNCONTROLLED		
10200501	7439-96-5	Manganese	000	UNCONTROLLED		
10200501	7439-96-5	Manganese	000	UNCONTROLLED		
10200501	7439-97-6	Mercury	000	UNCONTROLLED		
10200501	74-82-8	Methane	000	UNCONTROLLED		
10200501	7440-02-0	Nickel	000	UNCONTROLLED		
10200501	7440-02-0	Nickel	000	UNCONTROLLED		
10200501		Nitrogen oxides (NOx)	000	UNCONTROLLED		
10200501		Nitrogen oxides (NOx)	000	UNCONTROLLED		

10200501		Nitrogen oxides (NOx)	205	LOW NOX BURNERS	026	E GAS
10200501	10024-97-2	Nitrous oxide	000	UNCONTROLLED		
10200501	10024-97-2	Nitrous oxide	000	UNCONTROLLED		
10200501		PM, condensable	000	UNCONTROLLED		
10200501		PM, condensable inorganics	000	UNCONTROLLED		
10200501		PM, condensable organics	000	UNCONTROLLED		
10200501		PM, filterable	000	UNCONTROLLED		
10200501		PM, filterable	205	LOW NOX BURNERS	026	E GAS
10200501		PM, primary	000	UNCONTROLLED		
10200501		PM10, filterable	000	UNCONTROLLED		
10200501		PM10, filterable	000	UNCONTROLLED		
10200501		PM10, primary	000	UNCONTROLLED		
10200501		PM2.5, filterable	000	UNCONTROLLED		
10200501		PM2.5, primary	000	UNCONTROLLED		
10200501		Polycyclic organic matter (POM)	000	UNCONTROLLED		
10200501	7782-49-2	Selenium	000	UNCONTROLLED		
10200501	7446-09-5	Sulfur dioxide	000	UNCONTROLLED		
10200501	7446-09-5	Sulfur dioxide	205	LOW NOX BURNERS	026	E GAS
10200501		Sulfur oxides (SOx)	000	UNCONTROLLED		
10200501	7446-11-9	Sulfur trioxide	000	UNCONTROLLED		
10200501	7446-11-9	Sulfur trioxide	000	UNCONTROLLED		
10200501	7446-11-9	Sulfur trioxide	205	LOW NOX BURNERS	026	E GAS
10200501		Total non-methane organic compounds (TNMOC)	000	UNCONTROLLED		
10200501		Total organic compounds (TOC)	000	UNCONTROLLED		
10200501		Volatile organic compounds (VOC)	000	UNCONTROLLED		
10200501	7440-66-6	Zinc	000	UNCONTROLLED		

y Steel

FACTOR	POLL_UNIT	MEASURE	MATERIAL	ACTION	STANDARD	TYPE	AFS
1.80E+01	Lb	Tons	Material	Produced	-1	Discrete	-1
1.94E+00	Lb	Tons	Material	Produced	-1	Discrete	0
0.000E0 - 5.600E0	Lb	Tons	Material	Produced	-1	Range	0
2.50E-02	Lb	Tons	Material	Produced	-1	Discrete	0
3.90E-05	Lb	Tons	Material	Produced	-1	Discrete	0
2.00E-01	Lb	Tons	Material	Produced	-1	Discrete	-1
1.13E+01	Lb	Tons	Material	Produced	-1	Discrete	-1
6.55E+00	Lb	Tons	Material	Produced	-1	Discrete	-1
7.00E-02	Lb	Tons	Material	Produced	-1	Discrete	-1
3.50E-01	Lb	Tons	Material	Produced	-1	Discrete	-1

FACTOR	POLL_UNIT	MEASURE	MATERIAL	ACTION	STANDARD	TYPE	AFS
<1.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
<1.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
3.20E+00	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.800E1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
9.100E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
<2.400E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
2.000E-4	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
4.400E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.100E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
<1.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
<1.200E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
<1.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0

<1.200E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
<1.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
<1.200E-5	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
2.100E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.100E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.200E5	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
8.400E1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	-1
8.400E1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
8.400E1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.400E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
<1.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
8.400E-5	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
8.500E-4	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
<1.200E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
1.200E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
<1.600E-5	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
3.100E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
3.000E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
7.500E-2	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
<1.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
5.000E-4	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	-1
3.800E-4	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.600E-4	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.300E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.400E-5	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0

<1.800E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
1.100E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
6.100E-4	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.800E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.100E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.000E2	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	-1
5.000E1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
3.200E1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.200E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
6.400E-1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.600E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.700E-5	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
5.700E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.900E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
7.600E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	-1
7.600E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.600E0	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
5.000E-6	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
<2.400E-5	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Less Than	0
6.000E-1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
3.400E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
1.100E1	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
2.300E-3	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0
5.50E+00	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	-1
2.900E-2	Lb	Million Cubic Feet	Natural Gas	Burned	-1	Discrete	0

FACTOR	POLL_UNIT	MEASURE	MATERIAL	ACTION	STANDARD	TYPE	AFS
8.00E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
2.90E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
1.40E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
4.20E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
4.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
2.50E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
3.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
1.10E-05	Lb	Million Btus	Heat	Input	0	Discrete	0
3.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
5.00E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	-1
5.00E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
4.800E-5 - 6.700E-5	Lb	Million Btus	Heat	Input	0	Range	0
3.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
6.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
3.500E-2 - 6.100E-2	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Range	0
1.25E-03	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
9.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
1.40E-05	Lb	Million Btus	Heat	Input	0	Discrete	0
6.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
3.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
5.20E-02	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
1.80E-05	Lb	Million Btus	Heat	Input	0	Discrete	0
3.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0
2.00E+01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
2.40E+01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	-1

1.00E+01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
1.54E-05	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
1.10E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
1.30E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
8.50E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Derived	0
4.50E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Derived	0
2.00E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
2.00E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
2.00E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
1.00E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
1.00E+00	Lb	1000 Gallons	Distillate Oil	Burned	0	Derived	0
1.00E+00	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
2.50E-01	Lb	1000 Gallons	Distillate Oil	Burned	0	Derived	0
2.50E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
3.30E-03	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
1.50E-05	Lb	Million Btus	Heat	Input	0	Discrete	0
Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0
Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0
Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0
Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0
Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0
Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0
2.00E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
2.52E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
2.00E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0
4.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0

DUPCOUNT	DUPREASO	NOTES	FORMULA
0			
0		Total chromium. Lack of Supporting Documentation.	
0		Lack of Supporting Documentation.	
0		Calculated based on source tests. Lack of Supporting Documentation.	
0		Calculated based on source tests. Lack of Supporting Documentation.	
0			
0			
0			
0			
0			

DUPCOUNT	DUPREASO	NOTES	FORMULA
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0			
0			
0			
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act.	
0			
0		defined by Section 112(b) of the Clean Air Act.	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	

0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act.	
0			
0		defined by Section 112(b) of the Clean Air Act.	
0		Based on approximately 100% conversion of fuel carbon to CO2.	
0			
0			
0			
0		defined by Section 112(b) of the Clean Air Act.	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act.	
0			
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act.	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
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0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act.	
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0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act.	
0		defined by Section 112(b) of the Clean Air Act.	
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0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	

0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0			
0		defined by Section 112(b) of the Clean Air Act.	
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act.	
0		Expressed as NO2.	
0		wall-fired boilers with SNCR control, apply a 24% reduction to the	
0		wall-fired boilers with SNCR control, apply a 24% reduction to the	
0			
0			
0			
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		is assumed to be less than 1.0 micrometer in diameter. Therefore, the	
0		is assumed to be less than 1.0 micrometer in diameter. Therefore, the	
0		is assumed to be less than 1.0 micrometer in diameter. Therefore, the	
0		Sum of PM25-FIL and PM-CON emissior	
0			
0		defined by Section 112(b) of the Clean Air Act. HAP because it is Polycyclic	
0		defined by Section 112(b) of the Clean Air Act.	
0		Based on 100% conversion of fuel sulphur to SO2.	
0		defined by Section 112(b) of the Clean Air Act.	
0			
0			
0			
0			

DUPCOUNT	DUPREASO	NOTES	FORMULA
0			
0			
0			
0		Literature review.	
0			
0		Literature review.	
0			
0		Literature review.	
0			
0		of 10 to 100 if the unit is improperly operated or not well maintained.	
0		of 10 to 100 if the unit is improperly operated or not well maintained.	
0		Literature review.	
0			
0			
0		Corrected in Supp A.	
0		Literature review.	
0			
0		Literature review.	
0			
0		Literature review.	
0		can increase by several orders of magnitude if the boiler is improperly	
0			
0			
0		Test results indicate that at least 95% by weight of NOx is NO for all boiler types.	
0		weight of NOx is NO for all boiler types except residential furnaces, where about	

0		weight of NOx is NO for all boiler types except residential furnaces, where about	
0			
0			
0		or uncontrolled. No data are available for numbers 3,4, and 5 oil. For number	
0		or uncontrolled. No data are available for numbers 3,4, and 5 oil. For number	
0		or uncontrolled. No data are available for numbers 3,4, and 5 oil. For number	
0		Filterable PM is that particulate collected on or prior to the filter of an EPA Method	
0		Filterable PM is that particulate collected on or prior to the filter of an EPA Method	
0			
0			
0			
0			derived: 50% of the
0		Factor is derived: 12% of the PM, total factor	
0			derived: 12% of the
0		Particulate POM only. Corrected in Supp A.	
0			
0		EF provided by the weight percent sulfur.	1.42E2*S
0		EF provided by the weight percent sulfur (S).	1.42E2*S
0		the weight percent sulfur content of the fuel to obtain emission factor in	(% Sulfur Content)
0		EF provided by the weight percent sulfur.	Sulfur Content)
0		EF provided by the weight percent sulfur (S).	5.7E0*S
0		EF provided by the weight percent sulfur (S).	5.7E0*S
0		can increase by several orders of magnitude if the boiler is improperly	
0		can increase by several orders of magnitude if the boiler is improperly	
0		can increase by several orders of magnitude if the boiler is improperly	
0			

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SORTNAME	SORTSCC	QUALITY	UNIQID	CREATED	REVOKED
CARBON MONOXIDE	3743	C	F5C00005727		
CHROMIUM	3743	U	F5T00001737		
CHROMIUM (VI) OXIDE (1:3)	3743	U	F6220000001	06/15/1999	
NICKEL	3743	U	F5T00005020		
NICKEL	3743	U	F5T00005021		
NITROGEN OXIDES (NOX)	3743	U	F5C00005731		
PM, FILTERABLE	3743	A	F5C00005730		
PM10, FILTERABLE	3743	A	F5C00005729		
SULFUR OXIDES (SOX)	3743	U	F5C00005732		
VOLATILE ORGANIC COMPOUNDS (VOC)	3743	U	F5C00005728		

SORTNAME	SORTSCC	QUALITY	UNIQID	CREATED	REVOKED
ACENAPHTHENE	161	E	F6100000277	03/01/1998	
ACENAPHTHYLENE	161	E	F6100000285	03/01/1998	
AMMONIA	161	C	F6230001208	09/01/2000	
AMMONIA	161	C	F6230002152	09/01/2000	
AMMONIA	161	C	F6230001931	09/01/2000	
ANTHRACENE	161	E	F6100000293	03/01/1998	
ARSENIC	161	E	F6100000445	03/01/1998	
BARIUM	161	D	F6100000453	03/01/1998	
BENZENE	161	B	F6100000309	03/01/1998	
BENZO (A) ANTHRACENE	161	E	F6100000301	03/01/1998	
BENZO (A) PYRENE	161	E	F6100000317	03/01/1998	
BENZO (B) FLUORANTHENE	161	E	F6100000325	03/01/1998	

BENZO (G,H,I) PERYLENE	161	E	F6100000333	03/01/1998	
BENZO (K) FLUORANTHENE	161	E	F6100000583	03/01/1998	
BERYLLIUM	161	E	F6100000460	03/01/1998	
BUTANE N-	161	E	F6100000340	03/01/1998	
CADMIUM	161	D	F6100000468	03/01/1998	
CARBON DIOXIDE	161	A	F6100000169	03/01/1998	
CARBON MONOXIDE	161	B	F6100000125	03/01/1998	
CARBON MONOXIDE	161	B	F6100000134	03/01/1998	
CARBON MONOXIDE	161	B	F6100000141	03/01/1998	
CHROMIUM	161	D	F6100000476	03/01/1998	
CHRYSENE	161	E	F6100000349	03/01/1998	
COBALT	161	D	F6100000484	03/01/1998	
COPPER	161	C	F6100000492	03/01/1998	
DIBENZO(A,H) ANTHRACENE	161	E	F6100000357	03/01/1998	
DICHLOROBENZENE, MIXED ISOMERS	161	E	F6100000365	03/01/1998	
DIMETHYLBENZ(A)ANTHRACENE	161	E	F6100000271	03/01/1998	
ETHANE	161	E	F6100000373	03/01/1998	
FLUORANTHENE	161	E	F6100000381	03/01/1998	
FLUORENE	161	E	F6100000389	03/01/1998	
FORMALDEHYDE	161	B	F6100000397	03/01/1998	
INDENO(1,2,3-CD)PYRENE	161	E	F6100000413	03/01/1998	
LEAD	161	D	F6100000201	03/01/1998	
MANGANESE	161	D	F6100000500	03/01/1998	
MERCURY	161	D	F6100000507	03/01/1998	
METHANE	161	B	F6100000237	03/01/1998	
METHYL NAPHTHALENE 2-	161	D	F6100000253	03/01/1998	

METHYLCHOLANTHRENE 3-	161	E	F6100000261	03/01/1998	
MOLYBDENUM	161	D	F6100000515	03/01/1998	
NAPHTHALENE	161	E	F6100000421	03/01/1998	
N-HEXANE	161	E	F6100000405	03/01/1998	
NICKEL	161	C	F6100000523	03/01/1998	
NITROGEN OXIDES (NOX)	161	B	F6200001488	03/01/1998	
NITROGEN OXIDES (NOX)	161	D	F6100000158	03/01/1998	
NITROGEN OXIDES (NOX)	161	C	F6100000161	03/01/1998	
NITROUS OXIDE	161	E	F6100000185	03/01/1998	
NITROUS OXIDE	161	E	F6100000193	03/01/1998	
N-PENTANE	161	E	F6100000429	03/01/1998	
PHENANTHRENE	161	D	F6100000437	03/01/1998	
PM, CONDENSABLE	161	D	F6100000209	03/01/1998	
PM, FILTERABLE	161	B	F6100000217	03/01/1998	
PM, PRIMARY	161	D	F6100000177	2/1/04	
PM10, PRIMARY	161	D	F5C00009588	2/1/04	
PROPANE	161	E	F6100000556	03/01/1998	
PYRENE	161	E	F6100000564	03/01/1998	
SELENIUM	161	E	F6100000531	03/01/1998	
SULFUR DIOXIDE	161	A	F5C00002792		
TOLUENE	161	C	F6100000572	03/01/1998	
TOTAL ORGANIC COMPOUNDS (TOC)	161	B	F6100000229	03/01/1998	
VANADIUM	161	D	F6100000539	03/01/1998	
VOLATILE ORGANIC COMPOUNDS (VOC)	161	C	F6100000245	03/01/1998	
ZINC	161	E	F6100000547	03/01/1998	

SORTNAME	SORTSCC	QUALITY	UNIQID	CREATED	REVOKED
AMMONIA	146	E	F6230001187	09/01/2000	
AMMONIA	146	C	F6230002089	09/01/2000	
AMMONIA	146	C	F6230001868	09/01/2000	
ARSENIC	146	E	F5T00000228		09/01/1998
ARSENIC	146	E	F6200000340	09/01/1998	
BERYLLIUM	146	E	F5T00000767		09/01/1998
BERYLLIUM	146	E	F6200000343	09/01/1998	
CADMIUM	146	E	F5T00000927		09/01/1998
CADMIUM	146	E	F6200000346	09/01/1998	
CARBON MONOXIDE	146	A	F5C00000077		
CARBON MONOXIDE	146	A	F6200000149	09/01/1998	
CHROMIUM	146	E	F5T00001500		09/01/1998
CHROMIUM	146	E	F6200000349	09/01/1998	
COPPER	146	E	F6200000352	09/01/1998	
FORMALDEHYDE	146	E	F5T00002243		
LEAD	146	E	F5C00009323		09/01/1998
LEAD	146	E	F6200000355	09/01/1998	
MANGANESE	146	E	F5T00002549		09/01/1998
MANGANESE	146	E	F6200000358	09/01/1998	
MERCURY	146	E	F5T00002751		
METHANE	146	A	F5C00000020		
NICKEL	146	E	F5T00004976		09/01/1998
NICKEL	146	E	F6200000361	09/01/1998	
NITROGEN OXIDES (NOX)	146	A	F5C00000054		09/01/1998
NITROGEN OXIDES (NOX)	146	D	F6200000140	09/01/1998	

NITROGEN OXIDES (NOX)	146	D	F6200000151	09/01/1998	
NITROUS OXIDE	146	E	F5C00000037		09/01/1998
NITROUS OXIDE	146	E	F6200000334	09/01/1998	
PM, CONDENSABLE	146	D	F6200000167	09/01/1998	
PM, CONDENSABLE INORGANICS	146	D	F6200000170	09/01/1998	09/01/2000
PM, CONDENSABLE ORGANICS	146	D	F6200000173	09/01/1998	09/01/2000
PM, FILTERABLE	146	A	F5C00000100		
PM, FILTERABLE	146	A	F6200000153	09/01/1998	09/01/2000
PM, PRIMARY	146	E	F6200000296	09/01/1998	12/01/1999
PM10, FILTERABLE	146	A	F5C00000007		09/01/1998
PM10, FILTERABLE	146	E	F6230000299	12/01/1999	
PM10, PRIMARY	146	E	F6200000299	09/01/1998	12/01/1999
PM2.5, FILTERABLE	146	E	F6230000300	12/01/1999	
PM2.5, PRIMARY	146	E	F6200000302	09/01/1998	12/01/1999
ORGANIC MATTER (POM)	146	E	F5T00005271		
SELENIUM	146	E	F6200000363	09/01/1998	
SULFUR DIOXIDE	146	A	F5C00001746		
SULFUR DIOXIDE	146	A	F6200000155	09/01/1998	
SULFUR OXIDES (SOX)	146	A	F5C00003422		09/01/1998
SULFUR TRIOXIDE	146	A	F5C00001757		09/01/1998
SULFUR TRIOXIDE	146	C	F6200000141	09/01/1998	
SULFUR TRIOXIDE	146	A	F6200000157	09/01/1998	
ORGANIC COMPOUNDS	146	A	F6200000196	09/01/1998	
TOTAL ORGANIC COMPOUNDS (TOC)	146	A	F5C00001788		
VOLATILE ORGANIC COMPOUNDS (VOC)	146	A	F5C00001792		09/01/1998
ZINC	146	E	F6200000367	09/01/1998	

2006 EMISSION REPORT CALCULATIONS

Revised Factors 5/07

ELECTRIC FURNACE PRODUCTION 10,511 TONS PRODUCED

			LBS	TONS	Emission Factor Source
CARBON MONOXIDE	TONS	2.91000	30,587	15.29	PSCAA NOC 9435
CHROMIUM COMPOUNDS		0.00372	39	0.02	PM10 factor X 0.20% Cr in PM emissions (EPA-450/4-84-007g). Wide range of values found in available data. Source-supplied number is within range, therefore acceptable
NITROGEN OXIDES	PRODUCED	0.44000	4,625	2.31	PSCAA NOC 9435
PARTICULATE MATTER (PM10)	X	0.30000	3,153	1.58	AP-42, Table 12.5-1, EAF, "Controlled by building evacuation to baghouse.."
PARTICULATE MATTER (PM2.5)	FACTOR	0.29174	3,067	1.53	PM10 factor X ratio of AP-42 Table 12.5-2 factors for PM2.5 to PM10
SULFUR OXIDES		0.07000	736	0.37	FIRE data downloaded from TTN
VOLATILE ORGANIC COMPOUNDS		0.35000	3,679	1.84	FIRE data downloaded from TTN
LEAD		0.03200	336	0.17	AP-42, Table 12.5-7, EAF, "Controlled by building evacuation to baghouse w/o O2 ."
FLUORIDE		0.07500	788	0.39	AP-42, Table 12.5-9, EAF, "Controlled by building evacuation to baghouse."
BERYLLIUM		7.400E-08	7.778E-04	0.00	AP-42, Table 12.5-9, EAF, "Controlled by building evacuation to baghouse."

	4552	
NATURAL GAS	6,389,000	THERMS
	6.39E+11	Btu
	614	million ft3

	MILL. FT3	Factor	LBS	TONS	
CARBON MONOXIDE	614	26.416	16228	8.11	PSCAA NOC 9435
NITROGEN OXIDES	614	122.512	75262	37.63	PSCAA NOC 9435
PARTICULATE MATTER (PM10)	614	7.600	4669	2.33	FIRE data downloaded from TTN
PARTICULATE MATTER (PM2.5)	614	7.600	4669	2.33	FIRE data downloaded from TTN
SULFUR OXIDES	614	0.60	369	0.18	FIRE data downloaded from TTN
VOLATILE ORGANIC COMPOUNDS	614	5.50	3379	1.69	FIRE data downloaded from TTN
AMMONIA(NH3)	614	3.20	1966	0.98	FIRE data downloaded from TTN

DISTALLATE OIL COMBUSTION	0	Gallons			
	0	Thousand gallons			
			LBS	TONS	
CARBON MONOXIDE	GALLONS	5.0000	-	0.00	FIRE data downloaded from TTN
NITROGEN OXIDES	USED	20.0000	-	0.00	FIRE data downloaded from TTN
PARTICULATE MATTER (PM10)	X	1.0000	-	0.00	FIRE data downloaded from TTN
PARTICULATE MATTER (PM2.5)	FACTOR	2.50E-01	-	0.00	FIRE data downloaded from TTN
SULFUR OXIDES		0.0710	-	0.00	AP-42, Table 1.3-12, with sulfur content 0.5%
VOLATILE ORGANIC COMPOUNDS		0.2000	-	0.00	FIRE data downloaded from TTN

	LBS	TONS
CARBON MONOXIDE		

ELECTRIC FURNACE	30,587	
NATURAL GAS	16,228	
DISTILLATE OIL	-	
TOTAL (CO)	46,815	**23.41**
NITROGEN OXIDES		
ELECTRIC FURNACE	4,625	
NATURAL GAS	75,262	
DISTILLATE OIL	-	
TOTAL (NO2)	79,887	**39.94**
PARTICULATE MATTER (PM10)		
ELECTRIC FURNACE	3,153	
NATURAL GAS	4,669	
DISTILLATE OIL	-	
TOTAL (PM10)	7,822	**3.91**
PARTICULATE MATTER (PM2.5)		
ELECTRIC FURNACE	3,067	
NATURAL GAS	4,669	
DISTILLATE OIL	-	
TOTAL (PM2.5)	7,735	**3.87**
SULFUR OXIDES		
ELECTRIC FURNACE	736	
NATURAL GAS	369	
DISTILLATE OIL	-	
TOTAL (SO2)	1,104	**0.55**
VOLATILE ORGANIC COMPOUNDS		
ELECTRIC FURNACE	3,679	
NATURAL GAS	3,379	
DISTILLATE OIL	-	
TOTAL (VOC)	7,058	**3.53**
LEAD	336	
FLUORIDE	788	
BERYLLIUM	0	

2001 EMISSION REPORT CALCULATIONS FOR I

ELECTRIC FURNACE PRODUCTION	6207	TONS PRODUCED	
			LBS
CARBON MONOXIDE	TONS	18.00000	111726
CHROMIUM COMPOUNDS		0.00372	23
NITROGEN OXIDES	PRODUCED	0.10000	621
PARTICULATE MATTER (PM10)	X	0.12300	763
SULFUR OXIDES	FACTOR	0.70000	4345
VOLATILE ORGANIC COMPOUNDS		0.35000	2172

NATURAL GAS	4286	THERMS	
			LBS
CARBON MONOXIDE	THERMS	3.4	14572
NITROGEN OXIDES	USED	13.6	58290
PARTICULATE MATTER (PM10)	X	0.00024	1
SULFUR OXIDES	FACTOR	0.058	249
VOLATILE ORGANIC COMPOUNDS		0.272	1166

DISTALLATE OIL COMBUSTION	0	GALLONS	
			LBS
CARBON MONOXIDE	GALLONS	0.0050	0
NITROGEN OXIDES	USED	0.0200	0
PARTICULATE MATTER (PM10)	X	0.0010	0
SULFUR OXIDES	FACTOR	0.0710	0
VOLATILE ORGANIC COMPOUNDS		0.0002	0

	LBS	TONS
CARBON MONOXIDE		
ELECTRIC FURNACE	111726	
NATURAL GAS	14572	
DISTILLATE OIL	0	
TOTAL (CO)	126298	**63.15**
NITROGEN OXIDES		
ELECTRIC FURNACE	621	
NATURAL GAS	58290	
DISTILLATE OIL	0	
TOTAL (NO2)	58910	**29.46**
PARTICULATE MATTER (PM10)		
ELECTRIC FURNACE	763	
NATURAL GAS	1	
DISTILLATE OIL	0	
TOTAL (PM10)	764	**0.38**

SULFUR OXIDES		
ELECTRIC FURNACE	4345	
NATURAL GAS	249	
DISTILLATE OIL	0	
TOTAL (SO2)	4593	**2.30**
VOLATILE ORGANIC COMPOUNDS		
ELECTRIC FURNACE	2172	
NATURAL GAS	1166	
DISTILLATE OIL	0	
TOTAL (VOC)	**3338**	**1.67**

PSCAA REVIEW

TONS
55.86
0.01
0.31
0.38
2.17
1.09

TONS
7.29
29.14
0.00
0.12
0.58

TONS
0.00
0.00
0.00
0.00
0.00

2000 EMISSION REPORT CALCULATIONS FOR PS

ELECTRIC FURNACE PRODUCTION	8,422	TONS PRODUCED	
			LBS
CARBON MONOXIDE	TONS	18.00000	151,596
CHROMIUM COMPOUNDS		0.00372	31
NITROGEN OXIDES	PRODUCED	0.20000	1,684
PARTICULATE MATTER (PM10)	X	0.30000	2,527
PARTICULATE MATTER (PM2.5)	FACTOR	0.29174	2,457
SULFUR OXIDES		0.07000	590
VOLATILE ORGANIC COMPOUNDS		0.35000	2,948

NATURAL GAS	4,947,000	THERMS	
	4.95E+11	Btu	
	476	million ft3	
			LBS
CARBON MONOXIDE	THERMS	35	16,649
NITROGEN OXIDES	USED	100	47,567
PARTICULATE MATTER (PM10)	X	5.5	2,616
PARTICULATE MATTER (PM2.5)	FACTOR	5.5	2,616
SULFUR OXIDES		13.7	6,517
VOLATILE ORGANIC COMPOUNDS		0.6	285

DISTALLATE OIL COMBUSTION	0	Gallons	
	0	Thousand gallons	
			LBS
CARBON MONOXIDE	GALLONS	5.0000	-
NITROGEN OXIDES	USED	20.0000	-
PARTICULATE MATTER (PM10)	X	1.0000	-
PARTICULATE MATTER (PM2.5)	FACTOR	2.50E-01	-
SULFUR OXIDES		0.0710	-
VOLATILE ORGANIC COMPOUNDS		0.2000	-

	LBS	TONS
CARBON MONOXIDE		
ELECTRIC FURNACE	151,596	
NATURAL GAS	16,649	
DISTILLATE OIL	-	
TOTAL (CO)	168,245	**84.12**
NITROGEN OXIDES		
ELECTRIC FURNACE	1,684	
NATURAL GAS	47,567	
DISTILLATE OIL	-	

TOTAL (NO2)	49,252	**24.63**
PARTICULATE MATTER (PM10)		
ELECTRIC FURNACE	2,527	
NATURAL GAS	2,616	
DISTILLATE OIL	-	
TOTAL (PM10)	5,143	**2.57**
PARTICULATE MATTER (PM2.5)		
ELECTRIC FURNACE	2,457	
NATURAL GAS	2,616	
DISTILLATE OIL	-	
TOTAL (PM2.5)	5,073	**2.54**
SULFUR OXIDES		
ELECTRIC FURNACE	590	
NATURAL GAS	2,616	
DISTILLATE OIL	-	
TOTAL (SO2)	3,206	**1.60**
VOLATILE ORGANIC COMPOUNDS		
ELECTRIC FURNACE	2,948	
NATURAL GAS	6,517	
DISTILLATE OIL	-	
TOTAL (VOC)	9,464	**4.73**

CAA REVIEW

	OK?	Where did emission factor come from?
	OK	8,422 tons of steel were manufactured in 2000
TONS		
75.80	OK	FIRE data downloaded from TTN
0.02	OK	PM10 factor X 0.20% Cr in PM emissions (EPA-450/4-84-007g). Wide range of values found in available data. Source-supplied number is within range, therefore acceptable
0.84	NO	FIRE data downloaded from TTN
1.26	NO	AP-42, Table 12.5-1, EAF, "Controlled by building evacuation to baghouse.."
1.23	NO	PM10 factor X ratio of AP-42 Table 12.5-2 factors for PM2.5 to PM10
0.29	NO	FIRE data downloaded from TTN
1.47	OK	FIRE data downloaded from TTN
	OK	4,947 thousand therms were combusted in 2000.
TONS		
8.32	NO	FIRE data downloaded from TTN
23.78	NO	FIRE data downloaded from TTN
1.31	NO	FIRE data downloaded from TTN
1.31	NO	FIRE data downloaded from TTN
3.26	NO	FIRE data downloaded from TTN
0.14	NO	FIRE data downloaded from TTN
		0 gallons were combusted in 2000
TONS		
0.00	OK	FIRE data downloaded from TTN
0.00		FIRE data downloaded from TTN
0.00		FIRE data downloaded from TTN
0.00		FIRE data downloaded from TTN
0.00		AP-42, Table 1.3-12, with sulfur content 0.5%
0.00		FIRE data downloaded from TTN

PSAPCA SYNTHETIC MINOR

PRODUCTION LIMITS - CARBON MONOXIDE

TENATIVE CAPS = 833 FORGE TONS/MONTH
= 466 M THERMS/MONTH

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	ELECTRIC FURNACE TONS CO	NATURAL GAS 1000'S THERMS	NATURAL GAS TONS CO	DISTILLED OIL GALLONS USED	DISTILLED OIL TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1999	JANUARY	564	7.29	463	0.81	0	0	8.10	57.86
	FEBRUARY	347	5.83	273	0.98	0	0	6.81	54.64
	MARCH	256	5.26	333	0.84	0	0	6.09	51.41
	APRIL	298	3.87	315	0.74	0	0	4.61	50.02
	MAY	121	5.27	322	0.69	0	0	5.96	45.70
	JUNE	176	4.15	222	0.76	0	0	4.91	42.75
	JULY	264	1.48	290	0.59	0	0	2.06	43.56
	AUGUST	491	4.43	287	0.64	0	0	5.07	43.40
	SEPTEMBER	498	3.67	340	0.56	0	0	4.23	44.22
	OCTOBER	441	4.55	409	0.62	0	0	5.16	43.73
	NOVEMBER	740	3.74	432	0.58	0	0	4.31	46.81
	DECEMBER	471	2.27	342	0.51	0	0	2.78	48.85
		4667	51.81	4028	8.32			60.09	

Natural gas usage 668.4615 MMCF

NEI_POLLI	CAS	POLLUTAN	POLLUTAN	FACTOR	UNIT	MEASURE	MATERIAL	ACTION	AP42SECT	NOTES	REF_DESC	QUALITY	Emissions	
91576	91-57-6	2-Methyl Na	55	2.40E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	1.60E-02	
56495	56-49-5	3-Methylch	61	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E-03	less than
83329	83-32-9	Acenaphthe	69	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E-03	
208968	208-96-8	Acenaphthy	70	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E-03	
NH3	7664-41-7	Ammonia	87	3.20E+00	Lb	Million Cub	Natural Gas	Burned			Developme	C	2.14E+03	
120127	120-12-7	Anthracene	91	2.40E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.60E-03	
7440382	7440-38-2	Arsenic	93	2.00E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.34E-01	
	7440-39-3	Barium	96	4.40E-03	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	D	2.94E+00	
71432	71-43-2	Benzene	98	2.10E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	B	1.40E+00	
56553	56-55-3	Benzo (a) a	102	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E-03	
50328	50-32-8	Benzo (a) p	103	1.20E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	8.02E-04	
205992	205-99-2	Benzo (b) fl	104	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E-03	
191242	191-24-2	Benzo (g,h,	106	1.20E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	8.02E-04	
207089	207-08-9	Benzo (k) fl	107	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E-03	
7440417	7440-41-7	Beryllium	119	1.20E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	8.02E-03	
7440439	7440-43-9	Cadmium	130	1.10E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	7.35E-01	
CO2	124-38-9	Carbon dio	136	1.20E+05	Lb	Million Cub	Natural Gas	Burned	1.4	Based on a	EPA. Marc	A	8.02E+07	
CO	630-08-0	Carbon mo	137	8.40E+01	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	B	5.62E+04	
7440473	7440-47-3	Chromium	149	1.40E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	9.36E-01	
218019	218-01-9	Chrysene	153	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E-03	
7440484	7440-48-4	Cobalt	154	8.40E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	5.62E-02	
	7440-50-8	Copper	156	8.50E-04	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	C	5.68E-01	
53703	53-70-3	Dibenzo(a,l	166	1.20E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	8.02E-04	
	25321-22-6	Dichlorober	169	1.20E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	8.02E-01	
57976	57-97-6	Dimethylbe	181	1.60E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.07E-02	
	74-84-0	Ethane	189	3.10E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	2.07E+03	
206440	206-44-0	Fluoranther	204	3.00E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	2.01E-03	
86737	86-73-7	Fluorene	205	2.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.87E-03	
50000	50-00-0	Formaldeh	210	7.50E-02	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	B	5.01E+01	
193395	193-39-5	Indeno(1,2,	237	1.80E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E-03	
7439921	7439-92-1	Lead	250	5.00E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	3.34E-01	
7439965	7439-96-5	Manganese	257	3.80E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	2.54E-01	
7439976	7439-97-6	Mercury	260	2.60E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	1.74E-01	
	74-82-8	Methane	261	2.30E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	B	1.54E+03	
	7439-98-7	Molybdenu	287	1.10E-03	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	D	7.35E-01	
91203	91-20-3	Naphthalen	291	6.10E-04	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	4.08E-01	
	106-97-8	n-Butane	292	2.10E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.40E+03	
110543	110-54-3	N-Hexane	295	1.80E+00	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.20E+03	
7440020	7440-02-0	Nickel	296	2.10E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	C	1.40E+00	
NOX		Nitrogen ox	303	1.00E+02	Lb	Million Cub	Natural Gas	Burned	1.4	Expressed	EPA. 1995	B	6.68E+04	
	10024-97-2	Nitrous oxid	304	2.20E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.47E+03	
	109-66-0	N-Pentane	307	2.60E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.74E+03	
85018	85-01-8	Phenanthre	325	1.70E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	D	1.14E-02	
PM-CON		PM, conder	330	5.70E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	D	3.81E+03	
PM-FIL		PM, filterab	334	1.90E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	B	1.27E+03	
PM-PRI		PM, primar	336	7.60E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	D	5.08E+03	
PM10-FIL		PM10, filter	338	1.90E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	B	1.27E+03	
PM10-PRI		PM10, prim	339	7.60E+00	Lb	Million Cub	Natural Gas	Burned		Sum of PM	This emissi	D	5.08E+03	
PM25-FIL		PM2.5, filte	340	1.90E+00	Lb	Million Cub	Natural Gas	Burned	1.4	All PM (tota	EPA. Marc	B	1.27E+03	
PM25-PRI		PM2.5, prin	341	7.60E+00	Lb	Million Cub	Natural Gas	Burned		Sum of PM	This emissi	D	5.08E+03	
	74-98-6	Propane	351	1.60E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.07E+03	
129000	129-00-0	Pyrene	360	5.00E-06	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	3.34E-03	
7782492	7782-49-2	Selenium	370	2.40E-05	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	E	1.60E-02	
SO2	9/5/46	Sulfur dioxi	380	6.00E-01	Lb	Million Cub	Natural Gas	Burned	1.4	Based on 1	EPA. Marc	A	4.01E+02	
108883	108-88-3	Toluene	397	3.40E-03	Lb	Million Cub	Natural Gas	Burned	1.4	Hazardous	EPA. Marc	C	2.27E+00	
		Total organ	399	1.10E+01	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	B	7.35E+03	
	7440-62-2	Vanadium	413	2.30E-03	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	D	1.54E+00	
VOC		Volatile org	417	5.50E+00	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	C	3.68E+03	
	7440-66-6	Zinc	419	2.90E-02	Lb	Million Cub	Natural Gas	Burned	1.4		EPA. Marc	E	1.94E+01	

Jorgensen Forge Corporation 104(e) Response

Direct Electric Arc Furnace, SCC 3-30-009-04 Primary Metals - Iron & Steel - Steel Furnaces – EAF Alloy Steel

SCC	CAS	POLLUTANT	EFCF	EF UNITS	EF RULE	EF QUALITY	EF DATE	MATERIAL	EF BASIS	NUMERATOR	DENOMINATOR	TYPE	AGE	DEVICE1	DEVICE2	NOTES	CONTROL	REF. PAGE	POLLUTANT	PRIORITY	CRITERIA	HAP?
30300904	630-08-0	Carbon monoxide	000	UNCONTROLLED				1.80E+01	Lb	Tons	Material	Produced	-1	Discrete	-1	0		EPA, September 1985. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fourth Edition with Supplements A, B, and C, AP-42. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards.	CARBON MONOXIDE	3743	C	FS030005727
30300904	7440-47-3	Chromium	000	UNCONTROLLED				1.94E+00	Lb	Tons	Material	Produced	-1	Discrete	-1	0		EPA, 1985. In: Locating and Estimating Air Emissions from Sources of Chromium. EPA-450/4-84-007g. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina.	CHROMIUM	3743	U	FS700001737
30300904	11133-82-0	Chromium (VI) oxide (1:3)	000	UNCONTROLLED				0.00E03 - 4.60E03	Lb	Tons	Material	Produced	-1	Range	-1	0		EPA, July 1983. In: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels in the Steel Industry - Background Information for Proposed Revisions to Standards. EPA-450/3-83-020a. U.S. Environmental Protection Agency, Research Triangle Park, No.	CHROMIUM (VI) OXIDE (1:3)	3743	U	FS230000001
30300904	7440-02-0	Nickel	127	FABRIC FILTER				3.90E-05	Lb	Tons	Material	Produced	-1	Discrete	-1	0		Calculated based on source tests. Lack of Supporting Documentation. EPA, March 1984. In: Locating and Estimating Air Emissions from Sources of Nickel. EPA-450/4-84-007l. U.S. Environmental Protection Agency, Research Triangle Park, North Carolina.	NICKEL	3743	U	FS700005520
30300904	7440-02-0	Nickel	127	FABRIC FILTER				3.90E-05	Lb	Tons	Material	Produced	-1	Discrete	-1	0		Calculated based on source tests. Lack of Supporting Documentation. EPA, March 1984. In: Locating and Estimating Air Emissions from Sources of Nickel. EPA-450/4-84-007l. U.S. Environmental Protection Agency, Research Triangle Park, North Carolina.	NICKEL	3743	U	FS700005521
30300904		Nitrogen oxides (NOx)	000	UNCONTROLLED				2.00E-01	Lb	Tons	Material	Produced	-1	Discrete	-1	0		JACA Corporation. September 1986. In: Listing of Iron and Steel Stack Test Reports, Update. Prepared under EPA Contract No. 68-02-3962. SOx and NOx emission factors based on the average of three emission tests.	NITROGEN OXIDES (NOX)	3743	U	FS030005731
30300904		PM, filterable	000	UNCONTROLLED				1.15E+01	Lb	Tons	Material	Produced	-1	Discrete	-1	0		EPA, September 1985. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fourth Edition with Supplements A, B, and C, AP-42. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards.	PM, FILTERABLE	3743	A	FS030005730
30300904		PM10, filterable	000	UNCONTROLLED				6.55E+00	Lb	Tons	Material	Produced	-1	Discrete	-1	0		EPA, In: PM10 Emission Factor Listing Developed by Technology Transfer. EPA-450/4-88-022. U.S. Environmental Protection Agency.	PM10, FILTERABLE	3743	A	FS030005729
30300904		Sulfur oxides (SOx)	000	UNCONTROLLED				7.00E-02	Lb	Tons	Material	Produced	-1	Discrete	-1	0		JACA Corporation. September 1986. In: Listing of Iron and Steel Stack Test Reports, Update. Prepared under EPA Contract No. 68-02-3962. SOx and NOx emission factors based on the average of three emission tests.	SULFUR OXIDES (SOX)	3743	U	FS030005732
3E+07		Volatile organic compounds (VOC)	000	UNCONTROLLED				1.50E-01	Lb	Tons	Material	Produced	-1	Discrete	-1	0		EPA, September 1985. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fourth Edition with Supplements A, B, and C, AP-42. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards.	VOLATILE ORGANIC COMPOUNDS (VOC)	3743	U	FS030005728

Boiler Natural Gas Combustion, SCC 1-02-006-02 Industrial Boilers - 10-100 MMBtu/hr - Natural Gas

SCC	CAS	POLLUTANT	EFCF	EF UNITS	EF RULE	EF QUALITY	EF DATE	MATERIAL	EF BASIS	NUMERATOR	DENOMINATOR	TYPE	AGE	DEVICE1	DEVICE2	NOTES	CONTROL	REF. PAGE	POLLUTANT	PRIORITY	CRITERIA	HAP?
1E+07	83-32-9	Acenaphthene	000	UNCONTROLLED				<1.80E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	ACENAPHTHENE	161	F	FA100000277
10200602	208-96-8	Acenaphthylene	000	UNCONTROLLED				<1.80E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	ACENAPHTHYLENE	161	E	FB100000285
10200602	7664-41-7	Ammonia	000	UNCONTROLLED				3.20E+00	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		Development and Selection of Ammonia Emission Factors - Final Report. R. Battye, W. Battye, C. Overcash, and S. Fudge; ICF Incorporated; Durham, NC. Report prepared for USEPA Office of Research and Development. August, 1994.	AMMONIA	161	C	FZ230001208
10200602	7664-41-7	Ammonia	157	NONCATALYTIC REFLECTION FOR CATALYTIC REDUCTION				1.80E+1	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		Development and Selection of Ammonia Emission Factors - Final Report. R. Battye, W. Battye, C. Overcash, and S. Fudge; ICF Incorporated; Durham, NC. Report prepared for USEPA Office of Research and Development. August, 1994.	AMMONIA	161	C	FZ230002152
10200602	7664-41-7	Ammonia	139	CATALYTIC REDUCTION				9.10E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		Development and Selection of Ammonia Emission Factors - Final Report. R. Battye, W. Battye, C. Overcash, and S. Fudge; ICF Incorporated; Durham, NC. Report prepared for USEPA Office of Research and Development. August, 1994.	AMMONIA	161	C	FZ230001931
10200602	120-12-7	Anthracene	000	UNCONTROLLED				<2.40E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	ANTHRACENE	161	E	FB100000293
10200602	7440-38-2	Arsenic	000	UNCONTROLLED				2.00E-4	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	ARSENIC	161	E	FB100000445
10200602	7440-39-3	Barium	000	UNCONTROLLED				4.40E-3	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BARIUM	161	D	FB100000453
10200602	71-43-2	Benzene	000	UNCONTROLLED				2.10E-3	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BENZENE	161	B	FB100000369
10200602	56-55-3	Benzo (a) anthracene	000	UNCONTROLLED				<1.80E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BENZO (A) ANTHRACENE	161	E	FB100000301
10200602	50-32-8	Benzo (a) pyrene	000	UNCONTROLLED				<1.200E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BENZO (A) PYRENE	161	F	FB100000317
10200602	205-99-2	Benzo (b) fluoranthene	000	UNCONTROLLED				<1.800E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BENZO (B) FLUORANTHENE	161	F	FB100000325
10200602	191-24-2	Benzo (g,h,i) perylene	000	UNCONTROLLED				<1.200E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BENZO (G,H,I) PERYLENE	161	E	FB100000333
10200602	207-08-9	Benzo (k) fluoranthene	000	UNCONTROLLED				<1.800E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BENZO (K) FLUORANTHENE	161	E	FB100000583
10200602	7440-41-7	Beryllium	000	UNCONTROLLED				<1.200E-5	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BERYLLIUM	161	F	FB100000460
10200602	106-97-8	n-Butane	000	UNCONTROLLED				2.10E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	BUTANE N-	161	E	FB100000340
10200602	7440-43-9	Cadmium	000	UNCONTROLLED				1.100E-3	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	CADMIUM	161	D	FB100000468
10200602	124-38-9	Carbon dioxide	000	UNCONTROLLED				1.200E5	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		Based on approximately 100% conversion of fuel carbon to CO2. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	CARBON DIOXIDE	161	A	FB100000169
10200602	630-08-0	Carbon monoxide	000	UNCONTROLLED				8.40E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	CARBON MONOXIDE	161	B	FB100000125
10200602	630-08-0	Carbon monoxide	205	LOW NOX BURNERS				8.40E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	CARBON MONOXIDE	161	B	FB100000134
10200602	630-08-0	Carbon monoxide	205	LOW NOX BURNERS	026	E GAS		8.40E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	CARBON MONOXIDE	161	B	FB100000141
10200602	7440-47-3	Chromium	000	UNCONTROLLED				1.40E-3	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	CHROMIUM	161	D	FB100000476
10200602	218-01-9	Chrysene	000	UNCONTROLLED				<1.800E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	CHRYSENE	161	E	FB100000349
10200602	7440-48-4	Cobalt	000	UNCONTROLLED				8.40E-5	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	COBALT	161	D	FB100000484
10200602	7440-50-8	Copper	000	UNCONTROLLED				8.50E-4	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	COPPER	161	C	FB100000492
10200602	53-70-3	Dibenz(a,h) anthracene	000	UNCONTROLLED				<1.200E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	DIBENZO(A,H) ANTHRACENE	161	F	FB100000567
10200602	25321-22-6	Dichlorobenzene, mixed isomers	000	UNCONTROLLED				1.200E-3	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	DICHLOROBENZENE, MIXED ISOMERS	161	E	FB100000365
10200602	57-97-6	Dimethylbenz(a)anthracene	000	UNCONTROLLED				<1.800E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	DIMETHYLBENZ(A)AN THRACENE	161	F	FB100000221
10200602	74-84-0	Ethane	000	UNCONTROLLED				3.100E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	ETHANE	161	F	FB100000373
10200602	206-44-0	Fluoranthene	000	UNCONTROLLED				3.000E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	FLUORANTHENE	161	E	FB100000381
10200602	86-73-7	Fluorene	000	UNCONTROLLED				2.800E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	FLUORENE	161	E	FB100000389
10200602	50-00-0	Formaldehyde	000	UNCONTROLLED				7.500E-2	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	FORMALDEHYDE	161	B	FB100000397
10200602	193-39-5	Indeno(1,2,3-cd)pyrene	000	UNCONTROLLED				<1.800E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	INDENO(1,2,3-CD)PYRENE	161	F	FB100000415
10200602	7439-92-1	Lead	000	UNCONTROLLED				5.000E-4	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	LEAD	161	D	FB100000201
10200602	7439-96-5	Manganese	000	UNCONTROLLED				3.800E-4	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	MANGANESE	161	D	FB100000500
10200602	7439-97-6	Mercury	000	UNCONTROLLED				2.600E-4	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	MERCURY	161	D	FB100000507
10200602	74-82-8	Methane	000	UNCONTROLLED				2.300E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	METHANE	161	R	FB100000337
10200602	91-57-6	2-Methyl Naphthalene	000	UNCONTROLLED				2.400E-5	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	METHYL NAPHTHALENE 2-	161	D	FB100000253
10200602	56-49-5	3-Methylcholanthrene	000	UNCONTROLLED				<1.800E-6	Lb	Cubic Feet	Natural Gas	Burned	-1	Less Then	0	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	METHYLCHOLANTHR ENE	161	F	FB100000261
10200602	7439-98-7	Molybdenum	000	UNCONTROLLED				1.100E-3	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	MOLYBDENUM	161	D	FB100000515
10200602	91-20-3	Naphthalene	000	UNCONTROLLED				6.100E-4	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	NAPHTHALENE	161	E	FB100000421
10200602	110-54-3	N-Hexane	000	UNCONTROLLED				1.800E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	N-HEXANE	161	E	FB100000405
10200602	7440-02-0	Nickel	000	UNCONTROLLED				2.100E-3	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act . EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	NICKEL	161	C	FB100000523
10200602		Nitrogen oxides (NOx)	000	UNCONTROLLED				1.000E2	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		Expressed as NO2. EPA, 1995. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42 , U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards.	NITROGEN OXIDES (NOX)	161	R	FA200001488
10200602		Nitrogen oxides (NOx)	205	LOW NOX BURNERS				5.000E1	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		small wall-fired boilers with SNCR control, assts a 24% reduction to the. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	NITROGEN OXIDES (NOX)	161	B	FB100000158
10200602		Nitrogen oxides (NOx)	205	LOW NOX BURNERS	026	E GAS		3.200E1	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		small wall-fired boilers with SNCR control, assts a 34% reduction to the. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	NITROGEN OXIDES (NOX)	161	C	FB100000161
10200602	10024-97-2	Nitrous oxide	000	UNCONTROLLED				7.200E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	NITROUS OXIDE	161	F	FB100000185
10200602	10024-97-2	Nitrous oxide	205	LOW NOX BURNERS				6.400E-1	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	NITROUS OXIDE	161	E	FB100000193
10200602	109-66-0	N-Pentane	000	UNCONTROLLED				2.600E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	N-PENTANE	161	E	FB100000429
10200602	85-01-8	Phenanthrene	000	UNCONTROLLED				1.700E-5	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		defined by Section 11(2)b) of the Clean Air Act , HAP because it is Polycyclic. EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	PHENANTHRENE	161	D	FB100000437
10200602		PM , condensable	000	UNCONTROLLED				4.700E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	PM , CONDENSABLE	161	D	FB100000359
10200602		PM, filterable	000	UNCONTROLLED				1.900E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	PM, FILTERABLE	161	B	FB100000217
10200602		PM, primary	000	UNCONTROLLED				7.600E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		EPA, March, 1998. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement D., U.S. Environmental Protection Agency, Office of Air Quality Plan	PM, PRIMARY	161	D	FB100000177
10200602		PM2.5, primary	000	UNCONTROLLED				7.600E0	Lb	Cubic Feet	Natural Gas	Burned	-1	Discrete	-1	0		Sum of PM25-FIL and PM-CON emissi. EPA, 1995. Section 1.4, Natural Gas Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42 , U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards.	PM10, PRIMARY	161	D	FA200000588
10200602	74-98-6	Propane	000	UNCONTROLLED				1.600E0	Lb	Cubic Feet

10200501		PM2.5, primary	000	UNCONTROLLED			7.50E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0	0		derived: 12%.xl	EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	PM2.5, PRIMARY	146	F	F6200000307
10200501		Polycyclic organic matter (POM)	000	UNCONTROLLED			3.30E-03	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0	0	Particulate POM only. Corrected in Suco A.		EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	ORGANIC MATTER (POM)	146	E	F5700005271
10200501	7782-49-2	Selenium	000	UNCONTROLLED			1.50E-05	Lb	Million Btus	Heat	Input	0	Discrete	0	0			EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	SELENIUM	146	F	F6200000363
10200501	7446-09-5	Sulfur dioxide	000	UNCONTROLLED			Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0	0	EF provided by the weight percent sulfur.	1.42E2*S	EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	SULFUR DIOXIDE	146	A	F6200001746
10200501	7446-09-5	Sulfur dioxide	205	LOW NOX BURNERS	026	E GAS	Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0	0	EF provided by the weight percent sulfur (S).	1.42E2*S	EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	SULFUR DIOXIDE	146	A	F6200000155
10200501		Sulfur oxides (SOx)	000	UNCONTROLLED			Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0	0	the weight percent sulfur content of the fuel to obtain emission factor in	(% Sulfur Content)	EPA, 1995. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. Res	SULFUR OXIDES (SOX)	146	A	F5C00003422
10200501	7446-11-9	Sulfur trioxide	000	UNCONTROLLED			Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0	0	EF provided by the weight percent sulfur.	Sulfur Content)	EPA, 1995. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. Res	SULFUR TRIOXIDE	146	A	F5C00001757
10200501	7446-11-9	Sulfur trioxide	000	UNCONTROLLED			Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0	0	EF provided by the weight percent sulfur (S).	4.76*S	EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	SULFUR TRIOXIDE	146	C	F6200000141
10200501	7446-11-9	Sulfur trioxide	205	LOW NOX BURNERS	026	E GAS	Formula	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Formula	0	0	EF provided by the weight percent sulfur (S).	5.76*S	EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	SULFUR TRIOXIDE	146	A	F6200000157
10200501		Total non-methane organic compounds (TNMOC)	000	UNCONTROLLED			2.00E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0	0	can increase by several orders of magnitude if the boiler is improperly		EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	ORGANIC COMPOUNDS	146	A	F6200000196
10200501		Total organic compounds (TOC)	000	UNCONTROLLED			2.52E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0	0	can increase by several orders of magnitude if the boiler is improperly		EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	TOTAL ORGANIC COMPOUNDS (TOC)	146	A	F5C00001788
10200501		Volatile organic compounds (VOC)	000	UNCONTROLLED			2.00E-01	Lb	1000 Gallons	Oil (No. 1 & 2)	Burned	-1	Discrete	0	0	can increase by several orders of magnitude if the boiler is improperly		EPA, 1995. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. Res	VOLATILE ORGANIC COMPOUNDS (VOC)	146	A	F5C00001792
10200501	7440-66-6	Zinc	000	UNCONTROLLED			4.00E-06	Lb	Million Btus	Heat	Input	0	Discrete	0	0			EPA, September, 1998. Section 1.3, Fuel Oil Combustion. In: Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition, AP-42, Supplement E. U.S. Environmental Protection Agency, Office of Air Quality Pla	ZINC	146	E	F6200000367

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03/01/1998

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09/01/1998	
	09/01/1998
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09/01/1998	
09/01/1998	
	09/01/1998
09/01/1998	

2006 EMISSION REPORT CALCULATIONS

Revised Factors 5/07

ELECTRIC FURNACE PRODUCTION 13,407 TONS PRODUCED

			LBS	TONS	Emission Factor Source
CARBON MONOXIDE	TONS	2.91000	39,014	19.51	PSCAA NOC 9435
CHROMIUM COMPOUNDS		0.00372	50	0.02	PM10 factor X 0.20% Cr in PM emissions (EPA-450/4-84-007g). Wide range of values found in available data. Source-supplied number is within range, therefore acceptable
NITROGEN OXIDES	PRODUCED	0.44000	5,899	2.95	PSCAA NOC 9435
PARTICULATE MATTER (PM10)	X	0.30000	4,022	2.01	AP-42, Table 12.5-1, EAF, "Controlled by building evacuation to baghouse.."
PARTICULATE MATTER (PM2.5)	FACTOR	0.29174	3,911	1.96	PM10 factor X ratio of AP-42 Table 12.5-2 factors for PM2.5 to PM10
SULFUR OXIDES		0.07000	938	0.47	FIRE data downloaded from TTN
VOLATILE ORGANIC COMPOUNDS		0.35000	4,692	2.35	FIRE data downloaded from TTN
LEAD		0.03200	429	0.21	AP-42, Table 12.5.1-7, EAF, "Controlled by building evacuation to baghouse w/o O2 ."
FLUORIDE		0.07500	1,006	0.50	AP-42, Table 12.5.1-9, EAF, "Controlled by building evacuation to baghouse."
BERYLLIUM		7.400E-08	9.921E-04	0.00	AP-42, Table 12.5.1-9, EAF, "Controlled by building evacuation to baghouse."

NATURAL GAS 6,952,000 THERMS
6.95E+11 Btu
668 million ft3

	MILL. FT3	Factor	LBS	TONS	
CARBON MONOXIDE	668	26.416	17658	8.83	PSCAA NOC 9435
NITROGEN OXIDES	668	122.512	81895	40.95	PSCAA NOC 9435
PARTICULATE MATTER (PM10)	668	7.600	5080	2.54	FIRE data downloaded from TTN
PARTICULATE MATTER (PM2.5)	668	7.600	5080	2.54	FIRE data downloaded from TTN
SULFUR OXIDES	668	0.60	401	0.20	FIRE data downloaded from TTN
VOLATILE ORGANIC COMPOUNDS	668	5.50	3677	1.84	FIRE data downloaded from TTN
AMMONIA(NH3)	668	3.20	2139	1.07	FIRE data downloaded from TTN

DISTALLATE OIL COMBUSTION 0 Gallons
0 Thousand gallons

			LBS	TONS	
CARBON MONOXIDE	GALLONS	5.0000	-	0.00	FIRE data downloaded from TTN
NITROGEN OXIDES	USED	20.0000	-	0.00	FIRE data downloaded from TTN
PARTICULATE MATTER (PM10)	X	1.0000	-	0.00	FIRE data downloaded from TTN
PARTICULATE MATTER (PM2.5)	FACTOR	2.50E-01	-	0.00	FIRE data downloaded from TTN
SULFUR OXIDES		0.0710	-	0.00	AP-42, Table 1.3-12, with sulfur content 0.5%
VOLATILE ORGANIC COMPOUNDS		0.2000	-	0.00	FIRE data downloaded from TTN

	LBS	TONS
CARBON MONOXIDE		

ELECTRIC FURNACE	39,014	
NATURAL GAS	17,658	
DISTILLATE OIL	-	
TOTAL (CO)	56,672	**28.34**
NITROGEN OXIDES		
ELECTRIC FURNACE	5,899	
NATURAL GAS	81,895	
DISTILLATE OIL	-	
TOTAL (NO2)	87,794	**43.90**
PARTICULATE MATTER (PM10)		
ELECTRIC FURNACE	4,022	
NATURAL GAS	5,080	
DISTILLATE OIL	-	
TOTAL (PM10)	9,102	**4.55**
PARTICULATE MATTER (PM2.5)		
ELECTRIC FURNACE	3,911	
NATURAL GAS	5,080	
DISTILLATE OIL	-	
TOTAL (PM2.5)	8,992	**4.50**
SULFUR OXIDES		
ELECTRIC FURNACE	938	
NATURAL GAS	401	
DISTILLATE OIL	-	
TOTAL (SO2)	1,340	**0.67**
VOLATILE ORGANIC COMPOUNDS		
ELECTRIC FURNACE	4,692	
NATURAL GAS	3,677	
DISTILLATE OIL	-	
TOTAL (VOC)	8,369	**4.18**
LEAD	429	
FLUORIDE	1,006	
BERYLLIUM	0	

2001 EMISSION REPORT CALCULATIONS FOR I

ELECTRIC FURNACE PRODUCTION	6207	TONS PRODUCED	
			LBS
CARBON MONOXIDE	TONS	18.00000	111726
CHROMIUM COMPOUNDS		0.00372	23
NITROGEN OXIDES	PRODUCED	0.10000	621
PARTICULATE MATTER (PM10)	X	0.12300	763
SULFUR OXIDES	FACTOR	0.70000	4345
VOLATILE ORGANIC COMPOUNDS		0.35000	2172

NATURAL GAS	4286	THERMS	
			LBS
CARBON MONOXIDE	THERMS	3.4	14572
NITROGEN OXIDES	USED	13.6	58290
PARTICULATE MATTER (PM10)	X	0.00024	1
SULFUR OXIDES	FACTOR	0.058	249
VOLATILE ORGANIC COMPOUNDS		0.272	1166

DISTALLATE OIL COMBUSTION	0	GALLONS	
			LBS
CARBON MONOXIDE	GALLONS	0.0050	0
NITROGEN OXIDES	USED	0.0200	0
PARTICULATE MATTER (PM10)	X	0.0010	0
SULFUR OXIDES	FACTOR	0.0710	0
VOLATILE ORGANIC COMPOUNDS		0.0002	0

	LBS	TONS
CARBON MONOXIDE		
ELECTRIC FURNACE	111726	
NATURAL GAS	14572	
DISTILLATE OIL	0	
TOTAL (CO)	126298	**63.15**
NITROGEN OXIDES		
ELECTRIC FURNACE	621	
NATURAL GAS	58290	
DISTILLATE OIL	0	
TOTAL (NO2)	58910	**29.46**
PARTICULATE MATTER (PM10)		
ELECTRIC FURNACE	763	
NATURAL GAS	1	
DISTILLATE OIL	0	
TOTAL (PM10)	764	**0.38**

SULFUR OXIDES		
ELECTRIC FURNACE	4345	
NATURAL GAS	249	
DISTILLATE OIL	0	
TOTAL (SO2)	4593	**2.30**
VOLATILE ORGANIC COMPOUNDS		
ELECTRIC FURNACE	2172	
NATURAL GAS	1166	
DISTILLATE OIL	0	
TOTAL (VOC)	**3338**	**1.67**

PSCAA REVIEW

TONS
55.86
0.01
0.31
0.38
2.17
1.09

TONS
7.29
29.14
0.00
0.12
0.58

TONS
0.00
0.00
0.00
0.00
0.00

2000 EMISSION REPORT CALCULATIONS FOR PS

ELECTRIC FURNACE PRODUCTION	8,422	TONS PRODUCED	
			LBS
CARBON MONOXIDE	TONS	18.00000	151,596
CHROMIUM COMPOUNDS		0.00372	31
NITROGEN OXIDES	PRODUCED	0.20000	1,684
PARTICULATE MATTER (PM10)	X	0.30000	2,527
PARTICULATE MATTER (PM2.5)	FACTOR	0.29174	2,457
SULFUR OXIDES		0.07000	590
VOLATILE ORGANIC COMPOUNDS		0.35000	2,948

NATURAL GAS	4,947,000	THERMS	
	4.95E+11	Btu	
	476	million ft3	
			LBS
CARBON MONOXIDE	THERMS	35	16,649
NITROGEN OXIDES	USED	100	47,567
PARTICULATE MATTER (PM10)	X	5.5	2,616
PARTICULATE MATTER (PM2.5)	FACTOR	5.5	2,616
SULFUR OXIDES		13.7	6,517
VOLATILE ORGANIC COMPOUNDS		0.6	285

DISTALLATE OIL COMBUSTION	0	Gallons	
	0	Thousand gallons	
			LBS
CARBON MONOXIDE	GALLONS	5.0000	-
NITROGEN OXIDES	USED	20.0000	-
PARTICULATE MATTER (PM10)	X	1.0000	-
PARTICULATE MATTER (PM2.5)	FACTOR	2.50E-01	-
SULFUR OXIDES		0.0710	-
VOLATILE ORGANIC COMPOUNDS		0.2000	-

	LBS	TONS
CARBON MONOXIDE		
ELECTRIC FURNACE	151,596	
NATURAL GAS	16,649	
DISTILLATE OIL	-	
TOTAL (CO)	168,245	**84.12**
NITROGEN OXIDES		
ELECTRIC FURNACE	1,684	
NATURAL GAS	47,567	
DISTILLATE OIL	-	

TOTAL (NO2)	49,252	**24.63**
PARTICULATE MATTER (PM10)		
ELECTRIC FURNACE	2,527	
NATURAL GAS	2,616	
DISTILLATE OIL	-	
TOTAL (PM10)	5,143	**2.57**
PARTICULATE MATTER (PM2.5)		
ELECTRIC FURNACE	2,457	
NATURAL GAS	2,616	
DISTILLATE OIL	-	
TOTAL (PM2.5)	5,073	**2.54**
SULFUR OXIDES		
ELECTRIC FURNACE	590	
NATURAL GAS	2,616	
DISTILLATE OIL	-	
TOTAL (SO2)	3,206	**1.60**
VOLATILE ORGANIC COMPOUNDS		
ELECTRIC FURNACE	2,948	
NATURAL GAS	6,517	
DISTILLATE OIL	-	
TOTAL (VOC)	9,464	**4.73**

CAA REVIEW

	OK?	Where did emission factor come from?
	OK	8,422 tons of steel were manufactured in 2000
TONS		
75.80	OK	FIRE data downloaded from TTN
0.02	OK	PM10 factor X 0.20% Cr in PM emissions (EPA-450/4-84-007g). Wide range of values found in available data. Source-supplied number is within range, therefore acceptable
0.84	NO	FIRE data downloaded from TTN
1.26	NO	AP-42, Table 12.5-1, EAF, "Controlled by building evacuation to baghouse.."
1.23	NO	PM10 factor X ratio of AP-42 Table 12.5-2 factors for PM2.5 to PM10
0.29	NO	FIRE data downloaded from TTN
1.47	OK	FIRE data downloaded from TTN
	OK	4,947 thousand therms were combusted in 2000.
TONS		
8.32	NO	FIRE data downloaded from TTN
23.78	NO	FIRE data downloaded from TTN
1.31	NO	FIRE data downloaded from TTN
1.31	NO	FIRE data downloaded from TTN
3.26	NO	FIRE data downloaded from TTN
0.14	NO	FIRE data downloaded from TTN
		0 gallons were combusted in 2000
TONS		
0.00	OK	FIRE data downloaded from TTN
0.00		FIRE data downloaded from TTN
0.00		FIRE data downloaded from TTN
0.00		FIRE data downloaded from TTN
0.00		AP-42, Table 1.3-12, with sulfur content 0.5%
0.00		FIRE data downloaded from TTN

PSAPCA SYNTHETIC MINOR

PRODUCTION LIMITS - CARBON MONOXIDE

TENATIVE CAPS = 833 FORGE TONS/MONTH
= 466 M THERMS/MONTH

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	ELECTRIC FURNACE TONS CO	NATURAL GAS 1000'S THERMS	NATURAL GAS TONS CO	DISTILLED OIL GALLONS USED	DISTILLED OIL TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1999	JANUARY	564	7.29	463	0.81	0	0	8.10	57.86
	FEBRUARY	347	5.83	273	0.98	0	0	6.81	54.64
	MARCH	256	5.26	333	0.84	0	0	6.09	51.41
	APRIL	298	3.87	315	0.74	0	0	4.61	50.02
	MAY	121	5.27	322	0.69	0	0	5.96	45.70
	JUNE	176	4.15	222	0.76	0	0	4.91	42.75
	JULY	264	1.48	290	0.59	0	0	2.06	43.56
	AUGUST	491	4.43	287	0.64	0	0	5.07	43.40
	SEPTEMBER	498	3.67	340	0.56	0	0	4.23	44.22
	OCTOBER	441	4.55	409	0.62	0	0	5.16	43.73
	NOVEMBER	740	3.74	432	0.58	0	0	4.31	46.81
	DECEMBER	471	2.27	342	0.51	0	0	2.78	48.85
		4667	51.81	4028	8.32			60.09	

CH2M HILL
1100 112th Ave N.E.,
Suite 400
Bellevue, WA
98004
Tel 425-453.5000

Contract Amendment 01

Environmental Reports for the Jorgensen Forge

Project Number: 335263 **Project Manager:** Mary Beth Yansura/SEA

Original Contract Date: 9/26/05 **Client:** Jorgensen Forge

Project Name: Air Quality Operating Permit **Amendment Date:** January 29, 2007

Amendment 01 Additional Authorization:

The following modifications to the contract are hereby requested:

1. **SCOPE**: Scope is revised to include on-call environmental support services, including reviewing, auditing, and assisting in the preparation of required environmental reports. These reports may include:
   a. **Toxic Release Inventory, TRI**
   b. **Community Right to Know, SARA Tier II**
   c. **Storm Water Discharge**
   d. **Dangerous Waste Report**
2. **COMPENSATION**: This amendment will be on a time and materials basis, not to exceed total contract amount of $30,000 without prior written authorization of Jorgensen Forge. These services will be completed by July 31, 2007.

Original Contract Limit	$20,000
Amendment 01	**$10,000**
New Authorized Amount	**$30,000**

3. All other terms of the agreement shall remain unchanged and in full force and effect.

CH2M HILL, INC	JORGENSEN FORGE
By:	By:
Name: Robert F. Martin	Name:
Title: Designated Manager	Title:
Date: January 29, 2007	Date:

CH2M HILL
1100 112th Ave N.E,
Suite 400
Bellevue, WA 98004
Tel 425.453.5000
Fax 425.468.3100

December 23, 2008

Ron Altier
Vice President Administration
Jorgensen Forge Corporation
8531 East Marginal Way South
Seattle, WA 98108

Subject: Letter Proposal – NESHAP EAF Compliance and Title V Permit

Dear Mr. Altier:

At your request, CH2M HILL is pleased to submit this letter proposal to provide air quality technical and permitting services to assist Jorgensen Forge in complying with the National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities (NESHAP EAF) and applying for an air operating permit. CH2M HILL has the resources and expertise to provide the assistance and procure the required permit application in a timely manner.

Background

A preliminary analysis of the NESHAP EAF (40 CFR 63 Subpart YYYYY) suggests that Jorgensen Forge is subject to the rule and likely should have notified EPA and the Puget Sound Clean Air Agency (PSCAA) of its compliance status on June 30, 2008. The rule establishes requirements for contaminants in scrap metal (including mercury), particulate emissions from an EAF, and opacity requirements. The rule also requires owners of an EAF to obtain a Title V air operating permit.

Scope of Work

Technical Approach

CH2M HILL proposes to use the following approach to assist Jorgensen Forge in complying with the EAF NESHAP and securing the necessary air permits from PSCAA:

1) Perform a comprehensive review of the NESHAP EAF.

2) Prepare a summary of the rule and a determination of applicability. If CH2M HILL determines that the rule applies to Jorgensen Forge, CH2M HILL will prepare a schedule of compliance dates and present possible compliance options.

3) Set up and attend a meeting with PSCAA to discuss applicability of and compliance with the NESHAP EAF and a possible path forward.

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4) If it is determined that Subpart YYYYY applies to Jorgensen Forge, with Jorgensen Forge's approval, CH2M HILL will perform the following:
   a) Draft a compliance schedule for Jorgensen Forge to review and submit to PSCAA.
   b) Assist Jorgensen Forge in developing the required operation and maintenance plans.
   c) Prepare a Title V application for Jorgensen to review and submit to PSCAA.

Assumptions

- Jorgensen Forge will provide CH2M HILL with the necessary process data, production throughputs, drawings, and recent emissions data. CH2M HILL will reasonably rely upon the accuracy, timeliness, and completeness of this data.
- Jorgensen Forge will participate in the review and approval of the subject air permit application prior to agency submittal.
- Jorgensen Forge will be responsible for submitting the permit to PSCAA, including the necessary fees.
- PSCAA will have few comments prior to issuing a draft approval. Should Jorgenson Forge require more than 20 hours of Jay Willenberg's time to assist with negotiation of permit conditions, a scope and cost amendment will be submitted for Jorgensen Forge approval.

Deliverables

- A summary of the NESHAP EAF and a determination of applicability.
- Compliance schedule.
- One (1) draft and one (1) final Title V air operating permit application including agency required forms to support application submittals for approval.

Staff

Jay Willenberg will be the primary point of contact for CH2M HILL.

Louise Brown and Debbie Seibold will assist with the project.

Other CH2M HILL staff will be used for data entry, senior review, clerical support, and similar functions.

Schedule

We understand that Jorgensen Forge wishes to meet with PSCAA as soon as possible. CH2M HILL will start on this project within two working days of contract approval. We expect to have a summary of the rule and meet with Jorgensen Forge and PSCAA within a week of contract approval. If a Title V permit application is necessary, we expect to have the first draft to Jorgensen Forge within 60 days after the meeting with PSCAA.

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Cost and Terms

CH2M HILL proposes to conduct this work on a time and materials basis under our Standard Agreement for Professional Services for a total price not-to-exceed $31,000 unless authorized by Jorgensen Forge.

The price reflects the assumptions provided in this proposal, our understanding of Jorgensen Forge's expectations, and CH2MHILL's previous experience in delivering work for other clients in the Northwest.

Change Management

CH2M HILL will monitor progress of this project, especially as it relates to the original Scope of Work (SOW) and schedule. Changes in project assumptions, deliverables, and/or schedule will be discussed and documented with Jorgensen Forge. If agreement between CH2M HILL and Jorgensen Forge is reached regarding such changes this will be documented and submitted to Jorgensen Forge for their approval prior to commencing new scope activities. The original SOW and cost estimate may be revised and forwarded to Jorgensen Forge for review and approval if changes are of a significant magnitude and not within the intent of the original SOW.

We have attached two copies of our Standard Agreement for your review. If you approve of both the scope of work and the proposed terms and conditions, please sign both copies and return them to me at our Bellevue address**.** Upon receipt of the signed agreement, we will countersign and send one fully executed copy with original signatures to you for your files. After your review, please sign both copies and return one fully executed copy to me at your earliest convenience.

We appreciate the opportunity to provide professional permitting services for Jorgensen Forge. Please contact Jay Willenberg at (425)-233-3532 if you have questions.

Sincerely,

CH2M HILL

Jay M. Willenberg, P.E.
Senior Air Quality Engineer

Mary Beth Baxter
Operations Leader, ISBG

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CH2MHILL

STANDARD AGREEMENT FOR PROFESSIONAL SERVICES

CH2M HILL'S OFFICE ADDRESS: 1100 112th Avenue NE, Suite 400, Bellevue, WA 98004

CH2M HILL'S PROJECT NO.:

PROJECT NAME: Jorgensen Forge Air Quality Permitting Services

CLIENT: Jorgensen Forge Corporation

CLIENT'S ADDRESS: 8531 East Marginal Way South, Seattle, WA 98108

CLIENT requests and authorizes CH2M HILL, INC. (hereinafter "CH2M HILL") to perform the following Services:

Scope of Services

To provide air quality permitting services at Jorgensen Forge's Seattle facility (see attached proposal).

Compensation

Compensation by CLIENT to CH2M HILL will be on a time and materials basis not to exceed $31,000 without prior written authorization from Jorgensen Forge Corporation. CH2M HILL labor will be billed at salary cost times a multiplier of 2.0.

Other Terms

Services covered by this AGREEMENT will be performed in accordance with the Provisions and any attachments or schedules. This AGREEMENT supersedes all prior agreements and understandings and may only be changed by written amendment executed by both parties.

CLIENT:		**CH2M HILL, INC.:**	
Signature		Signature	Mary B Baxter
Name (printed)		Name (printed)	Mary Beth Baxter
Title		Title	Operations Leader, ISBG
Date		Date	December 23, 2008

PROVISIONS

1. Authorization to Proceed

Execution of this AGREEMENT by CLIENT will be authorization for CH2M HILL to proceed with the Services, unless otherwise provided for in this AGREEMENT.

2. Salary Costs

CH2M HILL's and its affiliated companies' Salary Costs, when the basis of compensation, are the amount of wages or salaries paid CH2M HILL employees for work directly performed on the Project plus a percentage applied to all such wages or salaries to cover all payroll-related taxes, payments, premiums, and benefits.

3. Per Diem Rates

CH2M HILL's and its affiliated companies' Per Diem Rates, when the basis of compensation, are those hourly or daily rates charged for work performed on the Project by CH2M HILL employees. These rates are contained in the COMPENSATION section on Page 1 and are subject to a 4% annual calendar year escalation/adjustment.

4. Subcontracts and Direct Expenses

When Services are performed on a cost reimbursement basis, a markup of 5 percent will be applied to subcontracts and outside services and a markup of 0 percent will be applied to Direct Expenses. For purposes of this AGREEMENT, Direct Expenses are defined to include those necessary costs and charges incurred for the Project including, but not limited to: (1) the direct costs of transportation, meals, lodging, shipping, equipment and supplies; (2) CH2M HILL's current standard rate charges for direct use of CH2M HILL's vehicles, laboratory test and analysis, and certain field equipment; and (3) CH2M HILL's standard project charges for computing systems, and health and safety requirements of OSHA.

All sales, use, value added, business transfer, gross receipts, or other similar taxes will be added to CH2M HILL's compensation when invoicing CLIENT.

5. Cost Opinions

Any cost opinions or Project economic evaluations provided by CH2M HILL will be on a basis of experience and judgment, but, since CH2M HILL has no control over market conditions or bidding procedures, CH2M HILL cannot warrant that bids, ultimate construction cost, or Project economics will not vary from these opinions.

6. Standard of Care

The standard of care applicable to CH2M HILL's services will be the degree of skill and diligence normally employed by professional engineers or consultants performing the same or similar services at the time CH2M HILL's services are performed. CH2M HILL will re-perform any services not meeting this standard without additional compensation.

7. Termination

This AGREEMENT may be terminated for convenience on 30 days written notice or if either party fails substantially to perform through no fault of the other and does not commence correction of such nonperformance within 5 days of written notice and diligently complete the correction thereafter. On termination, CH2M HILL will be paid for all authorized work performed up to the termination date plus termination expenses, such as, but not limited to, reassignment of personnel, subcontract termination costs, and related closeout costs.

8. Payment to CH2M HILL

Monthly invoices will be issued by CH2M HILL for all Services performed under this AGREEMENT. CLIENT shall pay each invoice within 30 days. Interest at a rate of 1-1/2 percent per month will be charged on all past-due amounts.

In the event of a disputed billing, only that disputed portion will be withheld from payment, and the undisputed portion will be paid. CLIENT will exercise reasonableness in disputing any bill or portion thereof. No interest will accrue on any disputed portion of the billing until mutually resolved.

9. Limitation of Liability

CH2M HILL's liability for CLIENT's damages will, in the aggregate, not exceed fee or $100,000, whichever is less. This Provision takes precedence over any conflicting Provision of this AGREEMENT or any document incorporated into it or referenced by it.

In no event shall CH2M HILL, its affiliated corporations, officers, employees, or any of its subcontractors be liable for any incidental, indirect, special, punitive, economic or consequential damages, including but not limited to loss of revenue or profits, suffered or incurred by CLIENT or any of its agents, including other contractors engaged at the project site, as a result of this Agreement or CH2M HILL's performance or non-performance of services pursuant to this Agreement.

Limitations of liability provided herein will apply whether CH2M HILL's liability arises under breach of contract or warranty; tort, including negligence; strict liability; statutory liability; or any other cause of action, and shall include CH2M HILL's officers, affiliated corporations, employees, and subcontractors.

10. Severability and Survival

If any of the provisions contained in this AGREEMENT are held illegal, invalid or unenforceable, the other provisions shall remain in full effect. Limitations of liability shall survive termination of this AGREEMENT for any cause.

11. No Third Party Beneficiaries

This AGREEMENT gives no rights or benefits to anyone other than CLIENT and CH2M HILL and has no third party beneficiaries except as provided in Provision 10.

12. Materials and Samples

Any items, substances, materials, or samples removed from the Project site for testing, analysis, or other evaluation will be returned to the Project site unless agreed to otherwise. CLIENT recognizes and agrees that CH2M HILL is acting as a bailee and at no time assumes title to said items, substances, materials, or samples. CLIENT recognizes that CH2M HILL assumes no risk and/or liability for a waste or hazardous waste site originated by other than CH2M HILL.

13. Assignments

Neither party shall have the power to or will assign any of the duties or rights or any claim arising out of or related to this AGREEMENT, whether arising in tort, contract or otherwise, without the written consent of the other party. Any unauthorized assignment is void and unenforceable.

14. Integration

This AGREEMENT incorporates all previous communications and negotiations and constitutes the entire agreement of the parties. If CLIENT issues a Purchase Order in conjunction with performance of the Services, general or standard terms and conditions on the Purchase Order do not apply to this AGREEMENT.

15. Force Majeure

If performance of the Services is affected by causes beyond CH2M HILL's reasonable control, project schedule and compensation shall be equitably adjusted.

16. Dispute Resolution

The parties will use their best efforts to resolve amicably any dispute, including use of alternative dispute resolution options.

17. Changes

CLIENT may make or approve changes within the general Scope of Services in this AGREEMENT. If such changes affect CH2M HILL's cost of or time required for performance of the services, an equitable adjustment will be made through an amendment to this AGREEMENT.

CH2MHILL

STANDARD AGREEMENT FOR PROFESSIONAL SERVICES

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JORGENSEN FORGE CORPORATION

ALUMINUM – TITANIUM – SPECIALTY STEELS

8531 EAST MARGINAL WAY SOUTH
SEATTLE, WASHINGTON 98108

PHONE (206) 762-1100 FAX (206) 763-0848

May 14, 2008

Brian Renninger
Reviewing Engineer
Puget Sound Clean Air Agency
1904 3rd Avenue, suite #105
Seattle, WA 98101-3317

Re: Notice of Construction #9685 for Jorgensen Forge/Registration #13460

Dear Brian:

This letter is to provide you with information concerning the new forge furnace installation provided for in the ~~notice~~ Notice of C~~c~~onstruction #9685. Since the furnace installation was completed on October 25th, 2007, the furnace never went into production operation until May 9, 2008. During this period we have had extreme difficulty getting the furnace to run properly. The biggest problems were the human machine interfaces (HMI) and programmable logic controllers (PLC) controls. The two manufactures of the furnace equipment finally resolved the majority of these issues this month.

Going forward, the burner manufacturer, Bloom Engineering, will sample and evaluate furnace emissions for NOx and CO in the next week to confirm that the furnace is operating satisfactorily. If it proves to be operating correctly Jorgensen Forge will submit immediately thereafter a test plan for your review and approval.

I will keep you posted of the testing results from Bloom's sample analysis. Please call me if you have any questions.

Sincerely,

Chuck Luce

Project Engineer

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
1-(5-Nitrofurfurylidene)amino)-2-imidazolidinone	555-84-9	No	Yes	Yes
1,1,1,2-Tetrachloro-2,2-difluoroethane	76-11-9	No	Yes	Yes
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6	Yes	No	Yes
1,1,1-Trifluoroethane (HFC-143a)	420-46-2	No	No	No
1,1,2,2-Tetrachloro-1,2-difluoroethane	76-12-0	No	Yes	Yes
1,1,2,2-Tetrachloroethane	79-34-5	Yes	Yes	Yes
1,1,2,2-Tetrafluoroethane (HFC-134)	359-35-3	No	No	No
1,1,2,-Trichloroethane	79-00-5	Yes	Yes	Yes
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	No	No	Yes
1,1-Dichloro-1-nitroethane	594-72-9	No	Yes	Yes
1,1-Dimethylhydrazine	57-14-7	Yes	Yes	Yes
1,2,3,6,7,8-Hexachloro-dibenzo-o-dioxin (1:2 mixture)	34465-46-8	No	Yes	Yes
1,2,3,7,8,9-Hexachloro-dibenzo-o-dioxin (1:2 mixture)	19408-74-3	No	Yes	Yes
1,2,3-Trichloropropane	96-18-4	No	Yes	Yes
1,2,4-Trichlorobenzene	120-82-1	Yes	No	Yes
1,2,4-Trimethyl benzene	95-63-6	No	Yes	No
1,2:7,8-Dibenzopyrene (dibenzo(a,i)pyrene)	189-55-9	No	Yes	Yes
1,2-Dibromo-3-chloropropane	96-12-8	Yes	Yes	Yes
1,2-Dichloroethylene	540-59-0	No	Yes	Yes
1,2-Diethylhydrazine	1615-80-1	No	Yes	Yes
1,2-Dimethylhydrazine	540-73-8	No	Yes	Yes
1,2-Diphenyl hydrazine	122-66-7	Yes	Yes	Yes
1,2-Epoxybutane (1,2-Butylene oxide)	106-88-7	Yes	Yes	Yes
1,2-Propylene imine (2-Methyl aziridine)	75-55-8	Yes	Yes	Yes
1,3-Butadiene	106-99-0	Yes	Yes	Yes
1,3-Dichloro-5,5-dimethyl hydantoin	118-52-5	No	Yes	Yes
1,3-Dichloropropene	542-75-6	Yes	Yes	Yes
1,3-Diphenyl guanidine	102-06-7	No	Yes	No
1,3-Propane sultone	1120-71-4	Yes	Yes	Yes
1,4-Dichloro-2-butene	764-41-0	No	Yes	Yes
1,4-Dichlorobenzene(p-Dichlorobenzene)	106-46-7	Yes	Yes	Yes
1,4-Dioxane (1,4-Diethylene oxide)	123-91-1	Yes	Yes	Yes
1-bromopropane (n-propyl bromide)	106-94-5	No	Yes	No
1-Chloro-1-nitropropane	600-25-9	No	Yes	Yes
1-Napthylamine	134-32-7	No	Yes	Yes
1-Nitropropane	108-03-2	No	Yes	Yes
2,2,4-Trimethylpentane	540-84-1	Yes	Yes	Yes
2,2-Dichloropropionic acid	75-99-0	No	Yes	Yes
2,3,7,8-Tetrachlorodibenzi-p-dioxin (2,3,7,8-TCDD)	1746-01-6	Yes	No	Yes
2,4,5-T	93-76-5	No	Yes	Yes
2,4,5-Trichlorophenol	95-95-4	Yes	Yes	Yes
2,4,6-Trichloroaniline hydrochloride	634-93-5	No	Yes	No
2,4,6-Trichlorophenol	88-06-2	Yes	Yes	Yes
2,4,6-Trinitrotoluene	118-96-7	No	Yes	Yes
2,4-D, salts and esters (2,4 Dichlorophenoxy acetic acid)	94-75-7	Yes	Yes	Yes
2,4-Dinitrophenol	51-28-5	Yes	Yes	Yes
2,4-Dinitrotoluene	121-14-2	Yes	Yes	Yes
2,4-Toluene diamine (2,4-Diamino toluene)	95-80-7	Yes	Yes	Yes
2,6-Ditert.butyl-p-cresol	128-37-0	No	Yes	Yes
2-Acetylaminofluorene	53-96-3	Yes	Yes	Yes
2-Amino-2-methyl-1-propanol	124-68-5	No	Yes	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
2-Aminoanthraquinone	117-79-3	No	Yes	Yes
2-Aminopyridine	504-29-0	No	Yes	Yes
2-bromopropane (iso-propyl bromide)	75-26-3	No	Yes	No
2-Butanone (MEK; Methyl ethyl ketone)	78-93-3	No	Yes	Yes
2-BUTENAL, (E) (TRANS-CROTONALDEHYDE)	123-73-9	No	Yes	No
2-BUTENE, 1,4-DICHLORO-,(E)- (1,4-DICHLOO-TRANS-BUTENE)	110-57-6	No	Yes	No
2-Butoxy Ethyl Acetate	112-07-2	No	Yes	No
ether]	111-76-2	No	Yes	Yes
2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	2837-89-0	No	No	No
2-Ethoxyethanol (Cellosolve) [glycol ether]	110-80-5	Yes	Yes	Yes
2-Ethoxyethyl acetate [glycol ether]	111-15-9	Yes	Yes	Yes
2-Ethyl-1-hexanol	104-76-7	No	Yes	No
2-Hexanone (MBK) (Methyl n-butyl ketone)	591-78-6	No	Yes	Yes
2-Hydroxypropyl acrylate	999-61-1	No	Yes	Yes
2-Methoxyethyl acetate [glycol ether]	110-49-6	Yes	Yes	Yes
2-Methyl propane (isobutane)	75-28-5	No	Yes	No
2-Methyl-1-nitroanthraquinone	129-15-7	No	Yes	Yes
2-N-Dibutylaminoethanol	102-81-8	No	Yes	Yes
2-Nitropropane	79-46-9	Yes	Yes	Yes
2-Pentanone (Methyl propyl ketone)	107-87-9	No	Yes	Yes
2-Propoxy-ethanol	2807-30-9	No	Yes	No
3,3'-dichloro-4,4'-diaminodiphenyl ether	28434-86-8	No	Yes	Yes
3,3-Dichlorobenzidine	91-94-1	Yes	Yes	Yes
3,3-Dimethoxybenzidine (ortol-dianisidine)	119-90-4	Yes	Yes	Yes
3,3'-Dimethyl benzidine	119-93-7	Yes	Yes	Yes
3-Ethyl ethoxypropionate	763-69-9	No	Yes	No
4-(diglycidylamino) phenyl glycol	5026-74-4	No	Yes	No
4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone	64091-91-4	No	Yes	Yes
4,4'-Diaminodiphenyl ether	101-80-4	No	Yes	Yes
4,4'-Isopropylidendiphenol	80-05-7	No	Yes	No
4,4-Methylene bis(2-chloroaniline)	101-14-4	Yes	Yes	Yes
4,4'-Methylene dianiline	101-77-9	Yes	Yes	Yes
4,4'-Methylenebis(2-Methylaniline)	838-88-0	No	Yes	Yes
4,4-Methylenedianiline dihydrochloride	13552-44-8	No	Yes	Yes
4,4-Thiobis(6-tert, butyl-m-cresol)	96-69-5	No	Yes	Yes
4,4'-Thiodianiline	139-65-1	No	Yes	Yes
4-Aminobiphenyl	92-67-1	Yes	Yes	Yes
4-Chloroaniline	106-47-8	No	Yes	No
4-Methoxyphenol	150-76-5	No	Yes	Yes
4-Nitrobiphenyl	92-93-3	Yes	Yes	Yes
4-Nitrophenol	100-02-7	Yes	Yes	Yes
5-(Morpholinomethyl)-3-(amino)-2-oxazolidinone(furaltudone)	139-91-3	No	Yes	Yes
5-Methylchrysene	3697-24-3	No	Yes	Yes
5-Nitroacenaphthene	602-87-9	No	Yes	Yes
Acetaldehyde	75-07-0	Yes	Yes	Yes
Acetamide	60-35-5	Yes	Yes	Yes
Acetate	9004-35-7	No	Yes	No
Acetic Acid	64-19-7	No	Yes	Yes
Acetic anhydride	108-24-7	No	Yes	Yes
Acetone	67-64-1	No	No	Yes
PROPANENITRILE)	75-86-5	No	Yes	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Acetonitrile	75-05-8	Yes	Yes	Yes
Acetophenone	98-86-2	Yes	Yes	Yes
Acetyl acetone	123-54-6	No	Yes	No
Acetylene tetrabromide	79-27-6	No	Yes	Yes
a-Chloroacetophenone	532-27-4	Yes	Yes	Yes
Acrolein	107-02-8	Yes	Yes	Yes
Acrylamide	79-06-1	Yes	Yes	Yes
Acrylic acid	79-10-7	Yes	Yes	Yes
ACRYLIC ACID CHLORIDE (2-PROPENOYL CHLORIDE)	814-68-6	No	Yes	No
Acrylic polymer	96591-17-2	No	Yes	No
Acrylonitrile	107-13-1	Yes	Yes	Yes
Acrylonitrile/Butadiene copolymer	9003-18-3	No	Yes	No
Adipic acids	124-04-9	No	Yes	No
Aldrin	309-00-2	No	Yes	Yes
Aliphatic compounds	67254-79-9	No	Yes	No
Aliphatic hydrocarbon solvent	64742-48-9	No	Yes	No
Aliphatic hydrocarbon, sulfurized	64742-55-8	No	Yes	No
Aliphatic polyglycidyl ether	26142-30-3	No	Yes	No
Aliphatic secondary naphalene amine (1)	6364-17-6	No	Yes	No
Aliphatic secondary naphalene amine(2)	43057-68-7	No	Yes	No
Alkanol amide	7332-18-5	No	No	No
Alkenes, c15-20 alpha-,polymers with cottonseed oil and s	68603-33-8	No	Yes	No
Alkyd resin (1)	68072-13-9	No	Yes	No
Alkyl glycidyl ethers	68609-96-1	No	Yes	No
Allyl alchohol	107-18-6	No	Yes	Yes
Allyl chloride	107-05-1	Yes	Yes	Yes
Allyl glycidyl ether (AGE)	106-92-3	No	Yes	Yes
Allyl propyl disulfide	2179-59-1	No	Yes	Yes
ALLYLAMINE (2-PROPEN-1-AMINE)	107-11-9	No	Yes	No
Alpha-pinene polymer	25766-18-1	No	Yes	No
Aluminum (alkyls and soluble salts)	7429-90-5	No	No	Yes
Aluminum silicate	1302-76-7	No	No	No
Aluminum sulfate	10043-01-3	No	Yes	No
a-Methyl styrene	98-83-9	No	Yes	Yes
Amide, Cyclic	872-50-4	No	Yes	No
Amidosulfonic acid	5329-14-6	No	Yes	No
Amine hardener	68334-60-1	No	Yes	No
Amine terminated butadiene acrylonitrile copolymer	67988-99-2	No	Yes	No
Amine, aryl	68526-77-2	No	Yes	No
Amino propyl triethoxysilane	919-30-2	No	Yes	No
Amino propyl trimethoxysilane	1760-24-3	No	Yes	No
Aminoethy aminoethyl imidazoline,n-	20565-76-8	No	Yes	No
Aminoethyl piperazine,N-	140-31-8	No	Yes	No
Amitrole	61-82-5	No	Yes	Yes
Ammonia (NH3)	7664-41-7	No	No	Yes
Ammonium bifluoride	1341-49-7	No	No	No
Ammonium chloride fumes	12125-02-9	No	No	Yes
Ammonium fluoride	12125-01-8	No	No	No
Ammonium hydroxide	1336-21-6	No	No	No
Ammonium perfluorooctanoate	3825-26-1	No	No	Yes
Ammonium sulfamate	7773-06-0	No	No	Yes

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Ammonium thiosulfate	7783-18-8	No	No	No
Anhydrous aluminum silicate	22708-90-3	No	No	No
Aniline and compounds	62-53-3	Yes	Yes	Yes
Anisidine (o-,p-isomers)	29191-52-4	No	Yes	Yes
Anisole	100-66-3	No	Yes	No
Antimony and compounds	7440-36-0	Yes	No	Yes
ANTIMONY PENTAFLUORIDE	7783-70-2	No	No	No
Antimony trioxide, as Sb [antimony compound]	1309-64-4	Yes	No	Yes
ANTU	86-88-4	No	Yes	Yes
Aramid	26125-61-1	No	Yes	No
Aromatic hydrocarbons	6742-89-8	No	Yes	No
Aromatic hydrocarbons	68551-16-6	No	Yes	No
Aromatic Petroleum 100	6742-95-6	No	Yes	No
Aromatics(c8+)	68650-36-2	No	Yes	No
Arsenic and inorganic arsenic compounds	7440-38-2	Yes	No	Yes
ARSENOUS TRICHLORIDE	7784-34-1	No	No	No
Arsine	7784-42-1	Yes	No	Yes
Arylide diarylide yellow disp. (lead free yellow)	5567-15-7	No	No	No
Asbestos	1332-21-4	Yes	No	Yes
Asphalt (petroleum) fumes	8052-42-4	No	Yes	Yes
Atrazine	1912-24-9	No	Yes	Yes
Auramine (technical grade)	2465-27-2	No	Yes	Yes
Azinphos-methyl	86-50-0	No	Yes	Yes
Barium, soluble compounds Ba	7440-39-3	No	No	Yes
B-Butyrolactone	3068-88-0	No	Yes	Yes
b-Chloroprene	126-99-8	Yes	Yes	Yes
Benomyl	17804-35-2	No	Yes	Yes
BENYL CYANIDE (BENZENEACETONITRILE)	140-29-4	No	Yes	No
BENZAL CHLORIDE (BENZENE, DICHLOROMETHYL)	98-87-3	No	Yes	No
(TRIFLUOROMETHYL)ANILINE	98-16-8	No	Yes	No
Benzene	71-43-2	Yes	Yes	Yes
Benzene sulfonyl hydrazide, p,p-oxybis	80-51-3	No	Yes	No
Benzene, 1,1'-(1,2-ethanediylbis(oxy))bis(2,4,6-tribromo	37853-59-1	No	Yes	No
Benzene,1,1'-oxybis penabromo	32534-81-9	No	Yes	No
Benzidine and compounds	92-87-5	Yes	Yes	Yes
Benzo(a)anthracene [POM]	56-55-3	Yes	Yes	Yes
Benzo(a)pyrene [POM]	50-32-8	Yes	Yes	Yes
Benzo(b)fluoranthene [POM]	205-99-2	Yes	Yes	Yes
Benzo(j)fluoranthene	205-82-3	No	Yes	Yes
Benzo(k)fluoranthene [POM]	207-08-9	Yes	Yes	Yes
Benzotrichloride	98-07-7	Yes	Yes	Yes
Benzoyl peroxide	94-36-0	No	Yes	Yes
Benzyl alcohol	100-51-6	No	Yes	No
Benzyl chloride	100-44-7	Yes	Yes	Yes
Benzyl violet 4b	1694-09-3	No	Yes	Yes
Beryllium and compounds	7440-41-7	Yes	No	Yes
Biphenyl	92-52-4	Yes	Yes	Yes
Bis 1,2-Ethanediamine,N,N'	112-24-3	No	Yes	No
Bis dimethyl aminoethyl hydroxyphenyl	71173-64-3	No	Yes	No
Bis-(1,2,2,6,6-pentamethyl-4-piperidinyl)secacate	41556-26-7	No	Yes	No
Bis(2-chloro-1-methyl-ethyl)ether	108-60-1	No	Yes	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	Yes	Yes	Yes
Bis(chloromethyl)ether and tech chloromethyl methyl ether	542-88-1	Yes	Yes	Yes
Bismuth	7440-69-9	No	No	No
Bismuth telluride	1304-82-1	No	No	Yes
Bisphenol A diglycidyl ether resin	68259-26-7	No	Yes	No
Bisphenol a/novolak blend	28906-96-9	No	Yes	No
Bisphenol a/polyglycidyl ether	1675-54-3	No	Yes	No
Blend stock	80317-78-3	No	Yes	No
Borate (anhydrous and pentahydrate)	1303-96-4	No	No	Yes
Boron oxide	1303-86-2	No	No	Yes
Boron tribromide	10294-33-4	No	No	Yes
BORON TRICHLORIDE	10294-34-5	No	No	No
BORON TRIFLUORO[OXYBIS[METHANE]], (T-40)-	353-42-4	No	Yes	No
b-Propiolactone	57-57-8	Yes	Yes	Yes
Bromacil	314-40-9	No	Yes	Yes
Brominated glycidyl ether bisphenol a resin-1	40039-93-8	No	Yes	No
Bromine	7726-95-6	No	No	Yes
Bromine pentafluoride	7789-30-2	No	No	Yes
Bromoform	75-25-2	Yes	Yes	Yes
Butadiene Polymer	9003-17-2	No	Yes	No
Butane	106-97-8	No	Yes	Yes
Butanediol diglycidyl ether	2425-79-8	No	Yes	No
Butyl acrylate	141-32-2	No	Yes	Yes
Butyl acrylate, polymer with styrene & acrylonitril	26299-47-8	No	Yes	No
Butyl Benzyl Phthalate	85-68-7	No	Yes	No
Butyl ether	142-96-1	No	Yes	No
Butyl glycidyl ether mod. epoxy resin	7665-72-7	No	Yes	No
Butyl mercaptan	109-79-5	No	Yes	Yes
Butylphenylglycidylether, p-tert	3101-60-8	No	Yes	No
Butyraldehyde - analine	34562-31-7	No	Yes	No
Cadmium - Selenium	12656-57-4	No	No	No
Cadmium and compounds	7440-43-9	Yes	No	Yes
Cadmium oxide	1306-19-0	No	No	No
Cadmium sulfoselenide	58339-34-7	No	No	No
Calcium carbonate	1317-65-3	No	No	No
Calcium chromate, anhydrous	13765-19-0	Yes	No	Yes
Calcium cyanamide	156-62-7	Yes	No	Yes
Calcium hydroxide	1305-62-0	No	No	Yes
Calcium oxide	1305-78-8	No	No	Yes
Calcium sulfonate	68783-96-0	No	Yes	No
Camphor, synthetic	76-22-2	No	Yes	Yes
Caprolactum, dusts	105-60-2	No	Yes	Yes
Captafol	2425-06-1	No	Yes	Yes
Captan	133-06-2	Yes	Yes	Yes
Carbaryl	63-25-2	Yes	Yes	Yes
Carbitol (Diethylene glycol monoethyl ether)	111-90-0	No	Yes	No
Carbofuran	1563-66-2	No	Yes	Yes
Carbon black	1333-86-4	No	No	Yes
Carbon dioxide	124-38-9	No	No	No
Carbon disulfide	75-15-0	Yes	No	Yes
Carbon Monoxide	CO	No	No	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Carbon tetrabromide	558-13-4	No	Yes	Yes
Carbon tetrachloride	56-23-5	Yes	Yes	Yes
Carbonyl fluoride	353-50-4	No	Yes	Yes
Carbonyl sulfide	463-58-1	Yes	Yes	Yes
Castor oil	8001-79-4	No	Yes	No
Catechol	120-80-9	Yes	Yes	Yes
Cellulose acetate butyrate	9004-36-8	No	Yes	No
Cesium hydroxide	21351-79-1	No	No	Yes
Chloramben	133-90-4	Yes	Yes	Yes
Chlordane	57-74-9	Yes	Yes	Yes
Chlorinated alkene polymer	68410-99-1	No	Yes	No
chlorinated dioxin and furans 2,3,7,8 congeners	CLD&F	No	No	No
Chlorinated diphenyl oxide (Hexachlorophenyl ether)	55720-99-5	No	Yes	Yes
Chlorinated hydrocarbons	68476-48-2	No	Yes	No
Chlorinated paraffin	63449-39-8	No	Yes	No
Chlorine	7782-50-5	Yes	No	Yes
Chlorine dioxide	10049-04-4	No	No	Yes
Chlorine trifluoride	7790-91-2	No	No	Yes
Chloro alkanes	61788-76-9	No	Yes	No
Chloroacetaldehyde	107-20-0	No	Yes	Yes
Chloroacetic acid	79-11-8	Yes	Yes	Yes
Chloroacetyl chloride	79-04-9	No	Yes	Yes
Chlorobenzene	108-90-7	Yes	Yes	Yes
Chlorobenzilate	510-15-6	Yes	Yes	Yes
Chlorobromomethane	74-97-5	No	Yes	Yes
Chlorodifluoroethane (HCFC-142b)	75-68-3	No	No	No
Chlorodifluoromethane (Freon 22 propellant)	75-45-6	No	No	Yes
Chloroform	67-66-3	Yes	Yes	Yes
Chloromethyl methyl ether	107-30-2	Yes	Yes	Yes
Chloropentafluoroethane	76-15-3	No	No	Yes
Chlorophenols	108-43-0	No	Yes	Yes
Chloropicrin	76-06-2	No	Yes	Yes
Chloropyrifos	2921-88-2	No	Yes	Yes
Chlorosulfonated polyethylene	68037-39-8	No	Yes	No
Chrome orange, 58% Pb	14504-95-1	No	No	No
Chromic oxide	1308-38-9	No	Yes	No
Chromium and compounds	7440-47-3	Yes	No	Yes
Chromium VI	1333-82-0	Yes	No	Yes
Chromyl chloride [chromium compound]	14977-61-8	Yes	No	Yes
Clay, pumice	1332-58-7	No	No	No
Clopidol	2971-90-6	No	Yes	Yes
Cobalt carbonyl as Co [cobalt compound]	10210-68-1	Yes	Yes	Yes
Cobalt Compounds as Cobalt	7440-48-4	Yes	No	Yes
Cobalt hydrocarbonyl [cobalt compound]	16842-03-8	Yes	Yes	Yes
Coke oven Emissions (CE)	CE	Yes	Yes	Yes
Copper (dust, mist and fumes)	7440-50-8	No	No	Yes
Cotton dust, raw	81106	No	No	Yes
Creosote	8001-58-9	No	Yes	Yes
Cresols/cresylic acid and compounds	1319-77-3	Yes	Yes	Yes
Cresyl glycidyl ether(1)	26447-14-3	No	Yes	No
Crotonaldehyde [POM]	4170-30-3	Yes	Yes	Yes

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Crufomate	299-86-5	No	Yes	Yes
Cumene (Isopropylbenzene)	98-82-8	Yes	Yes	Yes
Cumene hydroperoxide	80-15-9	No	Yes	No
Cupferron	135-20-6	No	No	Yes
Cyanamide	420-04-2	No	Yes	Yes
Cyanide and compounds	57-12-5	Yes	Yes	Yes
Cyanogen	460-19-5	No	Yes	Yes
Cyanogen chloride	506-77-4	No	Yes	Yes
Cyclohexane	110-82-7	No	Yes	Yes
Cyclohexanol	108-93-0	No	Yes	Yes
Cyclohexanone	108-94-1	No	Yes	Yes
Cyclohexene	110-83-8	No	Yes	Yes
Cyclohexylamine	108-91-8	No	Yes	Yes
Cyclo-hexylpyrrolidone(n)	6837-24-7	No	Yes	No
Cyclonite	121-82-4	No	Yes	Yes
Cycloocetene (C18H12CL12)	13560-89-9	No	Yes	No
Cyclopentadiene	542-92-7	No	Yes	Yes
Cyclopentane	287-92-3	No	Yes	Yes
Cyhexatin	13121-70-5	No	Yes	Yes
DDE (p,p'-Dichlorodiphenyldichloroethylene)	3547-04-4	Yes	Yes	Yes
DDT (1,1,1 Trichloro-2,2-Bis-(p-chlorophenyl)ethane)	50-29-3	No	Yes	Yes
Decaborane	17702-41-9	No	Yes	Yes
Decabromodiphenyl oxide (DBDPE)	1163-19-5	No	Yes	No
Demeton	8065-48-3	No	Yes	Yes
Diacetone alcohol	123-42-2	No	Yes	Yes
Diatomaceous earth	68855-54-9	No	No	No
Diazinon	333-41-5	No	Yes	Yes
Diazomethane	334-88-3	Yes	Yes	Yes
Dibenz(a,h)acridine	226-36-8	No	Yes	Yes
Dibenz(a,h)anthracene [POM]	53-70-3	Yes	Yes	Yes
Dibenz(a,j)acridine	224-42-0	No	Yes	Yes
Dibenzo(a,e)pyrene	192-65-4	No	Yes	Yes
Dibenzo(a,h)pyrene	189-64-0	No	Yes	Yes
Dibenzo(a,l)pyrene	191-30-0	No	Yes	Yes
Dibenzofurans	132-64-9	Yes	Yes	Yes
Diborane	19287-45-7	No	Yes	Yes
Dibutyl phosphate	107-66-4	No	Yes	Yes
Dibutyl phthalate	84-74-2	Yes	Yes	Yes
Dibutylnitrosoamine	43109	No	Yes	No
Dibutyltin dilurate	77-58-7	No	Yes	No
Dibutyltin oxide	818-08-6	No	Yes	No
Dichloroacetylene	7572-29-4	No	Yes	Yes
Dichlorodifluoromethane	75-71-8	No	No	Yes
Dichloroethyl ether (Bis(2-chloroethyl)ether)	111-44-4	Yes	Yes	Yes
Dichlorofluoromethane	75-43-4	No	Yes	Yes
Dichloromethane (Methylene chloride)	75-09-2	Yes	No	Yes
Dichlorophenylarsine (arsenic group)	696-28-6	No	Yes	Yes
Dichlorotetrafluoroethane (CFC-114)	76-14-2	No	No	Yes
Dichlorotrifluoroethane (HCFC-123)	306-83-2	No	No	No
Dichlorvos	62-73-7	Yes	Yes	Yes
Dicrotophos	141-66-2	No	Yes	Yes

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Dicyandiamide	504-66-5	No	Yes	No
Dicyandiamide (cyano guanidine)	461-58-5	No	Yes	No
Dicyclopentadiene	77-73-6	No	Yes	Yes
Dicyclopentadienyl iron	102-54-5	No	Yes	Yes
Dieldrin	60-57-1	No	Yes	Yes
Diethanolamine	111-42-2	Yes	Yes	Yes
Diethyl ketone	96-22-0	No	Yes	Yes
Diethyl phthalate	84-66-2	No	Yes	Yes
Diethyl sulfate	64-67-5	Yes	Yes	Yes
Diethyl toluene diamine	68479-98-1	No	Yes	No
Diethylamine	109-89-7	No	Yes	Yes
Diethylamino propylamine	104-78-9	No	Yes	No
Diethylaminoethanol, 2-	100-37-8	No	Yes	Yes
Diethylbisaniline,0-	13680-35-8	No	Yes	No
Diethylene glycol bis 3-aminopropyl ether	4246-51-9	No	Yes	No
Diethylene glycol dibutyl ether	112-73-2	No	Yes	No
Diethylene glycol dimenthyl ether	111-96-6	No	Yes	No
Diethylene glycol monbutyl ether [glycol ether]	112-34-5	Yes	Yes	No
Diethylenetriamine (DETA)	111-40-0	No	Yes	Yes
Diflourodibromomethane	75-61-6	No	Yes	Yes
Difluoroethane, 1 1-	25497-28-3	No	Yes	No
Diglyceride ether of bisphenol A, mixed	25085-99-8	No	Yes	No
Diglycidal amiline	2095-06-9	No	Yes	No
Diglycidyl ether	2238-07-5	No	Yes	Yes
Diglycidyl resorcinol ether	101-90-6	No	Yes	Yes
Diisobutyl ketone	108-83-8	No	Yes	Yes
Diisocyanatemethyl benzene,1,3	26471-62-5	No	Yes	No
Diisocyanatomethyl-Benzene pmer w/diisocyanathohexane	633689-59-6	No	Yes	No
Diisononyl phthalate	68515-48-0	No	Yes	No
Diisopropylamine	108-18-9	No	Yes	Yes
Dimethloxaolidine	51200-87-4	No	Yes	No
Dimethyl adipate	627-93-0	No	Yes	No
Dimethyl aminoazobenzene	60-11-7	Yes	Yes	Yes
Dimethyl carbamoyl chloride	79-44-7	Yes	Yes	Yes
Dimethyl dioctadecyl ammonium bentonit	73138-28-0	No	Yes	No
Dimethyl ethanolamine	108-01-0	No	Yes	No
Dimethyl ether propellant	115-10-6	No	Yes	No
Dimethyl glycol mono n-hexyl ether	112-59-4	No	Yes	No
Dimethyl methylhydrogen polysiloxane	68037-59-2	No	Yes	No
Dimethyl P-chlorophenyl urea, 1,1-	150-68-5	No	Yes	No
Dimethyl phthalate	131-11-3	Yes	Yes	Yes
Dimethyl siloxane	63148-62-9	No	Yes	No
Dimethyl succinate	106-65-0	No	Yes	No
Dimethyl sulfate	77-78-1	Yes	Yes	Yes
Dimethyl-4,4 -Diaminodicyclo-Hexylmethnae,3, 3'-	6864-37-5	No	Yes	No
Dimethylacetamide	127-19-5	No	Yes	Yes
Dimethylamine	124-40-3	No	Yes	Yes
Dimethylformamide	68-12-2	Yes	Yes	Yes
Dimethylhydantoin,5-,1-BR-3-CI-5	126-06-7	No	Yes	No
Dimethyll glutarate	1119-40-0	No	Yes	No
DIMETHYLPHOSPHOROCHLORIDOTHIOATE	2524-03-0	No	Yes	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Dinitolmide	148-01-6	No	Yes	Yes
Dinitrobenzene	528-29-0	No	Yes	Yes
Dinitro-o-cresol and compounds	534-52-1	Yes	Yes	Yes
Dinitrotoluenes (mixed)	25321-14-6	No	No	No
Dioxathion	78-34-2	No	Yes	Yes
Dioxins and furans	43110	No	Yes	Yes
Dipentene	138-86-3	No	Yes	No
Diphenylamine	122-39-4	No	Yes	Yes
Diphenylmethane diisocyanate	26447-40-5	No	Yes	No
Dipropyl ketone	123-19-3	No	Yes	Yes
Dipropylene glycol methyl ether	34590-94-8	No	Yes	Yes
Diquat	85-00-7	No	Yes	Yes
Distillate, sweetened middle	64741-86-2	No	Yes	No
Distillates (petroleum) hydrofvld	64742-54-7	No	Yes	No
Disulfiram	97-77-8	No	Yes	Yes
Disulfuton	298-04-4	No	Yes	Yes
Diuron	330-54-1	No	Yes	Yes
Divinyl benzene	1321-74-0	No	Yes	Yes
Endosulfan	115-29-7	No	Yes	Yes
Endrin	72-20-8	No	Yes	Yes
Enflurane	13838-16-9	No	Yes	Yes
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8	Yes	Yes	Yes
EPN	2104-64-5	No	Yes	Yes
Epoxy resin	25068-38-6	No	Yes	No
Epoxy resin (1)	25036-25-3	No	Yes	No
Epoxy resin(1)	37312-33-7	No	Yes	No
Epoxy resin(4)	28390-91-2	No	Yes	No
Epoxy resins	64020-73-1	No	Yes	No
Epoxy soy oil	8013-07-8	No	Yes	No
Ethanediamine,n-(2-aminoethyl)-,polymer w/(butoxymethyl)oxir	68318-41-2	No	Yes	No
Ethanolamine (Monethanol amine)	141-43-5	No	Yes	Yes
Ethene, homopolymer	9002-88-4	No	Yes	No
Ethion	563-12-2	No	Yes	Yes
Ethoxylated bisphenol dimethylacrylate(1)	24448-20-2	No	Yes	No
Ethyl 2-methyl imidazole-4-	931-36-2	No	Yes	No
Ethyl acetate	141-78-6	No	Yes	Yes
Ethyl acrylate	140-88-5	Yes	Yes	Yes
Ethyl alcohol (Ethanol)	64-17-5	No	Yes	Yes
Ethyl amyl ketone	541-85-5	No	Yes	Yes
Ethyl benzene	100-41-4	Yes	Yes	Yes
Ethyl bromide	74-96-4	No	Yes	Yes
Ethyl butyl ketone	106-35-4	No	Yes	Yes
Ethyl cellulose	9004-57-3	No	Yes	No
Ethyl chloride (Chloroethane)	75-00-3	Yes	Yes	Yes
Ethyl cyanoacrylate	7085-85-0	No	Yes	No
Ethyl ether	60-29-7	No	Yes	Yes
Ethyl formate	109-94-4	No	Yes	Yes
Ethyl mercaptan	75-08-1	No	Yes	Yes
Ethyl silicate	78-10-4	No	Yes	Yes
Ethyl-1-hexanol phosphate, 2-	78-42-2	No	Yes	No
Ethyl-2-(Hydroxymethyl)-1, 3-Propanediol	77-99-6	No	Yes	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Ethyl-5-methylhydantoin,1,2-DI-CI-4	89415-87-2	No	Yes	No
Ethylamine	75-04-7	No	Yes	Yes
Ethylene chlorohydrin	107-07-3	No	Yes	Yes
Ethylene diamine	107-15-3	No	Yes	Yes
Ethylene dibromide (1,2-dibromoethane)	106-93-4	Yes	Yes	Yes
Ethylene dichloride (1,2-Dichloroethane)	107-06-2	Yes	Yes	Yes
Ethylene glycol	107-21-1	Yes	Yes	Yes
Ethylene glycol dinitrate	628-96-6	No	Yes	Yes
Ethylene imine (Aziridine)	151-56-4	Yes	Yes	Yes
Ethylene oxide	75-21-8	Yes	Yes	Yes
Ethylene thiourea	96-45-7	Yes	Yes	Yes
Ethylidene dichloride (1,1-Dichloroethane)	75-34-3	Yes	Yes	Yes
Ethylidene norbornene	16219-75-3	No	Yes	Yes
Fatty acids, C16-22, lithium salts	68783-36-8	No	Yes	No
Fatty acids,C18-unsat,dimers,rxn prdts w/p'ethylene amines	68410-23-1	No	Yes	No
Fenamiphos	22224-92-6	No	Yes	Yes
Fensulfothion	115-90-2	No	Yes	Yes
Fenthion	55-38-9	No	Yes	Yes
Ferbam	14484-64-1	No	Yes	Yes
Ferrovanadium dust	12604-58-9	No	No	Yes
Fiberglass and ceramic	65997-17-3	No	No	No
Fibrous glass dust	81111	No	No	Yes
Fine Mineral Fibers (FMF)	FMF	Yes	No	Yes
Fluorides, as F	16984-48-8	No	No	Yes
Fluorine	7782-41-4	No	No	Yes
Fluoroelastomer	25190-89-0	No	Yes	No
Fonofos	944-22-9	No	Yes	Yes
Formaldehyde	50-00-0	Yes	Yes	Yes
ACETONITRILE)	107-16-4	No	Yes	No
Formamide	75-12-7	No	Yes	Yes
Formic acid (methanoic acid)	64-18-6	No	Yes	Yes
FURAN (OXACYCLOPENTADIENE)	110-00-9	No	Yes	No
Furazolidone	67-45-8	No	No	No
Furfural	98-01-1	No	Yes	Yes
Furfuryl alcohol	98-00-0	No	Yes	Yes
Furium (nitrofuran group)	43111	No	Yes	Yes
Gamma-Butyrolactone	96-48-0	No	Yes	No
Gasoline	8006-61-9	No	Yes	No
Gasoline, aviation	68425-29-6	No	Yes	No
Germanium tetrahydride	7782-65-2	No	No	Yes
Gluconic acid	526-95-4	No	Yes	No
Glutaraldehyde	111-30-8	No	Yes	Yes
Glycerol	56-81-5	No	Yes	No
Glyciadaldehyde	765-34-4	No	Yes	Yes
Glycidol	556-52-5	No	Yes	Yes
Glycol ethers	GLYET	Yes	Yes	Yes
Glycol methylene ether	646-06-0	No	Yes	No
Glycolic acid	79-14-1	No	Yes	No
Gold	7440-57-5	No	No	No
Graphite powder	7782-42-5	No	No	No
Gylcerides	68132-29-6	No	Yes	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Hafnium	7440-58-6	No	No	Yes
Halothane	151-67-7	No	Yes	Yes
Heavy aromatic naphtha (petrol)	64742-94-5	No	Yes	No
Heptachlor	76-44-8	Yes	Yes	Yes
Heptane (n-Heptane)	142-82-5	No	Yes	Yes
Hexachlorobenzene	118-74-1	Yes	Yes	Yes
Hexachlorobutadiene	87-68-3	Yes	Yes	Yes
Hexachlorocyclohexane (Lindane) Alpha (BHC)	319-84-6	No	Yes	Yes
Hexachlorocyclohexane (Lindane) Beta (BHC)	319-85-7	No	Yes	Yes
Hexachlorocyclohexane (Lindane) Gamma(BHC)	58-89-9	Yes	Yes	Yes
Hexachlorocyclopentadiene	77-47-4	Yes	Yes	Yes
Hexachloroethane	67-72-1	Yes	Yes	Yes
Hexachloronaphthalene	1335-87-1	No	Yes	Yes
Hexafluoroacetone	684-16-2	No	Yes	Yes
Hexahydro-1,3,5,-tris-(2-Hydro XYL-S-Triazin)	4719-04-4	No	Yes	No
Hexahydrophthalic Anhydride	85-42-7	No	Yes	No
Hexahydrophthalimide	7506-66-3	No	Yes	No
Hexamethyldisilazane	999-97-3	No	Yes	No
Hexamethylene diisocyanate	822-06-0	Yes	Yes	Yes
Hexamethylphosphoramide	680-31-9	Yes	Yes	Yes
Hexandeiol, 1, 6	629-11-8	No	Yes	No
Hexane (n-Hexane)	110-54-3	Yes	Yes	Yes
Hexane, other isomers	43103	No	Yes	Yes
Hexylene glycol	107-41-5	No	Yes	Yes
Homopolymer of HDI	28182-81-2	No	Yes	No
Hydrazine	302-01-2	Yes	No	Yes
Hydrocarbon resin	68240-01-7	No	Yes	No
Hydrocarbon resin/petroleum resins	64742-16-1	No	Yes	No
Hydrocarbon solvent	64742-96-7	No	Yes	No
Hydrochloric acid (Hydrogen chloride)	7647-01-0	Yes	No	Yes
Hydrodesulfurized kerosene	64742-81-0	No	Yes	No
Hydrogen bromide	10035-10-6	No	No	Yes
Hydrogen cyanide [cyanide compound]	74-90-8	Yes	No	Yes
Hydrogen fluoride (Hydrofluoric acid)	7664-39-3	Yes	No	Yes
Hydrogen peroxide	7722-84-1	No	No	Yes
Hydrogen selenide, as Se	7783-07-5	No	No	Yes
Hydrogen sulfide	7783-06-4	Yes	No	Yes
Hydroquinone	123-31-9	Yes	Yes	Yes
Hydroquinone mono benzyl ether	103-16-2	No	Yes	No
Hydrotreated light oil, aliphatic	64741-96-4	No	Yes	No
Hydrotreated light petroleum distillate	64742-52-5	No	Yes	No
Imidazolidinedione,1,3-bis(2-hydroxyethyl)-5,5-Dimethyl,2-4	26850-24-8	No	Yes	No
Indene	95-13-6	No	Yes	Yes
Indeno (1,2,3-cd)pyrene [POM]	193-39-5	Yes	Yes	Yes
Indium, & compounds as In	7440-74-6	No	No	Yes
Iodine	7553-56-2	No	No	Yes
Iodoform	75-47-8	No	Yes	Yes
Iron oxide fumes, Fe2O3 as Fe	1309-37-1	No	No	Yes
Iron pentacarbonyl, as Fe	13463-40-6	No	No	Yes
Iron powder	65997-19-5	No	No	No
Iron salts, soluble as Fe	81101	No	No	Yes

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Chemical_Name	CAS	HAP?	VOC?	TAC?
Isoamyl acetate	123-92-2	No	Yes	Yes
Isoamyl alcohol	123-51-3	No	No	Yes
Isobenzofurandione/2,5-Furandione,2,2-Oxybis	26098-37-3	No	Yes	No
Isobutyl acetate	110-19-0	No	Yes	Yes
Isobutyl alcohol	78-83-1	No	Yes	Yes
Isobutyl butyrate	539-90-2	No	Yes	No
Isobutyl Isobutyrate	97-85-8	No	Yes	No
ISOBUTYRONITRILE (2-METHYL-PROPANENITRILE)	78-82-0	No	Yes	No
Isocyanate terminated polyester prepolmer	54954-83-5	No	Yes	No
Isocytl alcohol	26952-21-6	No	Yes	Yes
Isoparaffinic hydrocarbon	64742-96-1	No	Yes	No
Isophorone	78-59-1	Yes	Yes	Yes
Isophorone diisocyanate	4098-71-9	No	Yes	Yes
Isopropoxyethanol	109-59-1	No	Yes	Yes
Isopropyl acetate	108-21-4	No	Yes	Yes
Isopropyl alcohol (Isopropanol)	67-63-0	No	Yes	Yes
METHYLETHYL ESTER)	108-23-6	No	Yes	No
Isopropyl ether	108-20-3	No	Yes	Yes
Isopropyl glycidyl ether (IGE)	4016-14-2	No	Yes	Yes
Isopropyl oils	43112	No	Yes	Yes
Isopropylamine	75-31-0	No	Yes	Yes
Kerosene	8008-20-6	No	Yes	No
Ketene	463-51-4	No	Yes	Yes
Keto-amine (substituted)	70776-86-2	No	Yes	No
ACETALDEHYDE)	78-97-7	No	Yes	No
Lard oil	8016-28-2	No	Yes	No
Lead acetate [lead compound]	301-04-2	Yes	Yes	Yes
Lead and compounds	7439-92-1	Yes	No	Yes
Lead arsenate, as Pb2(AsO4)2 [lead and arsenic compound]	3687-31-8	Yes	No	Yes
Lead chromate, as Cr [lead and chromium compound]	7758-97-6	Yes	No	Yes
Lead compounds (PBC)	PBC	Yes	No	Yes
Lead phosphate [lead compound]	7446-27-7	Yes	No	Yes
Liquified petroleum gas	68476-85-7	No	Yes	Yes
Lithium	7439-93-2	No	No	No
Lithium hydride	7580-67-8	No	No	Yes
Magnesium chromate	13423-61-5	No	No	No
Magnesium oxide fumes	1309-48-4	No	No	Yes
Magnesium resinate(1)	68611-24-5	No	Yes	No
Malathion	121-75-5	No	Yes	Yes
Maleic anhydride	108-31-6	Yes	Yes	Yes
Manganese and compounds	7439-96-5	Yes	No	Yes
Manganese cyclopentadienyl tricarbonyl [manganese compound]	12079-65-1	Yes	Yes	Yes
Manganese dioxide	1313-13-9	No	No	No
m-Cresol	108-39-4	Yes	Yes	Yes
Mercaptan terminated polymer	119147-89-6	No	Yes	No
Mercaptobenzothiazole (mtb)	149-30-4	No	Yes	No
Mercury and compounds	7439-97-6	Yes	No	Yes
Mesityl oxide	141-79-7	No	Yes	Yes
Mesitylene (1,3,5-Trimethylbenzene)	108-67-8	No	Yes	No
Methacrylic acid	79-41-4	No	Yes	Yes
Methane	74-82-8	No	No	No

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Chemical_Name	CAS	HAP?	VOC?	TAC?
Methomyl	16752-77-5	No	Yes	Yes
Methoxychlor	72-43-5	Yes	Yes	Yes
Methyl 2-cyanoacrylate	137-05-3	No	Yes	Yes
Methyl acetate	79-20-9	No	No	Yes
Methyl acetylene	74-99-7	No	Yes	Yes
Methyl acetylene-propadiene mixture (MAPP)	59355-75-8	No	Yes	Yes
Methyl acrylate	96-33-3	No	Yes	Yes
Methyl alcohol (Methanol)	67-56-1	Yes	Yes	Yes
Methyl azoxymethyl acetate	592-62-1	No	Yes	Yes
Methyl bromide (Bromomethane)	74-83-9	Yes	Yes	Yes
Methyl cellosolve (2-Methoxyethanol)	109-86-4	No	Yes	Yes
Methyl chloride (Chloromethane)	74-87-3	Yes	Yes	Yes
CARBONCHORIDIC ACID)	79-22-1	No	Yes	No
Methyl demeton	8022-00-2	No	Yes	Yes
Methyl ethyl ketone peroxide	1338-23-4	No	Yes	Yes
Methyl formate	107-31-3	No	Yes	Yes
Methyl hydrazine	60-34-4	Yes	Yes	Yes
Methyl iodide (Iodomethane)	74-88-4	Yes	Yes	Yes
Methyl isoamyl ketone	110-12-3	No	Yes	Yes
Methyl isobutyl carbinol	108-11-2	No	Yes	Yes
Methyl isobutyl ketone (MIBK; Hexone)	108-10-1	Yes	Yes	Yes
Methyl isocyanate	624-83-9	Yes	Yes	Yes
Methyl isopropyl ketone	563-80-4	No	Yes	Yes
Methyl mercaptan	74-93-1	No	Yes	Yes
Methyl methacrylate	80-62-6	Yes	Yes	Yes
Methyl n-amyl ketone	110-43-0	No	Yes	Yes
Methyl oleate	112-62-9	No	Yes	No
Methyl parathion	298-00-0	No	Yes	Yes
Methyl silicate	681-84-5	No	Yes	Yes
Methyl tert butyl ether	1634-04-4	Yes	Yes	Yes
METHYL THIOCYANATE (THIOCYANIC ACID, METHYL ESTER)	556-64-9	No	Yes	No
Methyl violet 2B	8004-87-3	No	Yes	No
Methyl-3 (3-phenylene)bis(n,n-dimethylurea), n'n	26604-41-1	No	Yes	No
Methylacrylonitrile	126-98-7	No	Yes	Yes
Methylal	109-87-5	No	Yes	Yes
Methylamine	74-89-5	No	Yes	Yes
Methylcyclohexane	108-87-2	No	Yes	Yes
Methylcyclohexanol	25639-42-3	No	Yes	Yes
Methylcyclopentadienyl manganese tricarbonyl [manganese compound]	12108-13-3	Yes	Yes	Yes
Methylene bis(4-cyclo-hexylisocyanate; cyclohexane)	5124-30-1	No	Yes	Yes
Methylene bis(phenyl isocyanate)(Methylene diphenyl diisocyanate MDI)	101-68-8	Yes	Yes	Yes
Methylene diphenyl diisocyanate	100-68-8	No	Yes	No
Methyloxy-2-propanol acetate	108-65-6	No	Yes	No
Methyltriacetroxysilane	4253-34-3	No	Yes	No
Methyltrimethoxysilane	1185-55-3	No	Yes	No
Metribuzine	21087-64-9	No	Yes	Yes
Mevinphos	7786-34-7	No	Yes	Yes
Mineral seal oil	64741-44-2	No	Yes	No
Mineral spirits	64475-85-0	No	Yes	No
Mineral spirits	64742-88-7	No	Yes	No
Mirex	2385-85-5	No	Yes	Yes

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Chemical_Name	CAS	HAP?	VOC?	TAC?
Molybdenum and compounds	7439-98-7	No	No	Yes
Molybdenum disulfide	1317-33-5	No	No	No
Molybdenum, bis(O,O-bis(2-ethylhexyl)phosphorodithioate-	68958-92-9	No	No	No
Monocrotophos	6923-22-4	No	Yes	Yes
Monododecyl ester of sulfuric	151-41-7	No	Yes	No
Morpholine	110-91-8	No	Yes	Yes
m-Phtalodinitrile	626-17-5	No	Yes	Yes
m-Toluidine	108-44-1	No	Yes	Yes
m-Xylene a,a'-diamine (Benzenedimethanamine)	1477-55-0	No	Yes	Yes
m-Xylenes	108-38-3	Yes	Yes	Yes
N-(4-(5-Nitro-2-furyl)-2-thiazolyl)acetamide	531-82-8	No	No	Yes
N,N-Diacetylbenzidine	613-35-4	No	Yes	Yes
N,N-Dimethylaniline (N-N-Diethyl aniline)	121-69-7	Yes	Yes	Yes
Naled	300-76-5	No	Yes	Yes
n-Amyl acetate	628-63-7	No	Yes	Yes
n-Amyl alcohol (1-Pentanol, Pentyl alcohol, n-Butyl carbinol)	71-41-0	No	Yes	No
Naphtha (petroleum) heavy alkylated (isopar)	64741-65-7	No	Yes	No
Naphtha (Rubber solvents)	8030-30-6	No	Yes	Yes
Naphthalene	91-20-3	Yes	Yes	Yes
Naphthenic distillate chemically neutralized, hvy	64742-34-3	No	Yes	No
Napthenic distillate	64742-53-6	No	Yes	No
Nateral earth minerals	61790-53-2	No	No	No
n-Butyl acetate	123-86-4	No	Yes	Yes
n-Butyl alcohol	71-36-3	No	Yes	Yes
n-Butyl glycidyl ether (BGE)	2426-08-6	No	Yes	Yes
n-Butyl lactate	138-22-7	No	Yes	Yes
n-Butylamine	109-73-9	No	Yes	Yes
Neopentyl glycol diglycidyl ether	17557-23-2	No	Yes	No
N-Ethylmorpholine	100-74-3	No	Yes	Yes
Nickel	7440-02-2	No	No	No
Nickel and compounds	7440-02-0	Yes	No	Yes
Nickel carbonyl, as Ni	13463-39-3	No	No	No
Nickel oxide	1313-99-1	No	No	No
Nickel sulfate	7786-81-4	No	No	No
Nickel-refinery dust subsulfide	12035-72-2	No	No	No
Nicotine	54-11-5	No	Yes	Yes
N-Isopropylaniline	768-52-5	No	Yes	Yes
Nitrapyrin	1929-82-4	No	Yes	Yes
Nitric acid	7697-37-2	No	No	Yes
Nitric oxide	10102-43-9	No	No	Yes
Nitrobenzene	98-95-3	Yes	Yes	Yes
Nitrobenzene sulfonic acid, M-, sodium salt	127-68-4	No	Yes	No
Nitroethane	79-24-3	No	Yes	Yes
Nitrofen	1836-75-5	No	Yes	Yes
Nitrofurans furazolidone	43114	No	Yes	Yes
Nitrofurazone	59-87-0	No	Yes	Yes
Nitrogen mustard N-oxide	126-85-2	No	Yes	Yes
Nitrogen mustard N-oxide hydro-chloride	302-70-5	No	Yes	Yes
Nitrogen Oxides	NO2	No	No	No
Nitrogen trifluoride	7783-54-2	No	No	Yes
Nitroglycerin	55-63-0	No	Yes	Yes

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Chemical_Name	CAS	HAP?	VOC?	TAC?
Nitromethane	75-52-5	No	Yes	Yes
Nitrotoluene	88-72-2	No	Yes	Yes
N-Methyl aniline	100-61-8	No	Yes	Yes
N-Nitrosodiethylamine(diethylnitrosoamine)(DEN)	55-18-5	No	Yes	Yes
N-Nitrosodimethylamine	62-75-9	Yes	Yes	Yes
N-Nitrosodi-n-butylamine	924-16-3	No	Yes	Yes
N-Nitrosodi-n-propylamine	621-64-1	No	Yes	Yes
N-Nitrosodiphenylamine	86-30-6	No	Yes	Yes
N-Nitrosomethylethylamine	10595-95-6	No	No	Yes
N-Nitrosomorpholine	59-89-2	Yes	Yes	Yes
N-Nitroso-n-ethylurea (NEU)	759-73-9	No	Yes	Yes
N-Nitroso-N-methylurea (NMU)	684-93-5	Yes	Yes	Yes
N-Nitroso-n-methylurethane	615-53-2	No	Yes	Yes
N-Nitrosopyrrolidine	930-55-2	No	Yes	No
Nonane	111-84-2	No	Yes	Yes
Nonylphenol (2)	25154-52-3	No	Yes	No
Nonylphenoxy-poly(Ethyleneoxy) Ethanol	9016-45-9	No	Yes	No
N-Phenyl-2-napthylamine	135-88-6	No	Yes	Yes
n-Propyl acetate	109-60-4	No	Yes	Yes
n-Propyl alcohol	71-23-8	No	Yes	Yes
n-Propyl nitrate	627-13-4	No	Yes	Yes
n-Valeraldehyde	110-62-3	No	Yes	Yes
o-Aminoazotoluene	97-56-3	No	Yes	Yes
o-Anisidine	90-04-0	Yes	Yes	Yes
o-Chlorobenzylidene malononitrile	2698-41-1	No	Yes	Yes
o-Chlorostyrene	2039-87-4	No	Yes	Yes
o-Chlorotoluene	95-49-8	No	Yes	Yes
o-Cresol	95-48-7	Yes	Yes	Yes
Octachloronaphthalene	2234-13-1	No	Yes	Yes
Octane	111-65-9	No	Yes	Yes
Octylphenoxy Polyethoxyethanol	9036-19-5	No	Yes	No
Octylphenoxypolyethanolnonionics urfact	9002-93-1	No	Yes	No
o-Dichlorobenzene	95-50-1	No	Yes	Yes
Oil orange SS	2646-17-5	No	Yes	Yes
Oleic acid, tetraethylene pentamine polymer	70321-87-8	No	Yes	No
o-Methylcyclohexanone	583-60-8	No	Yes	Yes
Organophilic clay (1)	68953-58-2	No	No	No
Organophosphate ester	3658-48-8	No	Yes	No
o-sec-Butylphenol	89-72-5	No	Yes	Yes
Osmium tetroxide as Os	20816-12-0	No	Yes	Yes
Other Hazardous Air Pollutant (HAP)	43208	Yes	Yes	Yes
Other non-VOC HAP	43218	Yes	No	Yes
Other non-VOC, non-HAP TAC	43219	No	No	Yes
Other Toxic Air Contaminant (TAC)	43209	No	Yes	Yes
Other Volatile Organic Compounds (VOC)	43207	No	Yes	No
o-Toluidine	95-53-4	Yes	Yes	Yes
o-Toluidine hydrochloride	636-21-5	No	Yes	Yes
Oxabicyclo (4.1.0)heptane-3-carboxylic acid -	2386-87-0	No	Yes	No
Oxalic acid	144-62-7	No	Yes	Yes
Oxirane,((2,4-dibromo-6-methyl-phenoxy)methyl)	75150-13-9	No	Yes	No
Oxygen difluoride	7783-41-7	No	Yes	Yes

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Chemical_Name	CAS	HAP?	VOC?	TAC?
o-Xylenes	95-47-6	Yes	Yes	Yes
P(p)(alpha, alpha, alpha) Tetra-chlorotoluene	5216-25-1	No	Yes	Yes
Palladium	7440-05-3	No	No	No
Panfuran S (dihydroxymethyl-furatrizine)	794-93-4	No	Yes	Yes
Paraffin oil (Oil mist, mineral)	8012-95-1	No	Yes	Yes
Paraffin, chlorinated	108171-27-3	No	Yes	No
Paraffinic distillate, solvent refined	64741-88-4	No	Yes	No
Paraffinic petroleum distillates	64742-65-0	No	Yes	No
Paraffins	210-12-0	No	Yes	No
Parafin wax fumes	8002-74-2	No	Yes	Yes
Paraquat	4685-14-7	No	Yes	Yes
Parathion	56-38-2	Yes	Yes	Yes
Particulate Matter	PM10	No	No	No
Particulate Matter	PM2.5	No	No	No
p-Cresol	106-44-5	Yes	Yes	Yes
Pentaborane	19624-22-7	No	Yes	Yes
Pentachloronaphthalene	1321-64-8	No	Yes	Yes
Pentachloronitrobenzene (quintobenzene)	82-68-8	Yes	Yes	Yes
Pentachlorophenol	87-86-5	Yes	Yes	Yes
Pentafluoroethane (HFC-125)	354-33-6	No	No	No
Pentane	109-66-0	No	Yes	Yes
Perchloroethylene (tetrachloroethylene)	127-18-4	Yes	No	Yes
Perchloromethyl mercaptan	594-42-3	No	Yes	Yes
Perchloryl fluoride	7616-94-6	No	Yes	Yes
PEROXYACETIC ACID (ETHANEPEROXOIC ACID)	79-21-0	No	Yes	No
Petrolatum	8009-03-8	No	Yes	No
Petroleum base oil	72623-83-7	No	Yes	No
Petroleum distillate (hydrocarbon oil)	8002-05-9	No	Yes	No
Petroleum distillate, hydrotreated light	64742-47-8	No	Yes	No
Petroleum distillates	64742-46-7	No	Yes	No
Petroleum distillates	68477-31-6	No	Yes	No
Petroleum naphtha, paraffins & naphthenes	64742-89-8	No	Yes	No
Petroleum oil (severely hydrated)	70592-78-8	No	Yes	No
Petroleum oil fraction, mineral seal oil	64742-80-9	No	Yes	No
Petroleum sulfonate	61789-83-3	No	Yes	No
Petroleum waxes	63231-60-7	No	Yes	No
Phenol	108-95-2	Yes	Yes	Yes
Phenol,polymer w/2,6,6-Trimethylbicyclo[3.1.1]H EPT-2-ENE	25359-84-6	No	Yes	No
Phenol/formaldehyde resin	9039-25-2	No	Yes	No
Phenol-formaldehyde resin	9003-35-4	No	Yes	No
Phenolic novolak resin	28064-14-4	No	Yes	No
Phenolic resin	66554-75-4	No	Yes	No
Phenothiazine	92-84-2	No	Yes	Yes
Phenoxybenzamine hydrochloride	63-92-3	No	Yes	Yes
Phenyl ether	101-84-8	No	Yes	Yes
Phenyl glycidyl ether	122-60-1	No	Yes	Yes
Phenyl mercaptan	108-98-5	No	Yes	Yes
Phenylhydrazine	100-63-0	No	Yes	Yes
Phenylphosphine	638-21-1	No	Yes	Yes
Phorate	298-02-2	No	Yes	Yes
Phosgene	75-44-5	Yes	No	Yes

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Phosphine	7803-51-2	Yes	Yes	Yes
Phosphoric acid	7664-38-2	No	No	Yes
Phosphorus	7723-14-0	Yes	No	Yes
Phosphorus oxychloride	10025-87-3	No	No	Yes
Phosphorus pentachloride	10026-13-8	No	No	Yes
Phosphorus pentasulfide	1314-80-3	No	No	Yes
Phosphorus trichloride	7719-12-2	No	No	Yes
Phthalic anhydride	85-44-9	Yes	Yes	Yes
Picloram	1918-02-1	No	Yes	Yes
Picric acid	88-89-1	No	Yes	Yes
Pindone	83-26-1	No	Yes	Yes
Piperazine dihydrochloride	142-64-3	No	Yes	Yes
PIPERIDINE (AZACYCLOHEXANE)	110-89-4	No	Yes	No
Platinum (metals, soluble salts as Pt)	7440-06-4	No	No	Yes
p-Nitroaniline	100-01-6	No	Yes	Yes
p-Nitrochlorobenzene	100-00-5	No	Yes	Yes
Poly (butadiene-styrene)	9003-55-8	No	Yes	No
Poly(oxy-1,4-butanediyl)-alpha-hydroxy-om egs-hydro	9069-50-5	No	Yes	No
Polyalkalene glycol	25322-69-4	No	Yes	No
Polyamide resin	68082-29-1	No	Yes	No
Polyaromatic hydrocarbons (PAH)	43116	No	Yes	Yes
Polychlorinated biphenyls (arochlors) (PCBs)	1336-36-3	Yes	Yes	Yes
Polychloroprene	9010-98-4	No	Yes	No
Polycyclic Organic Matter (POM)	POM	Yes	Yes	Yes
Polydimethylsiloxane	70131-67-8	No	Yes	No
Polyester polyols	5884-84-9	No	Yes	No
Polyester resin	99546-37-9	No	Yes	No
Polyester resin(1)	68797-54-6	No	Yes	No
Polyester resin(2)	85959-88-2	No	Yes	No
Polyester resin, unsaturated (2)	25464-21-5	No	Yes	No
Polyether polyol	29434-03-5	No	No	No
Polyethylene glycol, 400	25322-68-3	No	Yes	No
Polyethylene polyamines	29320-38-5	No	Yes	No
Polyisocyanate	3779-63-3	No	Yes	No
Polymeric MD1 type	9016-87-9	No	Yes	No
Polymerized resin	65997-05-9	No	Yes	No
Polymethylene polyphenyl	25214-70-4	No	Yes	No
Polymethylene polyphenyl amine polyalkylphenyl amine	69178-40-1	No	Yes	No
Polymethylmethacrylate monopolymer	9010-88-2	No	Yes	No
Polyoxypropylene triol	25723-16-4	No	Yes	No
Polypropylene	9003-07-0	No	Yes	No
Polypropylene polygycol	68310-52-1	No	Yes	No
Polysulfide liquid polmer	68611-50-7	No	Yes	No
Polytetrafluoroethylene	9002-84-0	No	Yes	No
Polytrimethylhydrosilylsilicate	68988-56-7	No	Yes	No
Polyurethane prepolymer	66101-60-8	No	No	No
Ponceau MX	3761-53-3	No	Yes	Yes
Potassium carbonate	584-08-7	No	No	No
Potassium dicyanoaurate	13967-50-5	No	No	No
Potassium ferricyanide	13746-66-2	No	No	No
Potassium fluoborate	14075-53-7	No	No	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Potassium fluozirconate	16923-95-8	No	No	No
Potassium hydroxide	1310-58-3	No	No	Yes
Potassium sulfite	10117-38-1	No	No	No
p-Phenylenediamine	106-50-3	Yes	Yes	Yes
Primary aluminum smelter uncontrolled roof vent PAH emissions	81113	No	No	Yes
Propane	74-98-6	No	Yes	No
Propane/isobutane(1)	68476-86-8	No	Yes	No
PROPANENITRILE (ETHYL CYANIDE)	107-12-0	No	Yes	No
Propargyl alcohol	107-19-7	No	Yes	Yes
Propionaldehyde	123-38-6	Yes	Yes	Yes
Propoxur (Baygon)	114-26-1	Yes	Yes	Yes
Proprionic acid	79-09-4	No	Yes	Yes
PROPYL ESTER)	109-61-5	No	Yes	No
Propylene dichloride (1,2-Dichloropropane)	78-87-5	Yes	Yes	Yes
Propylene glycol dinitrate	6423-43-4	No	Yes	Yes
Propylene glycol methyl ether acetate	88917-22-0	No	Yes	No
Propylene glycol mono-methyl ether	107-98-2	No	Yes	Yes
Propylene oxide	75-56-9	Yes	Yes	Yes
p-tert-Butyltoluene	98-51-1	No	Yes	Yes
p-Toluidine	106-49-0	No	Yes	Yes
p-Xylenes	106-42-3	Yes	Yes	Yes
Pyrethrum	8003-34-7	No	Yes	Yes
Pyridine	110-86-1	No	Yes	Yes
PYRIDINE, 5-ETHENYL-2-METHYL (5-VINYL-2-PICOLINE)	140-76-1	No	Yes	No
Quinoline	91-22-5	Yes	Yes	Yes
Quinone (1,4-Cyclohexadienedione)	106-51-4	Yes	Yes	Yes
Radionuclides, including RaDon (RD)	RD	Yes	No	Yes
Refined mineral oils	8020-83-5	No	Yes	No
Residual oils (petroleum) solvent refined	64742-01-4	No	Yes	No
Resin [1]	25767-47-9	No	No	No
Resin ester	65997-13-9	No	Yes	No
Resorcinol	108-46-3	No	Yes	Yes
Rhodium and compounds	7440-16-6	No	No	Yes
Ronnel	299-84-3	No	Yes	Yes
Rosin	8050-09-7	No	Yes	No
Rotenone	83-79-4	No	Yes	Yes
sec-Amyl acetate	626-38-0	No	Yes	Yes
sec-Butyl acetate	105-46-4	No	Yes	Yes
sec-Butyl alcohol	78-92-2	No	Yes	Yes
sec-Hexyl acetate	108-84-9	No	Yes	Yes
Selenium and compounds	7782-49-2	Yes	No	Yes
Selenium hexafluoride, as Se [selenium compound]	7783-79-1	Yes	No	Yes
Selenium sulfide	7446-34-6	No	No	No
Sesone	136-78-7	No	Yes	Yes
SILANE (DICHLORODIMETHYLSILANE)	75-78-5	No	Yes	No
SILANE (METHYLTRICHLOROSILANE)	75-79-6	No	Yes	No
SILANE (TRIMETHYLCHLOROSILANE)	75-77-4	No	Yes	No
SILANE, TRICHLOROETYL (ETHYLTRICHLOROSILANE)	115-21-9	No	Yes	No
Silica, amorphous fused	60676-86-0	No	No	No
Silica, Dimethylvinylated and Trimethylated	68988-89-6	No	Yes	No
Silicon Dioxide	63231-67-4	No	No	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Silicon oxide	14808-60-7	No	No	No
Silicon tetrahydride (Silane)	7803-62-5	No	No	Yes
Silver, metals and soluble compounds	7440-22-4	No	No	Yes
Sodium Acetate	127-09-3	No	Yes	No
Sodium azide	26628-22-8	No	Yes	Yes
Sodium bisulfite	7631-90-5	No	No	Yes
Sodium Borohydride	16940-66-2	No	No	No
Sodium Carbonate	497-19-8	No	No	No
Sodium Carbonate	5968-11-6	No	No	No
Sodium Chromate	7775-11-3	No	No	No
Sodium cyanide	143-33-9	No	Yes	No
Sodium Dichromate	10588-01-9	No	No	No
Sodium Dichromate Dihydrate	7789-12-0	No	No	No
Sodium diethyldithiocarbamate	148-18-5	No	Yes	No
Sodium Dimethyldithiocarbamate	128-04-1	No	Yes	No
Sodium Dodecylbenzene Sulfonate	25155-30-0	No	Yes	No
Sodium Fluoborate	13755-29-8	No	No	No
Sodium fluoroacetate	62-74-8	No	Yes	Yes
Sodium Formaldehyde Bisulfite	870-72-4	No	Yes	No
Sodium hydroxide	1310-73-2	No	No	Yes
Sodium metabisulfite	7681-57-4	No	No	Yes
Sodium Metaborate Octahydrate	7775-19-1	No	No	No
Sodium Metasilicate	6834-92-0	No	No	No
Sodium Petroleum Sulfonate	68608-26-4	No	Yes	No
Sodium Phosphate, Tribasic (H5010P3,5NA)	7758-29-4	No	No	No
Sodium Sulfite	7757-83-7	No	No	No
Sodium Tetraborate, Pentahydrate	1330-43-4	No	No	No
Solvent black	8005-02-5	No	Yes	No
Solvent Blue 5	1325-86-6	No	Yes	No
Solvent refined, hydrotreated residual oil	64742-57-0	No	Yes	No
Solvent-Dewaxed Residual Oil	64742-62-7	No	Yes	No
Soots, tars, and mineral oils	81107	No	Yes	No
Stannous Chloride	7772-99-8	No	No	No
Stannous Oxide	21651-19-4	No	No	No
Stibine	7803-52-3	No	Yes	Yes
Stoddard solvent	8052-41-3	No	Yes	No
Strontium Chromate	7789-06-2	Yes	No	Yes
Strychnine	57-24-9	No	Yes	Yes
Styrene	100-42-5	Yes	Yes	Yes
Styrene acrylic resin	25213-39-2	No	Yes	No
Styrene oxide	96-09-3	Yes	Yes	Yes
Styrene polymer	9003-53-6	No	Yes	No
Styrene-isoprene copolymer	25038-32-8	No	Yes	No
Subtilisins	1395-21-7	No	Yes	Yes
Sulfotep	3689-24-5	No	Yes	Yes
Sulfur	7704-34-9	No	No	No
Sulfur hexafluoride	2551-62-4	No	No	Yes
Sulfur monochloride	10025-67-9	No	No	Yes
Sulfur Oxides	SO2	No	No	No
Sulfur pentafluoride	5714-22-7	No	No	Yes
Sulfur tetrafluoride	7783-60-0	No	No	Yes

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Sulfur Trioxide	7446-11-9	No	No	No
Sulfuric acid	7664-93-9	No	No	Yes
Sulfurized fatty oil	68991-19-5	No	Yes	No
Sulfuryl fluoride	2699-79-8	No	No	Yes
Sulprofos	35400-43-2	No	Yes	Yes
Talc	14807-96-6	No	No	No
Tall-Oil Rosin	8002-26-4	No	No	No
Tall-Oil Rosin	8052-10-6	No	Yes	No
Tantalum, metals & oxide dusts	7440-25-7	No	No	Yes
Tellurium & compounds as Te	13494-80-9	No	No	Yes
Tellurium hexafluoride, as Te	7783-80-4	No	No	Yes
Temephos	3383-96-8	No	Yes	Yes
TEPP	107-49-3	No	Yes	Yes
Tergitol NP9 (A Nonionic Surfactant)	26027-38-3	No	Yes	No
Terphenyls	26140-60-3	No	Yes	Yes
Terphenyls, hydrogenated	61788-32-7	No	Yes	No
Terpineol	98-55-5	No	Yes	No
tert-Butyl acetate	540-88-5	No	Yes	Yes
tert-Butyl alcohol	75-65-0	No	Yes	Yes
tert-Butyl chromate, as CrO3 [chromium compound]	1189-85-1	Yes	Yes	Yes
Tetrabromobisphenol A	79-94-7	No	Yes	No
Tetrachloronaphthalene	1335-88-2	No	Yes	Yes
Tetraethyl lead, as Pb [lead compound]	78-00-2	Yes	Yes	Yes
Tetraethylene pentamine	112-57-2	No	Yes	No
Tetraethylsilicate	26352-16-9	No	Yes	No
Tetrahydrofuran	109-99-9	No	Yes	Yes
Tetramethyl lead, as Pb [lead compound]	75-74-1	Yes	Yes	Yes
Tetramethyl succinonitrile	3333-52-6	No	Yes	Yes
Tetranitromethane	509-14-8	No	Yes	Yes
Tetraoctyl Titanate (2)	1070-10-6	No	Yes	No
Tetrasodium pyrophosphate	7722-88-5	No	No	Yes
Tetryl	479-45-8	No	Yes	Yes
Thallium, soluble compounds, Tl	7440-28-0	No	No	Yes
Thioglycolic acid	68-11-1	No	Yes	Yes
Thionyl chloride	7719-09-7	No	Yes	Yes
Thirum	137-26-8	No	Yes	Yes
Thorium dioxide	1314-20-1	No	No	Yes
Tin and compounds	7440-31-5	No	No	Yes
Titanium	7440-32-6	No	No	No
Titanium tetrachloride	7550-45-0	Yes	No	Yes
Toluene	108-88-3	Yes	Yes	Yes
Toluene-2,4-diisocyanate (TDI)	584-84-9	Yes	Yes	Yes
BENZENE)	91-08-7	No	Yes	No
Total HAP Pollutant	THAP	Yes	No	No
Total non-methane organic compounds	TNMOC	No	No	No
Toxaphene (Chlorinated camphene)	8001-35-2	Yes	Yes	Yes
Trans-2((Dimethylamino)methylimino)-5-(2-(5-nitro-2-furyl)vinyl-1,3,4-ox	55738-54-0	No	Yes	Yes
Tri (Dimethylaminomethyl) Phenol	90-72-2	No	Yes	No
Tributyl phosphate	126-73-8	No	Yes	Yes
Trichloroacetic acid	76-03-9	No	Yes	Yes
Trichloroethylene	79-01-6	Yes	Yes	Yes

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Trichlorofluoromethane (CFC-11)	75-69-4	No	No	Yes
Trichloronaphthalene	1321-65-9	No	Yes	Yes
Trichlorophenol (mixed)	25167-82-2	No	Yes	Yes
Tricresyl phosphate (1)	1330-78-5	No	Yes	No
Triethanolamine	102-71-6	No	Yes	No
Triethylamine	121-44-8	Yes	Yes	Yes
Triethylene Glycol	112-27-6	No	Yes	No
Triethylene tetramine polymer with methyl oxirane	26950-63-0	No	Yes	No
Trifluoroborane	7637-07-2	No	No	Yes
Trifluorobromomethane	75-63-8	No	Yes	Yes
Trifluralin	1582-09-8	Yes	Yes	Yes
Trihalogenated methanes	43117	No	Yes	No
Trimellitic anhydride	552-30-7	No	Yes	Yes
Trimethyl benzene	25551-13-7	No	Yes	Yes
Trimethyl phosphite	121-45-9	No	Yes	Yes
Trimethylamine	75-50-3	No	Yes	Yes
Trimethylated silica	68909-20-6	No	Yes	No
Triorthocresyl phosphate	78-30-8	No	Yes	Yes
Triphenyl amine	603-34-9	No	Yes	Yes
Triphenyl phosphate	115-86-6	No	Yes	Yes
Tripropylene glycol methyl ether(1)	20324-33-8	No	Yes	No
Trixylenyl phosphate	25155-23-1	No	Yes	No
Tungsten and compounds	7440-33-7	No	No	Yes
Turpentine	8006-64-2	No	Yes	Yes
Unsaturated Polyester Resin	25037-66-5	No	Yes	No
Uranium and compounds	7440-61-1	No	No	Yes
Urethan (Ethyl carbamate)	51-79-6	Yes	Yes	Yes
Vanadium, as V2O5	1314-62-1	No	No	Yes
Vinyl acetate	108-05-4	Yes	Yes	Yes
Vinyl acetate copolymer	24937-78-8	No	Yes	No
Vinyl bromide	593-60-2	Yes	Yes	Yes
Vinyl chloride	75-01-4	Yes	Yes	Yes
Vinyl chloride/acetate polymer	9003-22-9	No	Yes	No
Vinyl cyclohexene dioxide	106-87-6	No	Yes	Yes
Vinyl toluene	25013-15-4	No	Yes	Yes
Vinylidine chloride (1,1-Dichloroethylene)	75-35-4	Yes	Yes	Yes
VM & P Naphtha	8032-32-4	No	Yes	Yes
Volatile Organic Compounds (VOC)	VOC	No	Yes	No
Volatile Petroleum Distillate	64742-95-6	No	Yes	No
Warfarin	81-81-2	No	Yes	Yes
Welding fumes	81108	No	No	Yes
Wet Nitrocellolose	9004-70-0	No	Yes	No
White Mineral Oil	8042-47-5	No	Yes	No
Xylenes	1330-20-7	Yes	Yes	Yes
Xylidine	1300-73-8	No	Yes	Yes
Yttrium, metal and compounds as Y	7440-65-5	No	No	Yes
Zinc chloride fumes	7646-85-7	No	No	Yes
Zinc chromates [chromium compound]	13530-65-9	Yes	No	Yes
Zinc Dithiophosphate	19210-06-1	No	No	No
Zinc oxide, fumes	1314-13-2	No	No	Yes
Zinc Resinate	9010-69-9	No	Yes	No

Chemicals - Reference Only

Chemical_Name	CAS	HAP?	VOC?	TAC?
Zirconium compounds. as Zr	7440-67-7	No	No	Yes

EPAControlDeviceCode	Description
000	UNCONTROLLED
001	WET SCRUBBER - HIGH EFFICIENCY
002	WET SCRUBBER - MEDIUM EFFICIENCY
003	WET SCRUBBER - LOW EFFICIENCY
004	GRAVITY COLLECTOR - HIGH EFFICIENCY
005	GRAVITY COLLECTOR - MEDIUM EFFICIENCY
006	GRAVITY COLLECTOR - LOW EFFICIENCY
007	CENTRIFUGAL COLLECTOR (CYCLONE) - HIGH EFFICIENCY
008	CENTRIFUGAL COLLECTOR (CYCLONE) - MEDIUM EFFICIENCY
009	CENTRIFUGAL COLLECTOR (CYCLONE) - LOW EFFICIENCY
010	ELECTROSTATIC PRECIPITATOR - HIGH EFFICIENCY
011	ELECTROSTATIC PRECIPITATOR - MEDIUM EFFICIENCY
012	ELECTROSTATIC PRECIPITATOR - LOW EFFICIENCY
013	GAS SCRUBBER (GENERAL, NOT CLASSIFIED)
014	MIST ELIMINATOR - HIGH VELOCITY, I.E. V>250 FT/MIN
015	MIST ELIMINATOR - LOW VELOCITY, I.E. V<250 FT/MIN
016	FABRIC FILTER - HIGH TEMPERATURE, I.E. T>250F
017	FABRIC FILTER - MEDIUM TEMPERATURE, I.E. 180F<T<250F
018	FABRIC FILTER - LOW TEMPERATURE, I.E. T<180F
019	CATALYTIC AFTERBURNER
020	CATALYTIC AFTERBURNER WITH HEAT EXCHANGER
021	DIRECT FLAME AFTERBURNER
022	DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER
023	FLARING
024	MODIFIED FURNACE OR BURNER DESIGN
025	STAGED COMBUSTION
026	FLUE GAS RECIRCULATION
027	REDUCED COMBUSTION - AIR PREHEATING
028	STEAM OR WATER INJECTION
029	LOW EXCESS AIR FIRING
030	USE OF FUEL WITH LOW NITROGEN CONTENT
031	AIR INJECTION
032	AMMONIA INJECTION
033	CONTROL OF % O2 IN COMBUSTION AIR (OFF STOICHIOMETRIC FIRING)
034	WELLMAN-LORD/SODIUM SULFITE SCRUBBING
035	MAGNESIUM OXIDE SCRUBBING
036	DUAL ALKALI SCRUBBING
037	CITRATE PROCESS SCRUBBING
038	AMMONIA SCRUBBING
039	CATALYTIC OXIDATION - FLUE GAS DESULFURIZATION
040	ALKALIZED ALUMINA
041	DRY LIMESTONE INJECTION
042	WET LIMESTONE INJECTION
043	SULFURIC ACID PLANT - CONTACT PROCESS
044	SULFURIC ACID PLANT - DOUBLE CONTACT PROCESS
045	SULFUR PLANT
046	PROCESS CHANGE
047	VAPOR RECOVERY SYS (INCL. CONDENSERS, HOODING, OTHER
048	ACTIVATED CARBON ADSORPTION
049	LIQUID FILTRATION SYSTEM
050	PACKED-GAS ABSORPTION COLUMN
051	TRAY-TYPE GAS ABSORPTION COLUMN
052	SPRAY TOWER
053	VENTURI SCRUBBER
054	PROCESS ENCLOSED

EPAControlDeviceCode	Description
055	IMPINGEMENT PLATE SCRUBBER
056	DYNAMIC SEPARATOR (DRY)
057	DYNAMIC SEPARATOR (WET)
058	MAT OR PANEL FILTER
059	METAL FABRIC FILTER SCREEN (COTTON GINS)
060	PROCESS GAS RECOVERY
061	DUST SUPPRESSION BY WATER SPRAYS
062	DUST SUPPRESSION BY CHEMICAL STABILIZERS OR WETTING AGENTS
063	GRAVEL BED FILTER
064	ANNULAR RING FILTER
065	CATALYTIC REDUCTION
066	MOLECULAR SIEVE
067	WET LIME SLURRY SCRUBBING
068	ALKALINE FLY ASH SCRUBBING
069	SODIUM CARBONATE SCRUBBING
070	SODIUM-ALKALI SCRUBBING
071	FLUID BED DRY SCRUBBER
072	TUBE AND SHELL CONDENSER
073	REFRIGERATED CONDENSER
074	BAROMETRIC CONDENSER
075	SINGLE CYCLONE
076	MULTIPLE CYCLONE W/O FLY ASH REINJECTION
077	MULTIPLE CYCLONE W/ FLY ASH REINJECTION
078	BAFFLE
079	DRY ELECTROSTATIC GRANULAR FILTER (DEGF)
080	CHEMICAL OXIDATION
081	CHEMICAL REDUCTION
082	OZONATION
083	CHEMICAL NEUTRALIZATION
084	ACTIVATED CLAY ADSORPTION
085	WET CYCLONIC SEPARATOR
086	WATER CURTAIN
087	NITROGEN BLANKET
088	CONSERVATION VENT
089	BOTTOM FILLING
090	CONVERSION TO VARIABLE VAPOR SPACE TANK
091	CONVERSION TO FLOATING ROOF TANK
092	CONVERSION TO PRESSURIZED TANK
093	SUBMERGED FILLING
094	UNDERGROUND TANK
095	WHITE PAINT
096	VAPOR LOCK BALANCE RECOVERY SYSTEM
097	INSTALLATION OF SECONDARY SEAL FOR EXTERNAL FLOATING ROOF
098	MOVING BED DRY SCRUBBER
099	MISCELLANEOUS CONTROL DEVICES
100	BAGHOUSE
101	HIGH-EFFICIENCY PARTICULATE AIR FILTER (HEPA)
102	LOW SOLVENT COATINGS
103	POWDER COATINGS
104	WATERBORNE COATINGS
105	PROCESS MODIFICATION - ELECTROSTATIC SPRAYING
106	DUST SUPPRESSION BY PHYSICAL STABILIZATION
107	SELECTIVE NONCATALYTIC REDUCTION FOR NOX
108	DUST SUPPRESSION - TRAFFIC CONTROL
109	CATALYTIC OXIDIZER

EPAControlDeviceCode	Description
110	VAPOR RECOVERY UNIT
112	AFTERBURNER
113	ROTOCLONE
115	IMPINGEMENT TYPE WET SCRUBBER
116	CATALYTIC INCINERATOR
117	PACKED SCRUBBER
118	CROSSFLOW PACKED BED
119	DRY SCRUBBER
120	FLOATING BED SCRUBBER
121	MULTIPLE CYCLONES
122	QUENCH TOWER
123	SPRAY SCRUBBER
124	HIGH PRESSURE SCRUBBER
125	LOW PRESSURE SCRUBBER
127	FABRIC FILTER
128	ELECTROSTATIC PRECIPITATOR
129	SCRUBBER
130	CAUSTIC SCRUBBER
131	THERMAL OXIDIZER
132	CONDENSER
133	INCINERATOR
134	DEMISTER
137	HVAF
138	BOILER AT LANDFILL
139	SCR (SELECTIVE CATALYTIC REDUCTION)
140	NSCR (NON-SELECTIVE CATALYTIC REDUCTION)
141	WET SCRUBBER
143	WET SUPPRESSION
144	SPRAY SCREEN
145	SINGLE WET CAP
146	WET ELECTROSTATIC PRECIPITATOR
147	INCREASED AIR/FUEL RATIO WITH INTERCOOLING
148	CLEAN BURN
149	PRE-COMBUSTION CHAMBER
150	MECHANICAL COLLECTOR
151	FIBER MIST ELIMINATOR
152	MIST ELIMINATOR - HIGH EFFICIENCY
153	WATER SPRAYS
154	SCREENED DRUMS OR CAGES
155	PACKED BED SCRUBBER - HIGH EFFICIENCY
157	SCREEN
158	IONIZING WET SCRUBBER
159	ELECTRIFIED FILTER BED
201	KNOCK OUT BOX
202	SPRAY DRYER
203	CATALYTIC CONVERTER
204	OVERFIRE AIR
205	LOW NOX BURNERS
206	DRY SORBENT INJECTION
207	CARBON INJECTION
208	FREEBOARD REFRIGERATION DEVICE

ID

Reg	SourceName	SourceAddress	SourceCity
13460	Jorgensen Forge Corp	8531 E Marginal Wy S	Seattle

ID

SourceZip	SourceCounty	MailAddress	MailCity	MailState
98108	KING	8531 E Marginal Wy S	Seattle	WA

ID

MailZip	Contact1	Contact1Title	Contact1AreaCode	Contact1Phone
98108	Rick Clemans	CEO / President	206	676-9249

ID

Contact1Email	Contact2	Contact2Title	Contact2AreaCode
	Ron Altier	VP Admin & Environ Officer	206

ID

Contact2Phone	Contact2Email	NAICSCode	SIC_Code	Latitude
762-1100	raltier@jorgensenforge.com	332111	3462	47.525119

ID

Longitude	X_UTM	Y_UTM	OperationHoursPerDay	OperationDaysPerWeek
-122.301804	552.56	5263.54	10	2

ID

OperationWeeksPerYear	OperationStartTime	Throughput%ForDecFeb
46	10:00 PM	23

ID

Throughput%ForMarMay	Throughput%ForJunAug	Throughput%ForSepNov
22	31	24

Methods - Reference Only

MethodCode	Description
1	Emission Test
2	Material Balance
3	EPA Emission Factor
4	Engineering Judgment

Points

Reg	Point	Description	StackHeightInFeet	StackDiameterInFeet	ExitGasTemperatureInF	ExitGasFlowRateInCFM
13460	1	Steel Casting with Baghouse				
13460	2	Natural Gas Combustion	30	6	105	542000
13460	3	Natural Gas Combustion				
13460	4	Metal Heat Treating / Distillate Oil Combustion				

SCC_Code	SCC1Description	SCC3Description
1-01-002-17	External Combustion Boilers	Electric Generation
1-01-005-01	External Combustion Boilers	Electric Generation
1-01-005-04	External Combustion Boilers	Electric Generation
1-01-006-01	External Combustion Boilers	Electric Generation
1-01-009-03	External Combustion Boilers	Electric Generation
1-01-012-02	External Combustion Boilers	Electric Generation
1-02-002-04	External Combustion Boilers	Industrial
1-02-002-05	External Combustion Boilers	Industrial
1-02-002-17	External Combustion Boilers	Industrial
1-02-004-01	External Combustion Boilers	Industrial
1-02-004-04	External Combustion Boilers	Industrial
1-02-005-01	External Combustion Boilers	Industrial
1-02-005-04	External Combustion Boilers	Industrial
1-02-006-01	External Combustion Boilers	Industrial
1-02-006-02	External Combustion Boilers	Industrial
1-02-006-03	External Combustion Boilers	Industrial
1-02-009-02	External Combustion Boilers	Industrial
1-02-009-03	External Combustion Boilers	Industrial
1-02-009-05	External Combustion Boilers	Industrial
1-02-009-06	External Combustion Boilers	Industrial
1-02-010-02	External Combustion Boilers	Industrial
1-03-004-01	External Combustion Boilers	Commercial/Institutional
1-03-005-01	External Combustion Boilers	Commercial/Institutional
1-03-006-01	External Combustion Boilers	Commercial/Institutional
1-03-006-02	External Combustion Boilers	Commercial/Institutional
1-03-006-03	External Combustion Boilers	Commercial/Institutional
1-03-007-01	External Combustion Boilers	Commercial/Institutional
1-03-007-99	External Combustion Boilers	Commercial/Institutional
1-03-013-01	External Combustion Boilers	Commercial/Institutional
1-05-001-06	External Combustion Boilers	Space Heaters
2-01-001-02	Internal Combustion Engines	Electric Generation
2-01-007-02	Internal Combustion Engines	Electric Generation
2-01-008-02	Internal Combustion Engines	Electric Generation
2-01-900-99	Internal Combustion Engines	Electric Generation
2-02-001-01	Internal Combustion Engines	Industrial
2-02-001-02	Internal Combustion Engines	Industrial
2-02-002-02	Internal Combustion Engines	Industrial
2-02-003-01	Internal Combustion Engines	Industrial
2-02-004-01	Internal Combustion Engines	Industrial
2-02-010-01	Internal Combustion Engines	Industrial
2-03-001-01	Internal Combustion Engines	Commercial/Institutional
2-03-001-02	Internal Combustion Engines	Commercial/Institutional
2-03-002-01	Internal Combustion Engines	Commercial/Institutional
2-03-002-02	Internal Combustion Engines	Commercial/Institutional
2-03-008-01	Internal Combustion Engines	Commercial/Institutional
2-04-001-12	Internal Combustion Engines	Engine Testing
3-01-008-01	Industrial Processes	Chemical Manufacturing
3-01-008-99	Industrial Processes	Chemical Manufacturing
3-01-011-99	Industrial Processes	Chemical Manufacturing
3-01-014-01	Industrial Processes	Chemical Manufacturing
3-01-018-82	Industrial Processes	Chemical Manufacturing
3-01-070-01	Industrial Processes	Chemical Manufacturing
3-01-120-01	Industrial Processes	Chemical Manufacturing

SCC_Code	SCC1Description	SCC3Description
3-01-820-01	Industrial Processes	Chemical Manufacturing
3-01-830-01	Industrial Processes	Chemical Manufacturing
3-01-999-99	Industrial Processes	Chemical Manufacturing
3-02-007-33	Industrial Processes	Food and Agriculture
3-02-007-34	Industrial Processes	Food and Agriculture
3-02-009-01	Industrial Processes	Food and Agriculture
3-02-009-22	Industrial Processes	Food and Agriculture
3-02-009-35	Industrial Processes	Food and Agriculture
3-02-009-52	Industrial Processes	Food and Agriculture
3-02-031-05	Industrial Processes	Food and Agriculture
3-02-031-06	Industrial Processes	Food and Agriculture
3-02-032-01	Industrial Processes	Food and Agriculture
3-02-032-02	Industrial Processes	Food and Agriculture
3-02-888-01	Industrial Processes	Food and Agriculture
3-02-999-98	Industrial Processes	Food and Agriculture
3-03-000-03	Industrial Processes	Primary Metal Production
3-03-001-04	Industrial Processes	Primary Metal Production
3-03-001-09	Industrial Processes	Primary Metal Production
3-03-001-10	Industrial Processes	Primary Metal Production
3-03-001-99	Industrial Processes	Primary Metal Production
3-03-009-04	Industrial Processes	Primary Metal Production
3-03-009-10	Industrial Processes	Primary Metal Production
3-04-001-14	Industrial Processes	Secondary Metal Production
3-04-004-99	Industrial Processes	Secondary Metal Production
3-04-007-01	Industrial Processes	Secondary Metal Production
3-04-007-05	Industrial Processes	Secondary Metal Production
3-04-007-08	Industrial Processes	Secondary Metal Production
3-04-007-09	Industrial Processes	Secondary Metal Production
3-04-007-11	Industrial Processes	Secondary Metal Production
3-04-007-25	Industrial Processes	Secondary Metal Production
3-04-022-11	Industrial Processes	Secondary Metal Production
3-04-050-01	Industrial Processes	Secondary Metal Production
3-04-900-03	Industrial Processes	Secondary Metal Production
3-05-002-05	Industrial Processes	Mineral Products
3-05-002-08	Industrial Processes	Mineral Products
3-05-003-11	Industrial Processes	Mineral Products
3-05-006-06	Industrial Processes	Mineral Products
3-05-006-12	Industrial Processes	Mineral Products
3-05-006-14	Industrial Processes	Mineral Products
3-05-006-17	Industrial Processes	Mineral Products
3-05-007-06	Industrial Processes	Mineral Products
3-05-007-14	Industrial Processes	Mineral Products
3-05-007-17	Industrial Processes	Mineral Products
3-05-011-99	Industrial Processes	Mineral Products
3-05-014-02	Industrial Processes	Mineral Products
3-05-014-03	Industrial Processes	Mineral Products
3-05-014-04	Industrial Processes	Mineral Products
3-05-014-06	Industrial Processes	Mineral Products
3-05-015-19	Industrial Processes	Mineral Products
3-05-015-20	Industrial Processes	Mineral Products
3-05-016-02	Industrial Processes	Mineral Products
3-05-016-04	Industrial Processes	Mineral Products
3-05-016-07	Industrial Processes	Mineral Products

SCC_Code	SCC1Description	SCC3Description
3-05-016-09	Industrial Processes	Mineral Products
3-05-016-10	Industrial Processes	Mineral Products
3-05-016-13	Industrial Processes	Mineral Products
3-05-016-14	Industrial Processes	Mineral Products
3-05-016-15	Industrial Processes	Mineral Products
3-05-016-16	Industrial Processes	Mineral Products
3-05-017-01	Industrial Processes	Mineral Products
3-05-017-03	Industrial Processes	Mineral Products
3-05-017-04	Industrial Processes	Mineral Products
3-05-017-05	Industrial Processes	Mineral Products
3-05-020-01	Industrial Processes	Mineral Products
3-05-020-06	Industrial Processes	Mineral Products
3-05-999-99	Industrial Processes	Mineral Products
3-06-001-03	Industrial Processes	Petroleum Industry
3-06-001-05	Industrial Processes	Petroleum Industry
3-06-005-03	Industrial Processes	Petroleum Industry
3-06-005-04	Industrial Processes	Petroleum Industry
3-06-008-01	Industrial Processes	Petroleum Industry
3-06-008-02	Industrial Processes	Petroleum Industry
3-06-008-03	Industrial Processes	Petroleum Industry
3-06-008-04	Industrial Processes	Petroleum Industry
3-07-001-04	Industrial Processes	Pulp and Paper and Wood
3-07-001-05	Industrial Processes	Pulp and Paper and Wood
3-07-001-06	Industrial Processes	Pulp and Paper and Wood
3-07-001-10	Industrial Processes	Pulp and Paper and Wood
3-07-001-99	Industrial Processes	Pulp and Paper and Wood
3-07-002-22	Industrial Processes	Pulp and Paper and Wood
3-07-005-01	Industrial Processes	Pulp and Paper and Wood
3-07-007-01	Industrial Processes	Pulp and Paper and Wood
3-07-007-02	Industrial Processes	Pulp and Paper and Wood
3-07-007-11	Industrial Processes	Pulp and Paper and Wood
3-07-007-27	Industrial Processes	Pulp and Paper and Wood
3-07-007-80	Industrial Processes	Pulp and Paper and Wood
3-07-008-01	Industrial Processes	Pulp and Paper and Wood
3-07-008-02	Industrial Processes	Pulp and Paper and Wood
3-07-008-07	Industrial Processes	Pulp and Paper and Wood
3-07-008-08	Industrial Processes	Pulp and Paper and Wood
3-07-008-98	Industrial Processes	Pulp and Paper and Wood
3-07-030-01	Industrial Processes	Pulp and Paper and Wood
3-07-030-02	Industrial Processes	Pulp and Paper and Wood
3-07-030-96	Industrial Processes	Pulp and Paper and Wood
3-07-030-98	Industrial Processes	Pulp and Paper and Wood
3-07-999-98	Industrial Processes	Pulp and Paper and Wood
3-08-007-02	Industrial Processes	Rubber and Miscellaneous
3-08-007-03	Industrial Processes	Rubber and Miscellaneous
3-08-007-04	Industrial Processes	Rubber and Miscellaneous
3-08-007-20	Industrial Processes	Rubber and Miscellaneous
3-08-007-22	Industrial Processes	Rubber and Miscellaneous
3-08-007-23	Industrial Processes	Rubber and Miscellaneous
3-08-007-24	Industrial Processes	Rubber and Miscellaneous
3-08-007-30	Industrial Processes	Rubber and Miscellaneous
3-08-007-99	Industrial Processes	Rubber and Miscellaneous
3-08-008-01	Industrial Processes	Rubber and Miscellaneous

SCC_Code	SCC1Description	SCC3Description
3-08-008-02	Industrial Processes	Rubber and Miscellaneous
3-08-009-01	Industrial Processes	Rubber and Miscellaneous
3-08-999-99	Industrial Processes	Rubber and Miscellaneous
3-09-001-98	Industrial Processes	Fabricated Metal Products
3-09-001-99	Industrial Processes	Fabricated Metal Products
3-09-002-01	Industrial Processes	Fabricated Metal Products
3-09-002-07	Industrial Processes	Fabricated Metal Products
3-09-005-00	Industrial Processes	Fabricated Metal Products
3-09-010-01	Industrial Processes	Fabricated Metal Products
3-09-010-04	Industrial Processes	Fabricated Metal Products
3-09-010-05	Industrial Processes	Fabricated Metal Products
3-09-010-06	Industrial Processes	Fabricated Metal Products
3-09-011-01	Industrial Processes	Fabricated Metal Products
3-09-011-02	Industrial Processes	Fabricated Metal Products
3-09-011-03	Industrial Processes	Fabricated Metal Products
3-09-011-04	Industrial Processes	Fabricated Metal Products
3-09-011-99	Industrial Processes	Fabricated Metal Products
3-09-015-01	Industrial Processes	Fabricated Metal Products
3-09-040-01	Industrial Processes	Fabricated Metal Products
3-09-042-00	Industrial Processes	Fabricated Metal Products
3-09-043-00	Industrial Processes	Fabricated Metal Products
3-09-051-00	Industrial Processes	Fabricated Metal Products
3-09-051-08	Industrial Processes	Fabricated Metal Products
3-09-051-20	Industrial Processes	Fabricated Metal Products
3-09-051-32	Industrial Processes	Fabricated Metal Products
3-09-051-56	Industrial Processes	Fabricated Metal Products
3-09-052-54	Industrial Processes	Fabricated Metal Products
3-09-052-80	Industrial Processes	Fabricated Metal Products
3-09-053-12	Industrial Processes	Fabricated Metal Products
3-09-053-55	Industrial Processes	Fabricated Metal Products
3-09-054-00	Industrial Processes	Fabricated Metal Products
3-09-888-01	Industrial Processes	Fabricated Metal Products
3-09-888-02	Industrial Processes	Fabricated Metal Products
3-09-888-06	Industrial Processes	Fabricated Metal Products
3-09-999-99	Industrial Processes	Fabricated Metal Products
3-12-999-99	Industrial Processes	Machinery, Miscellaneous
3-13-065-00	Industrial Processes	Electrical Equipment
3-13-999-99	Industrial Processes	Electrical Equipment
3-15-020-01	Industrial Processes	Photographic Equipment/Health
3-15-050-01	Industrial Processes	Photographic Equipment/Health
3-90-005-02	Industrial Processes	In-process Fuel Use
3-90-006-02	Industrial Processes	In-process Fuel Use
3-90-006-99	Industrial Processes	In-process Fuel Use
3-99-999-94	Industrial Processes	Miscellaneous Manufacturing
3-99-999-95	Industrial Processes	Miscellaneous Manufacturing
4-01-001-03	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-001-98	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-02	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-03	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-04	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-05	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-07	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-22	Petroleum and Solvent Evaporation	Organic Solvent Evaporation

SCC_Code	SCC1Description	SCC3Description
4-01-002-52	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-54	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-55	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-57	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-58	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-95	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-96	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-002-97	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-01	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-02	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-03	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-05	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-06	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-07	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-08	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-09	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-10	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-98	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-003-99	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-888-01	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-01-888-98	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-02-001-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-001-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-002-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-003-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-004-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-004-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-005-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-005-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-006-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-006-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-007-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-007-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-007-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-008-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-04	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-09	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-10	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-12	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-18	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-19	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-20	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-21	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-22	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-24	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-30	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-009-98	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-010-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-013-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-014-31	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-016-02	Petroleum and Solvent Evaporation	Surface Coating Operations

SCC_Code	SCC1Description	SCC3Description
4-02-016-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-016-19	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-016-20	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-05	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-21	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-22	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-24	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-26	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-27	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-28	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-017-99	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-019-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-07	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-32	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-021-99	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-022-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-022-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-023-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-023-05	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-023-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-03	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-024-99	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-025-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-025-02	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-025-03	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-025-99	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-026-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-026-05	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-026-06	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-888-01	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-999-95	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-999-96	Petroleum and Solvent Evaporation	Surface Coating Operations
4-02-999-98	Petroleum and Solvent Evaporation	Surface Coating Operations
4-03-010-08	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-010-19	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-010-21	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-010-97	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-010-99	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-011-02	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-011-11	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-011-18	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-011-53	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-03-888-01	Petroleum and Solvent Evaporation	Petroleum Product Storage at
4-04-001-02	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-001-07	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-001-11	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-001-16	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-

SCC_Code	SCC1Description	SCC3Description
4-04-001-53	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-001-99	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-002-02	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-002-06	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-002-51	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-004-01	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-004-02	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-04-004-06	Petroleum and Solvent Evaporation	Petroleum Liquids Storage (non-
4-05-002-01	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-002-02	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-003-01	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-003-11	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-003-12	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-003-14	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-01	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-11	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-13	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-15	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-16	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-004-31	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-005-14	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-005-97	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-005-98	Petroleum and Solvent Evaporation	Printing/Publishing
4-05-888-01	Petroleum and Solvent Evaporation	Printing/Publishing
4-06-001-44	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-001-49	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-001-60	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-001-61	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-34	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-35	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-40	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-44	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-45	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-46	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-49	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-50	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-002-51	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-003-02	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-003-06	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-003-07	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-004-01	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-004-99	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-06-888-01	Petroleum and Solvent Evaporation	Transportation and Marketing of
4-07-999-97	Petroleum and Solvent Evaporation	Organic Chemical Storage
4-90-005-99	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-90-999-98	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
4-90-999-99	Petroleum and Solvent Evaporation	Organic Solvent Evaporation
5-01-001-02	Waste Disposal	Solid Waste Disposal -
5-01-007-01	Waste Disposal	Solid Waste Disposal -
5-01-007-02	Waste Disposal	Solid Waste Disposal -
5-01-007-89	Waste Disposal	Solid Waste Disposal -
5-02-001-03	Waste Disposal	Solid Waste Disposal -
5-02-005-05	Waste Disposal	Solid Waste Disposal -

SCC_Code	SCC1Description	SCC3Description
5-02-005-07	Waste Disposal	Solid Waste Disposal -
5-02-006-01	Waste Disposal	Solid Waste Disposal -
5-03-001-01	Waste Disposal	Solid Waste Disposal - Industrial
5-03-006-01	Waste Disposal	Solid Waste Disposal - Industrial

SCC6Description	SCC8Description	Measure	Material	Action
Bituminous/Subbituminous Coal	Atmospheric Fluidized Bed Combustion: Bubbling	Tons	Bituminous Coal	Burned
Distillate Oil	Grades 1 and 2 Oil	1000 Gallons	Distillate Oil (No. 1 & 2)	Burned
Distillate Oil	Grade 4 Oil: Normal Firing	1000 Gallons	Distillate Oil (No. 4)	Burned
Natural Gas	Boilers > 100 Million Btu/hr except Tangential	Million Cubic Feet	Natural Gas	Burned
Wood/Bark Waste	Wood-fired Boiler - Wet Wood (>=20% moisture)	Tons	Wood	Burned
Solid Waste	Refuse Derived Fuel	Tons	Refuse Derived Fuel	Burned
Bituminous/Subbituminous Coal	Spreader Stoker	Tons	Bituminous Coal	Burned
Bituminous/Subbituminous Coal	Overfeed Stoker	Tons	Bituminous Coal	Burned
Bituminous/Subbituminous Coal	Atmospheric Fluidized Bed Combustion: Bubbling	Tons	Bituminous Coal	Burned
Residual Oil	Grade 6 Oil	1000 Gallons	Residual Oil (No. 6)	Burned
Residual Oil	Grade 5 Oil	1000 Gallons	Residual Oil (No. 5)	Burned
Distillate Oil	Grades 1 and 2 Oil	1000 Gallons	Distillate Oil (No. 1 & 2)	Burned
Distillate Oil	Grade 4 Oil	1000 Gallons	Distillate Oil (No. 4)	Burned
Natural Gas	> 100 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Natural Gas	10-100 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Natural Gas	< 10 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Wood/Bark Waste	Wood/Bark-fired Boiler	Tons	Wood/Bark	Burned
Wood/Bark Waste	Wood-fired Boiler - Wet Wood (>=20% moisture)	Tons	Wood	Burned
Wood/Bark Waste	Wood/Bark-fired Boiler (< 50,000 Lb Steam) **	Tons	Wood/Bark	Burned
Wood/Bark Waste	Wood-fired Boiler (< 50,000 Lb Steam) **	Tons	Wood	Burned
Liquified Petroleum Gas (LPG)	Propane	1000 Gallons	Propane	Burned
Residual Oil	Grade 6 Oil	1000 Gallons	Residual Oil (No. 6)	Burned
Distillate Oil	Grades 1 and 2 Oil	1000 Gallons	Distillate Oil (No. 1 & 2)	Burned
Natural Gas	> 100 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Natural Gas	10-100 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Natural Gas	< 10 Million Btu/hr	Million Cubic Feet	Natural Gas	Burned
Process Gas	POTW Digester Gas-fired Boiler	Million Cubic Feet	Process Gas	Burned
Process Gas	Other Not Classified	Million Cubic Feet	Process Gas	Burned
Liquid Waste	Specify Waste Material in Comments	1000 Gallons	Liquid Waste	Burned
Industrial	Natural Gas	Million Cubic Feet	Natural Gas	Burned
Distillate Oil (Diesel)	Reciprocating	1000 Gallons	Distillate Oil (Diesel)	Burned
Process Gas	Reciprocating	Million Cubic Feet	Process Gas	Burned
Landfill Gas	Reciprocating	Million Cubic Feet	Landfill Gas	Burned
Flares	Heavy Water	1000 Gallons	Heavy Water	Burned
Distillate Oil (Diesel)	Turbine	1000 Gallons	Distillate Oil (Diesel)	Burned
Distillate Oil (Diesel)	Reciprocating	1000 Gallons	Distillate Oil (Diesel)	Burned
Natural Gas	Reciprocating	Million Cubic Feet	Natural Gas	Burned
Gasoline	Reciprocating	1000 Gallons	Gasoline	Burned
Large Bore Engine	Diesel	1000 Gallons	Diesel	Burned
Liquified Petroleum Gas (LPG)	Propane: Reciprocating	1000 Gallons	Liquified Petroleum Gas (LPG)	Burned
Distillate Oil (Diesel)	Reciprocating	1000 Gallons	Distillate Oil (Diesel)	Burned
Distillate Oil (Diesel)	Turbine	1000 Gallons	Distillate Oil (Diesel)	Burned
Natural Gas	Reciprocating	Million Cubic Feet	Natural Gas	Burned
Natural Gas	Turbine	Million Cubic Feet	Natural Gas	Burned
Landfill Gas	Turbine	Million Cubic Feet	Landfill Gas	Burned
Aircraft Engine Testing	JP-4 Fuel	1000 Gallons	Jet Naphtha	Burned
Chloro-alkali Production	Liquefaction (Diaphragm Cell Process)	100 Tons	Chlorine	Liquified
Chloro-alkali Production	Other Not Classified	100 Tons	Chlorine	Liquified
Hydrochloric Acid	Other Not Classified	Tons	Final Acid	Produced
Paint Manufacture	General Mixing and Handling	Tons	Paint	Produced
Plastics Production	Blowing Agent: Methylene Chloride (Polyurethane)	Tons	Agent	Used
Inorganic Chemical Manufacturing (General)	Fugitive Leaks	Tons	Product	Produced
Formaldahyde, Acrolein, Acetaldehyde, Butyraldehyde	Formaldehyde: Silver Catalyst	Tons	Material	Produced

SCC6Description	SCC8Description	Measure	Material	Action
Wastewater Treatment	Wastewater Stripper	Tons	Product	Produced
General Processes	Storage/Transfer	Tons	Product	Produced
Other Not Classified	Specify in Comments Field	Tons	Product	Produced
Grain Millings	Wheat: Cleaning House	Tons	Grain	Received
Grain Millings	Wheat: Millhouse	Tons	Grain	Received
Beer Production	Grain Handling (see also 3-02-005-xx)	Tons	Grain	Processed
Beer Production	Cerial Cooker	1000 Barrels	Beer	Packaged
Beer Production	Fermenter Venting: Closed Fermenter	1000 Barrels	Beer	Packaged
Beer Production	Sterilized Can Filling Line	1000 Barrels	Beer	Canned
Export Grain Elevators	Unloading	Tons	Grain	Processed
Export Grain Elevators	Loading	Tons	Grain	Processed
Bakeries	Bread Baking: Sponge-Dough Process	Tons	Bread	Baked
Bakeries	Bread Baking: Straight-Dough Process	Tons	Bread	Baked
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Other Not Specified	Other Not Classified	Tons	Material	Input
Aluminum Ore (Bauxite)	Fine Ore Storage	Tons	Material	Handled
Aluminum Ore (Electro-reduction)	Materials Handling	Tons	Molten Aluminum	Produced
Aluminum Ore (Electro-reduction)	H.S.S.: Fugitive Emissions	Tons	Molten Aluminum	Produced
Aluminum Ore (Electro-reduction)	V.S.S.: Fugitive Emissions	Tons	Molten Aluminum	Produced
Aluminum Ore (Electro-reduction)	Not Classified **	Tons	Molten Aluminum	Produced
Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel	Electric Arc Furnace: Alloy Steel (Stack)	Tons	Material	Produced
Steel Manufacturing (See 3-03-015 for Integrated Iron & Steel	Pickling	Tons	Material	Produced
Aluminum	Pouring/Casting	Tons	Metal	Charged
Lead	Other Not Classified	Tons	Material	Processed
Steel Foundries	Electric Arc Furnace	Tons	Metal	Processed
Steel Foundries	Electric Induction Furnace	Tons	Metal	Processed
Steel Foundries	Pouring/Casting	Tons	Metal	Processed
Steel Foundries	Casting Shakeout	Tons	Metal	Processed
Steel Foundries	Cleaning	Tons	Metal	Processed
Steel Foundries	Casting Cleaning/Tumblers	Tons	Castings	Cleaned
Metal Heat Treating	Quenching	Gallons	Material	Used
Miscellaneous Casting Fabricating	Other Not Classified	Tons	Material	Produced
Fuel Fired Equipment	Natural Gas: Process Heaters	Million Cubic Feet	Natural Gas	Burned
Asphalt Concrete	Drum Dryer: Drum Mix Plant (see 3-05-002-55 thru -	Tons	Hot Mix Asphalt	Produced
Asphalt Concrete	Asphalt Heater: Distillate Oil	1000 Gallons	Distillate Oil	Burned
Brick Manufacture	Curing and Firing: Gas-fired Tunnel Kilns	Tons	Brick	Produced
Cement Manufacturing (Dry Process)	Kilns	Tons	Cement	Produced
Cement Manufacturing (Dry Process)	Raw Material Transfer	Tons	Material	Handled
Cement Manufacturing (Dry Process)	Clinker Cooler	Tons	Cement	Produced
Cement Manufacturing (Dry Process)	Clinker Grinding	Tons	Cement	Produced
Cement Manufacturing (Wet Process)	Kilns	Tons	Cement	Produced
Cement Manufacturing (Wet Process)	Clinker Cooler	Tons	Cement	Produced
Cement Manufacturing (Wet Process)	Clinker Grinding	Tons	Cement	Produced
Concrete Batching	Other Not Classified	Tons	Material	Produced
Glass Manufacture	Container Glass: Melting Furnace	Tons	Glass	Produced
Glass Manufacture	Flat Glass: Melting Furnace	Tons	Glass	Produced
Glass Manufacture	Pressed and Blown Glass: Melting Furnace	Tons	Glass	Produced
Glass Manufacture	Container Glass: Forming/Finishing	Tons	Glass	Produced
Gypsum Manufacture	Forming Line	Tons	Product	Produced
Gypsum Manufacture	Drying Kiln	Tons	Product	Produced
Lime Manufacture	Secondary Crushing/Screening	Tons	Limestone	Processed
Lime Manufacture	Calcining: Rotary Kiln ** (See SCC Codes 3-05-016-	Tons	Lime	Produced
Lime Manufacture	Raw Material Transfer and Conveying	Tons	Limestone	Processed

SCC6Description	SCC8Description	Measure	Material	Action
Lime Manufacture	Hydrator: Atmospheric	Tons	Hydrated Lime	Produced
Lime Manufacture	Raw Material Storage Piles	Tons	Limestone	Processed
Lime Manufacture	Lime Silos	Tons	Lime	Produced
Lime Manufacture	Packing/Shipping	Tons	Lime	Produced
Lime Manufacture	Product Transfer and Conveying	Tons	Lime	Produced
Lime Manufacture	Primary Screening	Tons	Limestone	Processed
Mineral Wool	Cupola	Tons	Material	Charged
Mineral Wool	Blow Chamber	Tons	Material	Charged
Mineral Wool	Curing Oven	Tons	Material	Charged
Mineral Wool	Cooler	Tons	Material	Charged
Stone Quarrying - Processing (See also 305320)	Primary Crushing	Tons	Raw Material	Processed
Stone Quarrying - Processing (See also 305320)	Miscellaneous Operations: Screen/Convey/Handling	Tons	Raw Material	Processed
Other Not Defined	Specify in Comments Field	Tons	Product	Produced
Process Heaters	Oil-fired	1000 Gallons	Oil	Burned
Process Heaters	Natural Gas-fired	Million Cubic Feet	Natural Gas	Burned
Wastewater Treatment	Process Drains and Wastewater Separators	1000 Gallons	Wastewater	Processed
Wastewater Treatment	Process Drains and Wastewater Separators	1000 Barrels	Refinery Feed	Processed
Fugitive Emissions	Pipeline Valves and Flanges	1000 Barrels	Refinery Feed	Processed
Fugitive Emissions	Vessel Relief Valves	1000 Barrels	Refinery Feed	Processed
Fugitive Emissions	Pump Seals w/o Controls	1000 Barrels	Refinery Feed	Processed
Fugitive Emissions	Compressor Seals	1000 Barrels	Refinery Feed	Processed
Sulfate (Kraft) Pulping	Recovery Furnace/Direct Contact Evaporator	Tons	Air-Dried Unbleached Pulp	Produced
Sulfate (Kraft) Pulping	Smelt Dissolving Tank	Tons	Air-Dried Unbleached Pulp	Produced
Sulfate (Kraft) Pulping	Lime Kiln	Tons	Air-Dried Unbleached Pulp	Produced
Sulfate (Kraft) Pulping	Recovery Furnace/Indirect Contact Evaporator	Tons	Air-Dried Unbleached Pulp	Produced
Sulfate (Kraft) Pulping	Other Not Classified	Tons	Air-Dried Unbleached Pulp	Produced
Sulfite Pulping	Recovery System: NH3	Tons	Air-Dried Unbleached Pulp	Produced
Wood Pressure Treating	Creosote	Tons	Wood	Treated
Plywood Operations	General: Not Classified **	10,000 Square Feet	3/8-inch Plywood	Produced
Plywood Operations	Sanding Operations	Tons	Material	Processed
Plywood Operations	Fir: Sapwood: Steam-fired Dryer	10,000 Square Feet	3/8-inch Plywood	Produced
Plywood Operations	Veneer Laying and Glue Spreading	Tons	Material	Processed
Plywood Operations	Plywood Press: Phenol-formaldehyde Resin	1000 Square Feet	3/8-inch Plywood	Produced
Sawmill Operations	Log Debarking	Tons	Logs	Processed
Sawmill Operations	Log Sawing	Tons	Logs	Processed
Sawmill Operations	Sanderdust: Cyclone Exhaust	Hour	Equipment	Operated
Sawmill Operations	Other Cyclones: Exhaust	Hour	Equipment	Operated
Sawmill Operations	Other Not Classified	1000 Board Feet	Material	Processed
Miscellaneous Wood Working Operations	Wood Waste Storage Bin Vent	Tons	Wood Waste	Processed
Miscellaneous Wood Working Operations	Wood Waste Storage Bin Loadout	Tons	Wood Waste	Processed
Miscellaneous Wood Working Operations	Sanding/Planning Operations: Specify	1000 Square Feet	Material	Processed
Miscellaneous Wood Working Operations	Sanding/Planning Operations: Specify	1000 Board Feet	Material	Processed
Other Not Classified	Other Not Classified	1000 Board Feet	Material	Produced
Fiberglass Resin Products	Mould Release	Tons	Product	Produced
Fiberglass Resin Products	Solvent Consumption	Tons	Solvent	Used
Fiberglass Resin Products	Adhesive Consumption	Tons	Adhesive	Applied
Fiberglass Resin Products	General	Tons	Product	Produced
Fiberglass Resin Products	Gel Coat: Spray On	Tons	Coating	Applied
Fiberglass Resin Products	Resin: General: Roll On	Tons	Coating	Applied
Fiberglass Resin Products	Resin: General: Spray On ** (use 3-08-007-30)	Tons	Coating	Applied
Fiberglass Resin Products	Resin Spray Layup (non-vapor-suppressed)	1000 Pounds	Starting Monomer	Applied
Fiberglass Resin Products	Other Not Classified	Tons	Product	Produced
Plastic Foam Products	Expansion Process via Steam	Tons	Product	Produced

SCC6Description	SCC8Description	Measure	Material	Action
Plastic Foam Products	Molding	Tons	Product	Produced
Plastic Miscellaneous Products	Polystyrene: General	Tons	Resin	Consumed
Other Not Specified	Other Not Classified	Tons	Material	Processed
General Processes	Other Not Classified	Gallons	Material	Processed
General Processes	Other Not Classified	Tons	Material	Processed
Abrasive Blasting of Metal Parts	General	Tons	Abrasive	Consumed
Abrasive Blasting of Metal Parts	Shotblast with Air	Tons	Shot	Consumed
Welding	General	Pounds	Welding Rod	Used
Electroplating Operations	Entire Process: General	Square Feet	Product	Plated
Electroplating Operations	Entire Process: Copper	Square Feet-Years	Surface Area	Existing
Electroplating Operations	Entire Process: Zinc	Ampere-Hours	Current	Applied
Electroplating Operations	Entire Process: Chrome	Ampere-Hours	Current	Applied
Conversion Coating of Metal Products	Alkaline Cleaning Bath	Tons	Material	Processed
Conversion Coating of Metal Products	Acid Cleaning Bath (Pickling)	Tons	Material	Processed
Conversion Coating of Metal Products	Anodizing Kettle	Tons	Material	Processed
Conversion Coating of Metal Products	Rinsing/Finishing	Tons	Material	Processed
Conversion Coating of Metal Products	Other Not Classified	Gallons	Material	Processed
Chemical Milling of Metal Products	Milling Tank	Tons	Material	Processed
Metal Deposition Processes	Metallizing: Wire Atomization and Spraying	Tons	Sprayed Metal	Consumed
Brazing	General	1000 Pounds	Electrode	Consumed
Soldering	General	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	General	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	E11018 Electrode	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	E316 Electrode	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	E6011 Electrode	1000 Pounds	Electrode	Consumed
Shielded Metal Arc Welding (SMAW)	E8018 Electrode	1000 Pounds	Electrode	Consumed
Gas Metal Arc Welding (GMAW)	E70S Electrode	1000 Pounds	Electrode	Consumed
Gas Metal Arc Welding (GMAW)	ERNiCu Electrode	1000 Pounds	Electrode	Consumed
Flux Cored Arc Welding (FCAW)	E308LT Electrode	1000 Pounds	Electrode	Consumed
Flux Cored Arc Welding (FCAW)	E71T Electrode	1000 Pounds	Electrode	Consumed
Submerged Arc Welding (SAW)	General	1000 Pounds	Electrode	Consumed
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Fugitive Emissions	Other Not Classified	Each	Unit	Processed
Other Not Classified	Other Not Classified	Tons	Material	Processed
Miscellaneous Machinery	Other Not Classified	Tons	Material	Processed
Semiconductor Manufacturing	Integrated Circuit Manufacturing: General	1000 Each	Wafers	Produced
Other Not Classified	Other Not Classified	Tons	Material	Processed
Health Care - Hospitals	Sterilization with Ethylene Oxide	Tons	Ethylene Oxide	Consumed
Air-conditioning/Refrigeration - Freons	Cooling Fluid: Miscellaneous: Freons	Tons	Coolant	Consumed
Distillate Oil	Cement Kiln/Dryer	1000 Gallons	Distillate Oil	Burned
Natural Gas	Cement Kiln/Dryer	Million Cubic Feet	Natural Gas	Burned
Natural Gas	General	Million Cubic Feet	Natural Gas	Burned
Miscellaneous Industrial Processes	Other Not Classified	Pounds	Material	Processed
Miscellaneous Industrial Processes	Other Not Classified	Gallons	Material	Processed
Dry Cleaning	Perchloroethylene	Tons	Solvent	Consumed
Dry Cleaning	Other Not Classified	Tons	Solvent	Consumed
Degreasing	1,1,1-Trichloroethane (Methyl Chloroform): Open-top	Tons	Make-Up Solvent	Used
Degreasing	Perchloroethylene: Open-top Vapor Degreasing	Tons	Make-Up Solvent	Used
Degreasing	Methylene Chloride: Open-top Vapor Degreasing	Tons	Make-Up Solvent	Used
Degreasing	Trichloroethylene: Open-top Vapor Degreasing	Tons	Make-Up Solvent	Used
Degreasing	Trichlorotrifluoroethane (Freon): Open-top Vapor	Tons	Make-Up Solvent	Used
Degreasing	1,1,1-Trichloroethane (Methyl	Tons	Make-Up Solvent	Used

SCC6Description	SCC8Description	Measure	Material	Action
Degreasing	1,1,1-Trichloroethane (Methyl Chloroform): General	Gallons	Solvent	Consumed
Degreasing	Methylene Chloride: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Trichloroethylene: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Trichlorotrifluoroethane (Freon): General Degreasing	Gallons	Solvent	Consumed
Degreasing	Trichlorofluoromethane: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Other Not Classified: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Other Not Classified: General Degreasing Units	Gallons	Solvent	Consumed
Degreasing	Other Not Classified: Open-top Vapor Degreasing	Gallons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Methanol	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Methylene Chloride	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Stoddard (Petroleum Solvent)	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	1,1,1-Trichloroethane (Methyl Chloroform)	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Trichloroethylene	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Isopropyl Alcohol	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Methyl Ethyl Ketone	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Freon	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Acetone	Tons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Other Not Classified	Gallons	Solvent	Consumed
Cold Solvent Cleaning/Stripping	Other Not Classified	Tons	Solvent	Consumed
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Fugitive Emissions	Specify in Comments Field	Gallons	Material	Processed
Surface Coating Application - General	Paint: Solvent-base	Tons	Coating Mix	Applied
Surface Coating Application - General	Paint: Solvent-base	Gallons	Coating	Processed
Surface Coating Application - General	Paint: Water-base	Tons	Coating Mix	Applied
Surface Coating Application - General	Varnish/Shellac	Tons	Coating Mix	Applied
Surface Coating Application - General	Lacquer	Tons	Coating Mix	Applied
Surface Coating Application - General	Lacquer	Gallons	Coating	Processed
Surface Coating Application - General	Enamel	Tons	Coating Mix	Applied
Surface Coating Application - General	Enamel	Gallons	Coating	Processed
Surface Coating Application - General	Primer	Tons	Coating Mix	Applied
Surface Coating Application - General	Primer	Gallons	Coating	Processed
Surface Coating Application - General	Adhesive Application	Tons	Coating Mix	Applied
Surface Coating Application - General	Adhesive: Solvent Mixing	Tons	Solvent	Mixed
Surface Coating Application - General	Adhesive: General	Gallons	Coating	Processed
Coating Oven - General	General	Gallons	Coating	Processed
Thinning Solvents - General	General: Specify in Comments	Tons	Solvent	Used
Thinning Solvents - General	Acetone	Tons	Solvent	Used
Thinning Solvents - General	Butyl Alcohol	Tons	Solvent	Used
Thinning Solvents - General	Ethyl Acetate	Tons	Solvent	Used
Thinning Solvents - General	Ethyl Alcohol	Tons	Solvent	Used
Thinning Solvents - General	Isopropyl Alcohol	Tons	Solvent	Used
Thinning Solvents - General	Methyl Ethyl Ketone	Tons	Solvent	Used
Thinning Solvents - General	Methyl Isobutyl Ketone	Tons	Solvent	Used
Thinning Solvents - General	Mineral Spirits	Tons	Solvent	Used
Thinning Solvents - General	Naphtha	Tons	Solvent	Used
Thinning Solvents - General	Toluene	Tons	Solvent	Used
Thinning Solvents - General	Xylene	Tons	Solvent	Used
Thinning Solvents - General	Methylene Chloride	Tons	Solvent	Used
Thinning Solvents - General	General: Specify in Comments	Gallons	Solvent	Used
Coating Oven Heater	Natural Gas	Million Cubic Feet	Natural Gas	Burned
Paper Coating	Coating Operation	Tons	Solvent in Coating	Used
Large Appliances	Coating Line: General	Each	Appliance	Produced
Automobiles and Light Trucks	Cleaning/Pretreatment	Tons	Solvent in Coating	Used

SCC6Description	SCC8Description	Measure	Material	Action
Automobiles and Light Trucks	Topcoat Operation	Tons	Solvent in Coating	Used
Automobiles and Light Trucks	Prime Surfacing Operation	Tons	Solvent in Coating	Used
Automobiles and Light Trucks	Repair Topcoat Application Area	Tons	Solvent in Coating	Used
Metal Can Coating	Cleaning/Pretreatment	Tons	Solvent in Coating	Used
Metal Can Coating	Equipment Cleanup	Tons	Solvent in Coating	Used
Metal Can Coating	Two Piece Exterior Base Coating	Tons	Solvent in Coating	Used
Metal Can Coating	Interior Spray Coating	Tons	Solvent in Coating	Used
Metal Can Coating	Sheet Base Coating (Exterior)	Tons	Solvent in Coating	Used
Metal Can Coating	End Sealing Compound (Also See 4-02-017-36 & -37)	Tons	Solvent in Coating	Used
Metal Can Coating	Lithography	Tons	Solvent in Coating	Used
Metal Can Coating	Over Varnish	Tons	Solvent in Coating	Used
Metal Can Coating	Other Not Classified	Tons	Solvent in Coating	Used
Wood Furniture Surface Coating	Coating Operation	Tons	Solvent in Coating	Used
Flatwood Products	Base Coat	Tons	Solvent in Coating	Used
Flatwood Products	Topcoat	Tons	Solvent in Coating	Used
Flatwood Products	Filler	Tons	Solvent in Coating	Used
Flatwood Products	Solvent-borne Coating	1000 Square Feet	Product Surface Area	Coated
Flatwood Products	Other Not Classified	Tons	Solvent in Coating	Used
Plastic Parts	Coating Operation	Tons	Solvent in Coating	Used
Plastic Parts	Cleaning/Pretreatment	Tons	Solvent in Coating	Used
Large Ships	Prime Coating Operation	Tons	Solvent in Coating	Used
Large Ships	Equipment Cleanup	Tons	Solvent in Coating	Used
Large Ships	Topcoat Operation	Tons	Solvent in Coating	Used
Large Aircraft	Prime Coating Operation	Tons	Solvent in Coating	Used
Large Aircraft	Cleaning/Pretreatment	Tons	Solvent in Coating	Used
Large Aircraft	Coating Mixing	Tons	Solvent in Coating	Used
Large Aircraft	Topcoat Operation	Tons	Solvent in Coating	Used
Large Aircraft	Other Not Classified	Tons	Solvent in Coating	Used
Miscellaneous Metal Parts	Coating Operation	Tons	Solvent in Coating	Used
Miscellaneous Metal Parts	Cleaning/Pretreatment	Tons	Solvent in Coating	Used
Miscellaneous Metal Parts	Coating Mixing	Tons	Solvent in Coating	Used
Miscellaneous Metal Parts	Other Not Classified	Tons	Solvent in Coating	Used
Steel Drums	Coating Operation	Gallons	Paint	Consumed
Steel Drums	Equipment Cleanup	Gallons	Paint	Consumed
Steel Drums	Interior Coating	Gallons	Paint	Consumed
Fugitive Emissions	Specify in Comments Field	Tons	Product	Produced
Miscellaneous	Specify in Comments Field	Tons	Solvent in Coating	Used
Miscellaneous	Specify in Comments Field	Tons	Solvent	Used
Miscellaneous	Specify in Comments Field	Gallons	Material	Processed
Fixed Roof Tanks (Varying Sizes)	Gasoline RVP 10: Working Loss (Tank Diameter	1000 Gallons	Gasoline	Throughput
Fixed Roof Tanks (Varying Sizes)	Distillate Fuel #2: Breathing Loss (67000 Bbl. Tank	1000 Gallon-Years	Distillate Oil (No. 2)	Storage Capacity
Fixed Roof Tanks (Varying Sizes)	Distillate Fuel #2: Working Loss (Tank Diameter	1000 Gallons	Distillate Oil (No. 2)	Throughput
Fixed Roof Tanks (Varying Sizes)	Specify Liquid: Breathing Loss (67000 Bbl. Tank Size)	1000 Gallon-Years	Liquid	Storage Capacity
Fixed Roof Tanks (Varying Sizes)	Specify Liquid: Working Loss (Tank Diameter	1000 Gallons	Liquid	Throughput
Floating Roof Tanks (Varying Sizes)	Gasoline RVP 10: Standing Loss (67000 Bbl. Tank	1000 Gallon-Years	Gasoline	Storage Capacity
Floating Roof Tanks (Varying Sizes)	Jet Naphtha (JP-4): Standing Loss (67000 Bbl. Tank	1000 Gallon-Years	Jet Naphtha	Storage Capacity
Floating Roof Tanks (Varying Sizes)	Jet Naphtha (JP-4): Withdrawal Loss	1000 Gallons	Jet Naphtha	Throughput
Floating Roof Tanks (Varying Sizes)	Jet Naphtha (JP-4): Standing Loss - Internal	1000 Gallon-Years	Jet Naphtha	Storage Capacity
Fugitive Emissions	Specify in Comments Field	1000 Gallon-Years	Liquid	Storage Capacity
Bulk Terminals	Gasoline RVP 10: Breathing Loss (67000 Bbl	1000 Gallon-Years	Gasoline	Storage Capacity
Bulk Terminals	Gasoline RVP 13: Working Loss (Diam. Independent) -	1000 Gallons	Gasoline	Throughput
Bulk Terminals	Gasoline RVP 10: Standing Loss (67000 Bbl	1000 Gallon-Years	Gasoline	Storage Capacity
Bulk Terminals	Gasoline RVP 13/10/7: Withdrawal Loss (67000 Bbl	1000 Gallons	Gasoline	Throughput

SCC6Description	SCC8Description	Measure	Material	Action
Bulk Terminals	Vapor Control Unit Losses	1000 Gallons	Petroleum Liquid	Transferred
Bulk Terminals	See Comment **	1000 Gallons	Material	Throughput
Bulk Plants	Gasoline RVP 10: Breathing Loss (67000 Bbl	1000 Gallon-Years	Gasoline	Storage Capacity
Bulk Plants	Gasoline RVP 7: Working Loss (67000 Bbl. Capacity) -	1000 Gallons	Gasoline	Throughput
Bulk Plants	Valves, Flanges, and Pumps	1000 Gallons	Petroleum Liquid	Transferred
Petroleum Products - Underground Tanks	Gasoline RVP 13: Breathing Loss	1000 Gallon-Years	Gasoline	Storage Capacity
Petroleum Products - Underground Tanks	Gasoline RVP 13: Working Loss	1000 Gallons	Gasoline	Throughput
Petroleum Products - Underground Tanks	Gasoline RVP 7: Working Loss	1000 Gallons	Gasoline	Throughput
General	Letter Press: 2751	Tons	Ink	Used
General	Ink Thinning Solvent (Kerosene)	Tons	Solvent	Added
General	Printing: Flexographic	Tons	Ink	Used
General	Printing: Flexographic	Tons	Solvent in Ink	Used
General	Printing: Flexographic	Gallons	Ink	Used
General	Printing: Flexographic: Propyl Alcohol Cleanup	Tons	Solvent	Consumed
General	Lithographic: 2752	Tons	Ink	Used
General	Lithographic: 2752	Tons	Solvent in Ink	Used
General	Lithographic: Isopropyl Alcohol Cleanup	Tons	Solvent	Used
General	Offset Lithography: Dampening Solution with Alcohol	Tons	Alcohol	Used
General	Offset Lithography: Dampening Solution with High	Tons	Pure Solvent	Used
General	Offset Lithography: Nonheated Lithographic Inks	Tons	Ink	Used
General	Gravure: Cleanup Solvent	Tons	Solvent	Consumed
General	Other Not Classified	Pounds	Ink	Consumed
General	Ink Thinning Solvent: Other Not Specified	1000 Gallons	Solvent	Used
Fugitive Emissions	Specify in Comments Field	Each-Year	Process Unit	Operating
Tank Cars and Trucks	Gasoline: Splash Loading (Balanced Service)	1000 Gallons	Gasoline	Transferred
Tank Cars and Trucks	Jet Naphtha: Submerged Loading (Clean Tanks)	1000 Gallons	Jet Naphtha	Transferred
Tank Cars and Trucks	Kerosene: Submerged Loading (Clean Tanks)	1000 Gallons	Kerosene	Transferred
Tank Cars and Trucks	Distillate Oil: Submerged Loading (Clean Tanks)	1000 Gallons	Distillate Oil	Transferred
Marine Vessels	Gasoline: Ship Loading - Ballasted Tank	1000 Gallons	Gasoline	Transferred
Marine Vessels	Gasoline: Ocean Barges Loading - Ballasted Tank	1000 Gallons	Gasoline	Transferred
Marine Vessels	Gasoline: Barge Loading - Average Tank Condition	1000 Gallons	Gasoline	Transferred
Marine Vessels	Jet Fuel: Loading Tankers	1000 Gallons	Jet Fuel	Transferred
Marine Vessels	Kerosene: Loading Tankers	1000 Gallons	Kerosene	Transferred
Marine Vessels	Distillate Oil: Loading Tankers	1000 Gallons	Distillate Oil	Transferred
Marine Vessels	Jet Fuel: Loading Barges	1000 Gallons	Jet Fuel	Transferred
Marine Vessels	Kerosene: Loading Barges	1000 Gallons	Kerosene	Transferred
Marine Vessels	Distillate Oil: Loading Barges	1000 Gallons	Distillate Oil	Transferred
Gasoline Retail Operations - Stage I	Submerged Filling w/o Controls	1000 Gallons	Gasoline	Transferred
Gasoline Retail Operations - Stage I	Balanced Submerged Filling	1000 Gallons	Gasoline	Throughput
Gasoline Retail Operations - Stage I	Underground Tank Breathing and Emptying	1000 Gallons	Gasoline	Throughput
Filling Vehicle Gas Tanks - Stage II	Vapor Loss w/o Controls	1000 Gallons	Gasoline	Pumped
Filling Vehicle Gas Tanks - Stage II	Not Classified **	1000 Gallons	Gasoline	Pumped
Fugitive Emissions	Specify in Comments Field	1000 Gallons	Liquid	Throughput
Miscellaneous	Specify in Comments	1000 Gallon-Years	Liquid	Storage Capacity
Air Stripping Tower	Specify Solvent in Comments	Tons	Solvent	Stripped
Miscellaneous Volatile Organic Compound Evaporation	Identify the Process and Solvent in Comments	Gallons	Solvent	Consumed
Miscellaneous Volatile Organic Compound Evaporation	Identify the Process and Solvent in Comments	Tons	Solvent	Consumed
Municipal Incineration	Mass Burn: Single Chamber	Tons	Solid Waste	Burned
Sewage Treatment	Entire Plant	Million Gallons	Wastewater	Processed
Sewage Treatment	Primary Settling Tank	Million Gallons	Wastewater	Processed
Sewage Treatment	Sludge Digester Gas Flare	Million Cubic Feet	Gas	Processed
Incineration	Controlled Air	Tons	Solid Waste	Burned
Incineration: Special Purpose	Medical Waste Incinerator, unspecified type,	Tons	Medical Waste	Burned

SCC6Description	SCC8Description	Measure	Material	Action
Incineration: Special Purpose	VOC Contaminated Soil	Tons	Material	Burned
Landfill Dump	Waste Gas Flares ** (Use 5-01-004-10)	Million Cubic Feet	Waste Gas	Burned
Incineration	Multiple Chamber	Tons	Solid Waste	Burned
Landfill Dump	Waste Gas Flares	Million Cubic Feet	Waste Gas	Burned

Segment_Emissions

Reg	Point	Segment	CAS	ChemicalName	EmissionQuantityFor2007InPounds	EmissionQuantityFo	MethodCode	VOC?	TAC?	HAP?
13460	1	1	CO	Carbon Monoxide	39014	30587	3	No	No	No
13460	1	1	7440-47-3	Chromium and compounds	50	39	3	No	Yes	Yes
13460	1	1	NO2	Nitrogen Oxides	5899	4625	3	No	No	No
13460	1	1	43207	Other Volatile Organic Compounds (VOC)	4692	3679	3	Yes	No	No
13460	1	1	PM10	Particulate Matter	4022	3153	3	No	No	No
13460	1	1	PM2.5	Particulate Matter	3911.4	3067		No	No	No
13460	1	1	SO2	Sulfur Oxides	938	736	3	No	No	No
13460	1	1	7439-92-1	Lead and compounds	429.024		3	Yes	No	Yes
13460	1	1	16984-48-8	Fluorides, as F	1006		3	No	No	Yes
13460	1	1	7440-41-7	Beryllium and compounds	0.000992118		3	Yes	No	Yes
13460	2	1	7664-41-7	Ammonia (NH3)	2139.076923	1966		No	Yes	No
13460	2	1	CO	Carbon Monoxide	17658	16228	1	No	No	No
13460	2	1	NO2	Nitrogen Oxides	81894.56	75262	1	No	No	No
13460	2	1	43207	Other Volatile Organic Compounds (VOC)	3677	3379	3	Yes	No	No
13460	2	1	PM10	Particulate Matter	5080	4669	3	No	No	No
13460	2	1	PM2.5	Particulate Matter	5080	4669		No	No	No
13460	2	1	SO2	Sulfur Oxides	401	8416	3	No	No	No
13460	3	1	43207	Other Volatile Organic Compounds (VOC)	0	0	1	Yes	No	No
13460	3	1	VOC	Volatile Organic Compounds (VOC)	0	0	1	Yes	No	No
13460	4	1	7664-41-7	Ammonia (NH3)	0	0		No	Yes	No
13460	4	1	CO	Carbon Monoxide	0	0	3	No	No	No
13460	4	1	NO2	Nitrogen Oxides	0	0	3	No	No	No
13460	4	1	43207	Other Volatile Organic Compounds (VOC)	0	0	3	Yes	No	No
13460	4	1	PM10	Particulate Matter	0	0	3	No	No	No
13460	4	1	SO2	Sulfur Oxides	0	0	3	No	No	No
13460	4	1	VOC	Volatile Organic Compounds (VOC)	0	0	3	Yes	No	No

Jorgensen Forge Corporation 104(e) Response

Segments

Reg	Point	Segment	Description	SCC_Code	ProcessQuantity2007	ProcessQuantity2006	ProcessUnits	EPAPrimaryControlDevice	EPASecondaryControlDevice	HeatContentInMillionBTUs	HeatContentFuelTypeBurned	SulfurContent%	AshContent%
13460	1	1	Direct Arc Electric Arc Furnace	3-03-009-04	13407	10511	Tons Produced						
13460	2	1	Natural Gas: Process Heaters	3-04-900-03	6952	6389	1000 Therms						
13460	3	1	Quenching Oils (Solvent)	3-04-022-11	0	0	Gal						
13460	4	1	Heat Treatment And Forge Furnaces	1-02-005-01	0	0	Gal						

PSAPCA SYNTHETIC MINOR

PRODUCTION LIMITS - CARBON MONOXIDE

TENATIVE CAPS = 833 FORGE TONS/MONTH
= 466 M THERMS/MONTH

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1994	JANUARY	215	1.94	358	0.61	0	0	2.54	
	FEBRUARY	420	3.78	329	0.56	0	0	4.34	
	MARCH	538	4.84	357	0.61	0	0	5.45	
	APRIL	474	4.27	362	0.62	0	0	4.88	
	MAY	571	5.14	372	0.63	0	0	5.77	
	JUNE	432	3.89	301	0.51	0	0	4.40	
	JULY	395	3.56	261	0.44	0	0	4.00	
	AUGUST	367	3.30	201	0.34	0	0	3.64	
	SEPTEMBER	438	3.94	170	0.29	0	0	4.23	
	OCTOBER	577	5.19	313	0.53	0	0	5.73	
	NOVEMBER	588	5.29	361	0.61	0	0	5.91	
	DECEMBER	275	2.48	283	0.48	0	0	2.96	53.85
1995	JANUARY	433	3.90	315	0.54	0	0	4.43	55.73
	FEBRUARY	806	7.25	356	0.61	0	0	7.86	59.25
	MARCH	538	4.84	409	0.70	0	0	5.54	59.34
	APRIL	565	5.09	401	0.68	0	0	5.77	60.23
	MAY	514	4.63	372	0.63	0	0	5.26	59.72
	JUNE	488	4.39	330	0.56	0	0	4.95	60.27
	JULY	781	7.03	378	0.64	0	0	7.67	63.94
	AUGUST	840	7.56	435	0.74	0	0	8.30	68.60
	SEPTEMBER	654	5.89	421	0.72	0	0	6.60	70.97
	OCTOBER	300	2.70	343	0.58	0	0	3.28	68.52
	NOVEMBER	486	4.37	291	0.49	0	0	4.87	67.49
	DECEMBER	547	4.92	441	0.75	2945	0.010013	5.68	70.21
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03
	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49

PSAPCA SYNTHETIC MINOR **FOR 1996 THRU 1998**

TENATIVE CAPS = *833 FORGE TONS/MONTH*

PRODUCTION LIMITS - CARBON MONOXIDE = *466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03
	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49
1997	JANUARY	607	5.46	512	0.87	0	0	6.33	87.11
	FEBRUARY	546	4.91	496	0.84	0	0	5.76	86.21
	MARCH	706	6.35	513	0.87	0	0	7.23	84.47
	APRIL	833	7.50	514	0.87	0	0	8.37	85.38
	MAY	678	6.10	338	0.57	0	0	6.68	84.19
	JUNE	430	3.87	440	0.75	0	0	4.62	80.72
	JULY	490	4.41	336	0.57	0	0	4.98	79.27
	AUGUST	649	5.84	500	0.85	0	0	6.69	78.61
	SEPTEMBER	697	6.27	493	0.84	0	0	7.11	79.35
	OCTOBER	654	5.89	588	1.00	0	0	6.89	76.87
	NOVEMBER	711	6.40	538	0.91	0	0	7.31	78.99
	DECEMBER	591	5.32	445	0.76	0	0	6.08	78.04
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.39
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09

PSAPCA SYNTHETIC MINOR **FOR 1998 THRU 2000**

TENATIVE CAPS = 833 FORGE TONS/MONTH

PRODUCTION LIMITS - CARBON MONOXIDE *= 466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.36
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09
1999	JANUARY	564	5.08	463	0.79	0	0	5.86	57.86
	FEBRUARY	347	3.12	273	0.46	0	0	3.59	54.64
	MARCH	256	2.30	333	0.57	0	0	2.87	51.41
	APRIL	298	2.68	315	0.54	0	0	3.22	50.02
	MAY	121	1.09	322	0.55	0	0	1.64	45.70
	JUNE	176	1.58	222	0.38	0	0	1.96	42.75
	JULY	264	2.38	290	0.49	0	0	2.87	43.56
	AUGUST	491	4.42	289	0.49	0	0	4.91	43.40
	SEPTEMBER	498	4.48	340	0.58	0		5.06	44.23
	OCTOBER	466	4.19	409	0.70	0		4.89	43.96
	NOVEMBER	761	6.85	432	0.73	0		7.58	47.22
	DECEMBER	503	4.53	342	0.58	0		5.11	49.56
2000	JANUARY	1017	9.15	512	0.87	0		10.02	53.72
	FEBRUARY	862	7.76	460	0.78	0		8.54	58.67
	MARCH	776	6.98	445	0.76	0		7.74	63.54
	APRIL	644	5.80	346	0.59	0		6.38	66.71
	MAY	547	4.92	438	0.74	0		5.67	70.74
	JUNE	714	6.43	439	0.75	0		7.17	75.95
	JULY	553	4.98	361	0.61	0		5.59	78.67
	AUGUST	830	7.47	395	0.67	0		8.14	81.90
	SEPTEMBER	675	6.08	390	0.66	0		6.74	83.58
	OCTOBER	670	6.03	403	0.69	0		6.72	85.41
	NOVEMBER	615	5.54	480	0.82	0		6.35	84.17
	DECEMBER	519	4.67	278	0.47	0		5.14	84.21

PSAPCA SYNTHETIC MINOR **FOR 2000 THRU 2002**

TENATIVE CAPS = 833 FORGE TONS/MONTH

PRODUCTION LIMITS - CARBON MONOXIDE *= 466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
2000	JANUARY	1017	9.15	512	0.87	0		10.02	53.72
	FEBRUARY	862	7.76	460	0.78	0		8.54	58.67
	MARCH	776	6.98	445	0.76	0		7.74	63.54
	APRIL	644	5.80	346	0.59	0		6.38	66.71
	MAY	547	4.92	438	0.74	0		5.67	70.74
	JUNE	714	6.43	439	0.75	0		7.17	75.95
	JULY	553	4.98	361	0.61	0		5.59	78.67
	AUGUST	830	7.47	395	0.67	0		8.14	81.90
	SEPTEMBER	675	6.08	390	0.66	0		6.74	83.58
	OCTOBER	670	6.03	403	0.69	0		6.72	85.41
	NOVEMBER	615	5.54	480	0.82	0		6.35	84.17
	DECEMBER	519	4.67	278	0.47	0		5.14	84.21
2001	January	629	5.66	353	0.60	0	0	6.26	80.45
	February	589	5.30	355	0.60	0		5.90	77.81
	March	657	5.91	405	0.69	0		6.60	76.67
	April	609	5.48	394	0.67	0		6.15	76.44
	May	606	5.45	364	0.62	0		6.07	76.84
	June	629	5.66	352	0.60	0		6.26	75.93
	July	522	4.70	341	0.58	0		5.28	75.62
	August	664	5.98	403	0.69	0		6.66	74.14
	September	465	4.19	408	0.69	0		4.88	72.28
	October	395	3.56	356	0.61	0		4.16	69.72
	November	313	2.82	350	0.60	0		3.41	66.78
	December	129	1.16	205	0.35	0		1.51	63.15
2002	January	347	3.12	278	0.47	0		3.60	60.48
	February	441	3.97	287	0.49	0		4.46	59.04
	March	443	3.99	418	0.71	0		4.70	57.13
	April	399	3.59	372	0.63	0		4.22	55.20
	May	512	4.61	418	0.71	0		5.32	54.45
	June	407	3.66	508	0.86	0		4.53	52.72
	July	238	2.14	280	0.48	0		2.62	50.06

August	456	4.10	433	0.74	0	4.84	48.24
September	310	2.79	455	0.77	0	3.56	46.92
October	342	3.08	416	0.71	0	3.79	46.55
November	301	2.71	347	0.59	0	3.30	46.43
December	150	1.35	277	0.47	0	1.82	46.75

PSAPCA SYNTHETIC MINOR **FOR 2002 THRU 2005**

TENTATIVE CAPS = *833 FORGE TONS/MONTH*

PRODUCTION LIMITS - CARBON MONOXIDE = *466 M THERMS/MONTH*

0.001455 CO Furnace Factor
0.00127 CO Nat Gas Factor

		ELECTRIC FURNACE		NATURAL GAS		DISTILLED OIL		TOTAL	12 MONTH
YEAR	MONTH	FORGE TONS	TONS CO	1000'S THERMS	TONS CO	GALLONS USED	TONS CO	TONS CO	RUNNING TOTAL
2002	January	347	0.50	278	0.35	0		0.86	60.48
	February	441	0.64	287	0.36	0		1.01	59.04
	March	443	0.64	418	0.53	0		1.18	57.13
	April	399	0.58	372	0.47	0		1.05	55.20
	May	512	0.74	418	0.53	0		1.28	54.45
	June	407	0.59	508	0.65	0		1.24	52.72
	July	238	0.35	280	0.36	0		0.70	50.06
	August	456	0.66	433	0.55	0		1.21	48.24
	September	310	0.45	455	0.58	0		1.03	46.92
	October	342	0.50	416	0.53	0		1.03	46.55
	November	301	0.44	347	0.44	0		0.88	46.43
	December	150	0.22	277	0.35	0		0.57	46.75
2003	January	380	0.55	363	0.46	0		1.01	12.18
	February	339	0.49	316	0.40	0		0.89	12.07
	March	264	0.38	304	0.39	0		0.77	11.66
	April	219	0.32	283	0.36	0		0.68	11.29
	May	341	0.50	372	0.47	0		0.97	10.98
	June	371	0.54	392	0.50	0		1.04	10.78
	July	558	0.81	465	0.59	0		1.40	11.48
	August	215	0.31	399	0.51	0		0.82	11.09
	September	248	0.36	405	0.51	0		0.88	10.93
	October	240	0.35	427	0.54	0		0.89	10.80
	November	263	0.38	358	0.45	0		0.84	10.76
	December	300	0.44	311	0.39	0		0.83	11.02
2004	January	431	0.63	422	0.54	0	0	1.16	11.17
	February	596	0.87	433	0.55	0		1.42	11.69
	March	715	1.04	473	0.60	0		1.64	12.56
	April	635	0.92	454	0.58	0		1.50	13.39
	May	543	0.79	407	0.52	0		1.31	13.72
	June	534	0.78	370	0.47	0		1.25	13.93
	July	435	0.63	362	0.46	0		1.09	13.62
	August	215	0.31	190	0.24	0		0.55	13.36
	September	486	0.71	330	0.42	0		1.13	13.61
	October	526	0.77	381	0.48	0		1.25	13.97
	November	629	0.92	384	0.49	0		1.40	14.53
	December	482	0.70	346	0.44	0		1.14	14.84
2005	January	493	0.72	392	0.50	0		1.22	14.89
	February	604	0.88	425	0.54	0		1.42	14.89
	March	726	1.06	482	0.61	0		1.67	14.92
	April	681	0.99	420	0.53	0		1.52	14.95
	May	593	0.86	391	0.50	0		1.36	15.00
	June	625	0.91	402	0.51	0		1.42	15.17
	July	610	0.89	367	0.47	0		1.35	15.43
	August	721	1.05	476	0.60	0		1.65	16.53
	September	605	0.88	387	0.49	0		1.37	16.78
	October	845	1.23	501	0.64	0		1.87	17.39
	November	878	1.28	474	0.60	0		1.88	17.87
	December	763	1.11	475	0.60	0		1.71	18.44

PSAPCA SYNTHETIC MINOR **FOR 2002 THRU 2005**

TENTATIVE CAPS = *833 FOR*

PRODUCTION LIMITS - Nitrogen Oxides = *466 M T*

		ELECTRIC FURNACE		NATURAL GAS		DISTILLED OIL	
YEAR	MONTH	FORGE TONS	TONS NOx	1000'S THERMS	TONS NOx	GALLONS USED	TONS NOx
2002	January	347	0.08	278	1.64	0	
	February	441	0.10	287	1.69	0	
	March	443	0.10	418	2.46	0	
	April	399	0.09	372	2.19	0	
	May	512	0.11	418	2.46	0	
	June	407	0.09	508	2.99	0	
	July	238	0.05	280	1.65	0	
	August	456	0.10	433	2.55	0	
	September	310	0.07	455	2.68	0	
	October	342	0.08	416	2.45	0	
	November	301	0.07	347	2.04	0	
	December	150	0.03	277	1.63	0	
2003	January	380	0.08	363	2.14	0	
	February	339	0.07	316	1.86	0	
	March	264	0.06	304	1.79	0	
	April	219	0.05	283	1.67	0	
	May	341	0.08	372	2.19	0	
	June	371	0.08	392	2.31	0	
	July	558	0.12	465	2.74	0	
	August	215	0.05	399	2.35	0	
	September	248	0.05	405	2.39	0	
	October	240	0.05	427	2.52	0	
	November	263	0.06	358	2.11	0	
	December	300	0.07	311	1.83	0	
2004	January	431	0.09	422	2.49	0	0
	February	596	0.13	433	2.55	0	
	March	715	0.16	473	2.79	0	
	April	635	0.14	454	2.67	0	
	May	543	0.12	407	2.40	0	
	June	534	0.12	370	2.18	0	
	July	435	0.10	362	2.13	0	
	August	215	0.05	190	1.12	0	
	September	486	0.11	330	1.94	0	
	October	526	0.12	381	2.24	0	
	November	629	0.14	384	2.26	0	
	December	482	0.11	346	2.04	0	
2005	January	493	0.11	392	2.31	0	
	February	604	0.13	425	2.50	0	
	March	726	0.16	482	2.84	0	
	April	681	0.15	420	2.47	0	
	May	593	0.13	391	2.30	0	
	June	625	0.14	402	2.37	0	
	July	610	0.13	367	2.16	0	
	August	721	0.16	476	2.80	0	
	September	605	0.13	387	2.28	0	

October	845	0.19	501	2.95	0
November	878	0.19	474	2.79	0
December	763	0.17	475	2.80	0

RGE TONS/MONTH
THERMS/MONTH

0.00022	NOx Furnace Factor
0.00589	NOx Reheat Furnace Factor
0.0049	NOx NOx Boiler Factor

TOTAL TONS NOx	12 MONTH RUNNING TOTAL
1.71	60.48
1.79	59.04
2.56	57.13
2.28	55.20
2.57	54.45
3.08	52.72
1.70	50.06
2.65	48.24
2.75	46.92
2.53	46.55
2.11	46.43
1.66	46.75
2.22	27.90
1.94	28.05
1.85	27.34
1.72	26.78
2.27	26.47
2.39	25.78
2.86	26.94
2.40	26.69
2.44	26.38
2.57	26.42
2.17	26.48
1.90	26.71
2.58	27.07
2.68	27.81
2.94	28.91
2.81	30.01
2.52	30.26
2.30	30.16
2.23	29.53
1.17	28.30
2.05	27.91
2.36	27.70
2.40	27.94
2.14	28.18
2.42	28.02
2.64	27.97
3.00	28.03
2.62	27.84
2.43	27.75
2.51	27.96
2.30	28.03
2.96	29.83
2.41	30.19

3.14	30.97
2.99	31.55
2.97	32.37

NOTE: If exceeds 75 permit 943 required.

PSAPCA SYNTHETIC MINOR FOR 2006 THRU 2012

PRODUCTION LIMITS - CARBON MONOXIDE

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	BOILER HOURS USED	25 MMBtu/hr TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
2006	January	856	1.25	515	0.65	-	-	1.90	19.13
	February	923	1.34	477	0.61	-	-	1.95	19.66
	March	1,102	1.60	583	0.74	-	-	2.34	20.33
	April	986	1.43	553	0.70	-	-	2.14	20.95
	May	1,076	1.57	567	0.72	-	-	2.29	21.87
	June	1,021	1.49	554	0.70	-	-	2.19	22.64
	July	903	1.31	474	0.60	72.00	0.07	1.99	23.28
	August	-	-	-	-	-	-	-	21.62
	September	-	-	-	-	-	-	-	20.25
	October	-	-	-	-	-	-	-	18.39
	November	-	-	-	-	-	-	-	16.51
	December	-	-	-	-	-	-	-	14.79
2007	January	-	-	-	-	-	-	-	12.89
	February	-	-	-	-	-	-	-	10.95
	March	-	-	-	-	-	-	-	8.60
	April	-	-	-	-	-	-	-	6.46
	May	-	-	-	-	-	-	-	4.18
	June	-	-	-	-	-	-	-	1.99
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2008	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-

	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2009	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2010	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2011	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-

	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2012	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-

the 12 month running total
5 tons per year see PSCAA
5, testing and reporting is

	0.001455	CO Furnace Factor
	0.00127	CO Nat Gas Factor
H	0.00412	CO Boiler Factor

NOTE: If exceeds 75 permit 943 required.

PSCAA SYNTHETIC MINOR FOR 2006 THRU 2012

PRODUCTION LIMITS - NITROGEN OXIDES

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS NOx	NATURAL GAS 1000'S THERMS	TONS NOx	BOILER HOURS USED	25 MMBtu/hr TONS NOx	TOTAL TONS NOx	12 MONTH RUNNING TOTAL
2006	January	856	0.19	515	3.03	-	-	3.22	33.18
	February	923	0.20	477	2.81	-	-	3.01	33.55
	March	1,102	0.24	583	3.43	-	-	3.68	34.23
	April	986	0.22	553	3.26	-	-	3.48	35.08
	May	1,076	0.24	567	3.34	-	-	3.58	36.23
	June	1,021	0.22	554	3.26	-	-	3.49	37.21
	July	903	0.20	474	2.79	72.00	0.09	3.08	37.99
	August	-	-	-	-	-	-	-	35.03
	September	-	-	-	-	-	-	-	32.62
	October	-	-	-	-	-	-	-	29.48
	November	-	-	-	-	-	-	-	26.50
	December	-	-	-	-	-	-	-	23.53
2007	January	-	-	-	-	-	-	-	20.31
	February	-	-	-	-	-	-	-	17.30
	March	-	-	-	-	-	-	-	13.62
	April	-	-	-	-	-	-	-	10.14
	May	-	-	-	-	-	-	-	6.57
	June	-	-	-	-	-	-	-	3.08
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2008	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-

	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2009	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2010	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2011	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-

	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2012	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-

the 12 month running total
5 tons per year see PSCAA
5, testing and reporting is

	0.00022	NOx Furnace Factor
	0.00589	NOx Reheat Furnace Factor
H	0.0049	NOx NOx Boiler Factor

PSAPCA SYNTHETIC MINOR

PRODUCTION LIMITS - CARBON MONOXIDE

TENATIVE CAPS = 833 FORGE TONS/MONTH
= 466 M THERMS/MONTH

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1994	JANUARY	215	1.94	358	0.61	0	0	2.54	
	FEBRUARY	420	3.78	329	0.56	0	0	4.34	
	MARCH	538	4.84	357	0.61	0	0	5.45	
	APRIL	474	4.27	362	0.62	0	0	4.88	
	MAY	571	5.14	372	0.63	0	0	5.77	
	JUNE	432	3.89	301	0.51	0	0	4.40	
	JULY	395	3.56	261	0.44	0	0	4.00	
	AUGUST	367	3.30	201	0.34	0	0	3.64	
	SEPTEMBER	438	3.94	170	0.29	0	0	4.23	
	OCTOBER	577	5.19	313	0.53	0	0	5.73	
	NOVEMBER	588	5.29	361	0.61	0	0	5.91	
	DECEMBER	275	2.48	283	0.48	0	0	2.96	53.85
1995	JANUARY	433	3.90	315	0.54	0	0	4.43	55.73
	FEBRUARY	806	7.25	356	0.61	0	0	7.86	59.25
	MARCH	538	4.84	409	0.70	0	0	5.54	59.34
	APRIL	565	5.09	401	0.68	0	0	5.77	60.23
	MAY	514	4.63	372	0.63	0	0	5.26	59.72
	JUNE	488	4.39	330	0.56	0	0	4.95	60.27
	JULY	781	7.03	378	0.64	0	0	7.67	63.94
	AUGUST	840	7.56	435	0.74	0	0	8.30	68.60
	SEPTEMBER	654	5.89	421	0.72	0	0	6.60	70.97
	OCTOBER	300	2.70	343	0.58	0	0	3.28	68.52
	NOVEMBER	486	4.37	291	0.49	0	0	4.87	67.49
	DECEMBER	547	4.92	441	0.75	2945	0.01001	5.68	70.21
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03

	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49
1997	JANUARY	607	5.46	512	0.87	0	0	6.33	87.11
	FEBRUARY	546	4.91	496	0.84	0	0	5.76	86.21
	MARCH	706	6.35	513	0.87	0	0	7.23	84.47
	APRIL	833	7.50	514	0.87	0	0	8.37	85.38
	MAY	678	6.10	338	0.57	0	0	6.68	84.19
	JUNE	430	3.87	440	0.75	0	0	4.62	80.72
	JULY	490	4.41	336	0.57	0	0	4.98	79.27
	AUGUST	649	5.84	500	0.85	0	0	6.69	78.61
	SEPTEMBER	697	6.27	493	0.84	0	0	7.11	79.35
	OCTOBER	654	5.89	588	1.00	0	0	6.89	76.87
	NOVEMBER	711	6.40	538	0.91	0	0	7.31	78.99
	DECEMBER	591	5.32	445	0.76	0	0	6.08	78.04
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.39
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09
1999	JANUARY	564	5.08	463	0.79	0	0	5.86	57.86
	FEBRUARY	347	3.12	273	0.46	0	0	3.59	54.64
	MARCH	256	2.30	333	0.57	0	0	2.87	51.41
	APRIL	298	2.68	315	0.54	0	0	3.22	50.02
	MAY	121	1.09	322	0.55	0	0	1.64	45.70
	JUNE	176	1.58	222	0.38	0	0	1.96	42.75
	JULY	264	2.38	290	0.49	0	0	2.87	43.56

AUGUST	491	4.42	289	0.49	0	0	4.91	43.40
SEPTEMBER		0.00						
OCTOBER		0.00						
NOVEMBER		0.00						
DECEMBER		0.00						

Production Rate **FOR 2006 THRU 2012**

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	NATURAL GAS 1000'S THERMS	BOILER HOURS USED
2006	January	856	515	-
	February	923	477	-
	March	1102	583	-
	April	986	553	-
	May	1076	567	-
	June	1021	554	-
	July	903	474	72.00
	August			-
	September			-
	October			-
	November			-
	December			-
2007	January			-
	February			-
	March			-
	April			-
	May			-
	June			-
	July			-
	August			-
	September			-
	October			-
	November			-
	December			-
2008	January			-
	February			-
	March			-
	April			-
	May			-
	June			-
	July			-
	August			-
	September			-
	October			-
	November			-
	December			-
2009	January			-
	February			-
	March			-
	April			-
	May			-

	June	-
	July	-
	August	-
	September	-
	October	-
	November	-
	December	-
2010	January	-
	February	-
	March	-
	April	-
	May	-
	June	-
	July	-
	August	-
	September	-
	October	-
	November	-
	December	-
2011	January	-
	February	-
	March	-
	April	-
	May	-
	June	-
	July	-
	August	-
	September	-
	October	-
	November	-
	December	-
2012	January	-
	February	-
	March	-
	April	-
	May	-
	June	-
	July	-
	August	-
	September	-
	October	-
	November	-
	December	-

PSAPCA SYNTHETIC MINOR

PRODUCTION LIMITS - CARBON MONOXIDE

TENATIVE CAPS = 833 FORGE TONS/MONTH
= 466 M THERMS/MONTH

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1994	JANUARY	215	1.94	358	0.61	0	0	2.54	
	FEBRUARY	420	3.78	329	0.56	0	0	4.34	
	MARCH	538	4.84	357	0.61	0	0	5.45	
	APRIL	474	4.27	362	0.62	0	0	4.88	
	MAY	571	5.14	372	0.63	0	0	5.77	
	JUNE	432	3.89	301	0.51	0	0	4.40	
	JULY	395	3.56	261	0.44	0	0	4.00	
	AUGUST	367	3.30	201	0.34	0	0	3.64	
	SEPTEMBER	438	3.94	170	0.29	0	0	4.23	
	OCTOBER	577	5.19	313	0.53	0	0	5.73	
	NOVEMBER	588	5.29	361	0.61	0	0	5.91	
	DECEMBER	275	2.48	283	0.48	0	0	2.96	53.85
1995	JANUARY	433	3.90	315	0.54	0	0	4.43	55.73
	FEBRUARY	806	7.25	356	0.61	0	0	7.86	59.25
	MARCH	538	4.84	409	0.70	0	0	5.54	59.34
	APRIL	565	5.09	401	0.68	0	0	5.77	60.23
	MAY	514	4.63	372	0.63	0	0	5.26	59.72
	JUNE	488	4.39	330	0.56	0	0	4.95	60.27
	JULY	781	7.03	378	0.64	0	0	7.67	63.94
	AUGUST	840	7.56	435	0.74	0	0	8.30	68.60
	SEPTEMBER	654	5.89	421	0.72	0	0	6.60	70.97
	OCTOBER	300	2.70	343	0.58	0	0	3.28	68.52
	NOVEMBER	486	4.37	291	0.49	0	0	4.87	67.49
	DECEMBER	547	4.92	441	0.75	2945	0.010013	5.68	70.21
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03
	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49

PSAPCA SYNTHETIC MINOR **FOR 1996 THRU 1998**

TENATIVE CAPS = *833 FORGE TONS/MONTH*

PRODUCTION LIMITS - CARBON MONOXIDE = *466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03
	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49
1997	JANUARY	607	5.46	512	0.87	0	0	6.33	87.11
	FEBRUARY	546	4.91	496	0.84	0	0	5.76	86.21
	MARCH	706	6.35	513	0.87	0	0	7.23	84.47
	APRIL	833	7.50	514	0.87	0	0	8.37	85.38
	MAY	678	6.10	338	0.57	0	0	6.68	84.19
	JUNE	430	3.87	440	0.75	0	0	4.62	80.72
	JULY	490	4.41	336	0.57	0	0	4.98	79.27
	AUGUST	649	5.84	500	0.85	0	0	6.69	78.61
	SEPTEMBER	697	6.27	493	0.84	0	0	7.11	79.35
	OCTOBER	654	5.89	588	1.00	0	0	6.89	76.87
	NOVEMBER	711	6.40	538	0.91	0	0	7.31	78.99
	DECEMBER	591	5.32	445	0.76	0	0	6.08	78.04
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.39
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09

PSAPCA SYNTHETIC MINOR **FOR 1998 THRU 2000**

TENATIVE CAPS = 833 FORGE TONS/MONTH

PRODUCTION LIMITS - CARBON MONOXIDE *= 466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.36
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09
1999	JANUARY	564	5.08	463	0.79	0	0	5.86	57.86
	FEBRUARY	347	3.12	273	0.46	0	0	3.59	54.64
	MARCH	256	2.30	333	0.57	0	0	2.87	51.41
	APRIL	298	2.68	315	0.54	0	0	3.22	50.02
	MAY	121	1.09	322	0.55	0	0	1.64	45.70
	JUNE	176	1.58	222	0.38	0	0	1.96	42.75
	JULY	264	2.38	290	0.49	0	0	2.87	43.56
	AUGUST	491	4.42	289	0.49	0	0	4.91	43.40
	SEPTEMBER	498	4.48	340	0.58	0		5.06	44.23
	OCTOBER	466	4.19	409	0.70	0		4.89	43.96
	NOVEMBER	761	6.85	432	0.73	0		7.58	47.22
	DECEMBER	503	4.53	342	0.58	0		5.11	49.56
2000	JANUARY	1017	9.15	512	0.87	0		10.02	53.72
	FEBRUARY	862	7.76	460	0.78	0		8.54	58.67
	MARCH	776	6.98	445	0.76	0		7.74	63.54
	APRIL	644	5.80	346	0.59	0		6.38	66.71
	MAY	547	4.92	438	0.74	0		5.67	70.74
	JUNE	714	6.43	439	0.75	0		7.17	75.95
	JULY	553	4.98	361	0.61	0		5.59	78.67
	AUGUST	830	7.47	395	0.67	0		8.14	81.90
	SEPTEMBER	675	6.08	390	0.66	0		6.74	83.58
	OCTOBER	670	6.03	403	0.69	0		6.72	85.41
	NOVEMBER	615	5.54	480	0.82	0		6.35	84.17
	DECEMBER	519	4.67	278	0.47	0		5.14	84.21

PSAPCA SYNTHETIC MINOR **FOR 2000 THRU 2002**

TENATIVE CAPS = 833 FORGE TONS/MONTH

PRODUCTION LIMITS - CARBON MONOXIDE *= 466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
2000	JANUARY	1017	9.15	512	0.87	0		10.02	53.72
	FEBRUARY	862	7.76	460	0.78	0		8.54	58.67
	MARCH	776	6.98	445	0.76	0		7.74	63.54
	APRIL	644	5.80	346	0.59	0		6.38	66.71
	MAY	547	4.92	438	0.74	0		5.67	70.74
	JUNE	714	6.43	439	0.75	0		7.17	75.95
	JULY	553	4.98	361	0.61	0		5.59	78.67
	AUGUST	830	7.47	395	0.67	0		8.14	81.90
	SEPTEMBER	675	6.08	390	0.66	0		6.74	83.58
	OCTOBER	670	6.03	403	0.69	0		6.72	85.41
	NOVEMBER	615	5.54	480	0.82	0		6.35	84.17
	DECEMBER	519	4.67	278	0.47	0		5.14	84.21
2001	January	629	5.66	353	0.60	0	0	6.26	80.45
	February	589	5.30	355	0.60	0		5.90	77.81
	March	657	5.91	405	0.69	0		6.60	76.67
	April	609	5.48	394	0.67	0		6.15	76.44
	May	606	5.45	364	0.62	0		6.07	76.84
	June	629	5.66	352	0.60	0		6.26	75.93
	July	522	4.70	341	0.58	0		5.28	75.62
	August	664	5.98	403	0.69	0		6.66	74.14
	September	465	4.19	408	0.69	0		4.88	72.28
	October	395	3.56	356	0.61	0		4.16	69.72
	November	313	2.82	350	0.60	0		3.41	66.78
	December	129	1.16	205	0.35	0		1.51	63.15
2002	January	347	3.12	278	0.47	0		3.60	60.48
	February	441	3.97	287	0.49	0		4.46	59.04
	March	443	3.99	418	0.71	0		4.70	57.13
	April	399	3.59	372	0.63	0		4.22	55.20
	May	512	4.61	418	0.71	0		5.32	54.45
	June	407	3.66	508	0.86	0		4.53	52.72
	July	238	2.14	280	0.48	0		2.62	50.06

August	456	4.10	433	0.74	0	4.84	48.24
September	310	2.79	455	0.77	0	3.56	46.92
October	342	3.08	416	0.71	0	3.79	46.55
November	301	2.71	347	0.59	0	3.30	46.43
December	150	1.35	277	0.47	0	1.82	46.75

PSAPCA SYNTHETIC MINOR **FOR 2002 THRU 2005**

PRODUCTION LIMITS - CARBON MONOXIDE

TENTATIVE CAPS = *833 FORGE TONS/MONTH*
= *466 M THERMS/MONTH*

0.001455 CO Furnace Factor
0.00127 CO Nat Gas Factor

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
2002	January	347	0.50	278	0.35	0		0.86	60.48
	February	441	0.64	287	0.36	0		1.01	59.04
	March	443	0.64	418	0.53	0		1.18	57.13
	April	399	0.58	372	0.47	0		1.05	55.20
	May	512	0.74	418	0.53	0		1.28	54.45
	June	407	0.59	508	0.65	0		1.24	52.72
	July	238	0.35	280	0.36	0		0.70	50.06
	August	456	0.66	433	0.55	0		1.21	48.24
	September	310	0.45	455	0.58	0		1.03	46.92
	October	342	0.50	416	0.53	0		1.03	46.55
	November	301	0.44	347	0.44	0		0.88	46.43
	December	150	0.22	277	0.35	0		0.57	46.75
2003	January	380	0.55	363	0.46	0		1.01	12.18
	February	339	0.49	316	0.40	0		0.89	12.07
	March	264	0.38	304	0.39	0		0.77	11.66
	April	219	0.32	283	0.36	0		0.68	11.29
	May	341	0.50	372	0.47	0		0.97	10.98
	June	371	0.54	392	0.50	0		1.04	10.78
	July	558	0.81	465	0.59	0		1.40	11.48
	August	215	0.31	399	0.51	0		0.82	11.09
	September	248	0.36	405	0.51	0		0.88	10.93
	October	240	0.35	427	0.54	0		0.89	10.80
	November	263	0.38	358	0.45	0		0.84	10.76
	December	300	0.44	311	0.39	0		0.83	11.02
2004	January	431	0.63	422	0.54	0	0	1.16	11.17
	February	596	0.87	433	0.55	0		1.42	11.69
	March	715	1.04	473	0.60	0		1.64	12.56
	April	635	0.92	454	0.58	0		1.50	13.39
	May	543	0.79	407	0.52	0		1.31	13.72
	June	534	0.78	370	0.47	0		1.25	13.93
	July	435	0.63	362	0.46	0		1.09	13.62
	August	215	0.31	190	0.24	0		0.55	13.36
	September	486	0.71	330	0.42	0		1.13	13.61
	October	526	0.77	381	0.48	0		1.25	13.97
	November	629	0.92	384	0.49	0		1.40	14.53
	December	482	0.70	346	0.44	0		1.14	14.84
2005	January	493	0.72	392	0.50	0		1.22	14.89
	February	604	0.88	425	0.54	0		1.42	14.89
	March	726	1.06	482	0.61	0		1.67	14.92
	April	681	0.99	420	0.53	0		1.52	14.95
	May	593	0.86	391	0.50	0		1.36	15.00
	June	625	0.91	402	0.51	0		1.42	15.17
	July	610	0.89	367	0.47	0		1.35	15.43
	August	721	1.05	476	0.60	0		1.65	16.53
	September	605	0.88	387	0.49	0		1.37	16.78
	October	845	1.23	501	0.64	0		1.87	17.39
	November	878	1.28	474	0.60	0		1.88	17.87
	December	763	1.11	475	0.60	0		1.71	18.44

PSAPCA SYNTHETIC MINOR **FOR 2002 THRU 2005**

TENTATIVE CAPS = *833 FOR*

PRODUCTION LIMITS - Nitrogen Oxides = *466 M T*

		ELECTRIC FURNACE		NATURAL GAS		DISTILLED OIL	
YEAR	MONTH	FORGE TONS	TONS NOx	1000'S THERMS	TONS NOx	GALLONS USED	TONS NOx
2002	January	347	0.08	278	1.64	0	
	February	441	0.10	287	1.69	0	
	March	443	0.10	418	2.46	0	
	April	399	0.09	372	2.19	0	
	May	512	0.11	418	2.46	0	
	June	407	0.09	508	2.99	0	
	July	238	0.05	280	1.65	0	
	August	456	0.10	433	2.55	0	
	September	310	0.07	455	2.68	0	
	October	342	0.08	416	2.45	0	
	November	301	0.07	347	2.04	0	
	December	150	0.03	277	1.63	0	
2003	January	380	0.08	363	2.14	0	
	February	339	0.07	316	1.86	0	
	March	264	0.06	304	1.79	0	
	April	219	0.05	283	1.67	0	
	May	341	0.08	372	2.19	0	
	June	371	0.08	392	2.31	0	
	July	558	0.12	465	2.74	0	
	August	215	0.05	399	2.35	0	
	September	248	0.05	405	2.39	0	
	October	240	0.05	427	2.52	0	
	November	263	0.06	358	2.11	0	
	December	300	0.07	311	1.83	0	
2004	January	431	0.09	422	2.49	0	0
	February	596	0.13	433	2.55	0	
	March	715	0.16	473	2.79	0	
	April	635	0.14	454	2.67	0	
	May	543	0.12	407	2.40	0	
	June	534	0.12	370	2.18	0	
	July	435	0.10	362	2.13	0	
	August	215	0.05	190	1.12	0	
	September	486	0.11	330	1.94	0	
	October	526	0.12	381	2.24	0	
	November	629	0.14	384	2.26	0	
	December	482	0.11	346	2.04	0	
2005	January	493	0.11	392	2.31	0	
	February	604	0.13	425	2.50	0	
	March	726	0.16	482	2.84	0	
	April	681	0.15	420	2.47	0	
	May	593	0.13	391	2.30	0	
	June	625	0.14	402	2.37	0	
	July	610	0.13	367	2.16	0	
	August	721	0.16	476	2.80	0	
	September	605	0.13	387	2.28	0	

October	845	0.19	501	2.95	0
November	878	0.19	474	2.79	0
December	763	0.17	475	2.80	0

RGE TONS/MONTH
THERMS/MONTH

0.00022	NOx Furnace Factor
0.00589	NOx Reheat Furnace Factor
0.0049	NOx NOx Boiler Factor

TOTAL TONS NOx	12 MONTH RUNNING TOTAL
1.71	60.48
1.79	59.04
2.56	57.13
2.28	55.20
2.57	54.45
3.08	52.72
1.70	50.06
2.65	48.24
2.75	46.92
2.53	46.55
2.11	46.43
1.66	46.75
2.22	27.90
1.94	28.05
1.85	27.34
1.72	26.78
2.27	26.47
2.39	25.78
2.86	26.94
2.40	26.69
2.44	26.38
2.57	26.42
2.17	26.48
1.90	26.71
2.58	27.07
2.68	27.81
2.94	28.91
2.81	30.01
2.52	30.26
2.30	30.16
2.23	29.53
1.17	28.30
2.05	27.91
2.36	27.70
2.40	27.94
2.14	28.18
2.42	28.02
2.64	27.97
3.00	28.03
2.62	27.84
2.43	27.75
2.51	27.96
2.30	28.03
2.96	29.83
2.41	30.19

3.14	30.97
2.99	31.55
2.97	32.37

NOTE: If exceeds 75 permit 943 required.

PSAPCA SYNTHETIC MINOR FOR 2006 THRU 2012

PRODUCTION LIMITS - CARBON MONOXIDE

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	BOILER HOURS USED	25 MMBtu/hr TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
2006	January	856	1.25	515	0.65	-	-	1.90	19.13
	February	923	1.34	477	0.61	-	-	1.95	19.66
	March	1,102	1.60	583	0.74	-	-	2.34	20.33
	April	986	1.43	553	0.70	-	-	2.14	20.95
	May	1,076	1.57	567	0.72	-	-	2.29	21.87
	June	1,021	1.49	554	0.70	-	-	2.19	22.64
	July	903	1.31	474	0.60	72.00	0.07	1.99	23.28
	August	1,000	1.46	570	0.72	-	-	2.18	23.80
	September	798	1.16	528	0.67	-	-	1.83	24.26
	October	711	1.03	707	0.90	-	-	1.93	24.33
	November	446	0.65	325	0.41	-	-	1.06	23.51
	December	689	1.00	536	0.68	-	-	1.68	23.48
2007	January	-	-	-	-	-	-	-	21.58
	February	-	-	-	-	-	-	-	19.63
	March	-	-	-	-	-	-	-	17.29
	April	-	-	-	-	-	-	-	15.15
	May	-	-	-	-	-	-	-	12.87
	June	-	-	-	-	-	-	-	10.68
	July	-	-	-	-	-	-	-	8.69
	August	-	-	-	-	-	-	-	6.51
	September	-	-	-	-	-	-	-	4.68
	October	-	-	-	-	-	-	-	2.74
	November	-	-	-	-	-	-	-	1.68
	December	-	-	-	-	-	-	-	-
2008	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-

	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2009	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2010	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2011	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-

	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2012	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-

the 12 month running total
5 tons per year see PSCAA
5, testing and reporting is

	0.001455	CO Furnace Factor
	0.00127	CO Nat Gas Factor
H	0.00412	CO Boiler Factor

NOTE: If exceeds 75 permit 943 required.

PSCAA SYNTHETIC MINOR FOR 2006 THRU 2012

PRODUCTION LIMITS - NITROGEN OXIDES

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	ELECTRIC FURNACE TONS NOx	NATURAL GAS 1000'S THERMS	NATURAL GAS TONS NOx	BOILER HOURS USED	25 MMBtu/hr TONS NOx	TOTAL TONS NOx	12 MONTH RUNNING TOTAL
2006	January	856	0.19	515	3.03	-	-	3.22	33.18
	February	923	0.20	477	2.81	-	-	3.01	33.55
	March	1,102	0.24	583	3.43	-	-	3.68	34.23
	April	986	0.22	553	3.26	-	-	3.48	35.08
	May	1,076	0.24	567	3.34	-	-	3.58	36.23
	June	1,021	0.22	554	3.26	-	-	3.49	37.21
	July	903	0.20	474	2.79	72.00	0.09	3.08	37.99
	August	1,000	0.22	570	3.36	-	-	3.58	38.61
	September	798	0.18	528	3.11	-	-	3.29	39.48
	October	711	0.16	707	4.16	-	-	4.32	40.66
	November	446	0.10	325	1.91	-	-	2.01	39.69
	December	689	0.15	536	3.16	-	-	3.31	40.03
2007	January	-	-	-	-	-	-	-	36.81
	February	-	-	-	-	-	-	-	33.80
	March	-	-	-	-	-	-	-	30.12
	April	-	-	-	-	-	-	-	26.65
	May	-	-	-	-	-	-	-	23.07
	June	-	-	-	-	-	-	-	19.58
	July	-	-	-	-	-	-	-	16.50
	August	-	-	-	-	-	-	-	12.93
	September	-	-	-	-	-	-	-	9.64
	October	-	-	-	-	-	-	-	5.32
	November	-	-	-	-	-	-	-	3.31
	December	-	-	-	-	-	-	-	-
2008	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-

	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2009	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2010	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2011	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-

	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-
2012	January	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-

the 12 month running total
5 tons per year see PSCAA
5, testing and reporting is

	0.00022	NOx Furnace Factor
	0.00589	NOx Reheat Furnace Factor
H	0.0049	NOx NOx Boiler Factor

PSAPCA SYNTHETIC MINOR

PRODUCTION LIMITS - CARBON MONOXIDE

TENATIVE CAPS = 833 FORGE TONS/MONTH
= 466 M THERMS/MONTH

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1994	JANUARY	215	1.94	358	0.61	0	0	2.54	
	FEBRUARY	420	3.78	329	0.56	0	0	4.34	
	MARCH	538	4.84	357	0.61	0	0	5.45	
	APRIL	474	4.27	362	0.62	0	0	4.88	
	MAY	571	5.14	372	0.63	0	0	5.77	
	JUNE	432	3.89	301	0.51	0	0	4.40	
	JULY	395	3.56	261	0.44	0	0	4.00	
	AUGUST	367	3.30	201	0.34	0	0	3.64	
	SEPTEMBER	438	3.94	170	0.29	0	0	4.23	
	OCTOBER	577	5.19	313	0.53	0	0	5.73	
	NOVEMBER	588	5.29	361	0.61	0	0	5.91	
	DECEMBER	275	2.48	283	0.48	0	0	2.96	53.85
1995	JANUARY	433	3.90	315	0.54	0	0	4.43	55.73
	FEBRUARY	806	7.25	356	0.61	0	0	7.86	59.25
	MARCH	538	4.84	409	0.70	0	0	5.54	59.34
	APRIL	565	5.09	401	0.68	0	0	5.77	60.23
	MAY	514	4.63	372	0.63	0	0	5.26	59.72
	JUNE	488	4.39	330	0.56	0	0	4.95	60.27
	JULY	781	7.03	378	0.64	0	0	7.67	63.94
	AUGUST	840	7.56	435	0.74	0	0	8.30	68.60
	SEPTEMBER	654	5.89	421	0.72	0	0	6.60	70.97
	OCTOBER	300	2.70	343	0.58	0	0	3.28	68.52
	NOVEMBER	486	4.37	291	0.49	0	0	4.87	67.49
	DECEMBER	547	4.92	441	0.75	2945	0.01001	5.68	70.21
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03

	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49
1997	JANUARY	607	5.46	512	0.87	0	0	6.33	87.11
	FEBRUARY	546	4.91	496	0.84	0	0	5.76	86.21
	MARCH	706	6.35	513	0.87	0	0	7.23	84.47
	APRIL	833	7.50	514	0.87	0	0	8.37	85.38
	MAY	678	6.10	338	0.57	0	0	6.68	84.19
	JUNE	430	3.87	440	0.75	0	0	4.62	80.72
	JULY	490	4.41	336	0.57	0	0	4.98	79.27
	AUGUST	649	5.84	500	0.85	0	0	6.69	78.61
	SEPTEMBER	697	6.27	493	0.84	0	0	7.11	79.35
	OCTOBER	654	5.89	588	1.00	0	0	6.89	76.87
	NOVEMBER	711	6.40	538	0.91	0	0	7.31	78.99
	DECEMBER	591	5.32	445	0.76	0	0	6.08	78.04
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.39
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09
1999	JANUARY	564	5.08	463	0.79	0	0	5.86	57.86
	FEBRUARY	347	3.12	273	0.46	0	0	3.59	54.64
	MARCH	256	2.30	333	0.57	0	0	2.87	51.41
	APRIL	298	2.68	315	0.54	0	0	3.22	50.02
	MAY	121	1.09	322	0.55	0	0	1.64	45.70
	JUNE	176	1.58	222	0.38	0	0	1.96	42.75
	JULY	264	2.38	290	0.49	0	0	2.87	43.56

AUGUST	491	4.42	289	0.49	0	0	4.91	43.40
SEPTEMBER		0.00						
OCTOBER		0.00						
NOVEMBER		0.00						
DECEMBER		0.00						

Production Rate **FOR 2006 THRU 2012**

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	NATURAL GAS 1000'S THERMS	BOILER HOURS USED
2006	January	856	515	-
	February	923	477	-
	March	1102	583	-
	April	986	553	-
	May	1076	567	-
	June	1021	554	-
	July	903	474	72.00
	August	1000	570	-
	September	798	528	-
	October	711	707	-
	November	446	325	-
	December	689	536	-
2007	January			-
	February			-
	March			-
	April			-
	May			-
	June			-
	July			-
	August			-
	September			-
	October			-
	November			-
	December			-
2008	January			-
	February			-
	March			-
	April			-
	May			-
	June			-
	July			-
	August			-
	September			-
	October			-
	November			-
	December			-
2009	January			-
	February			-
	March			-
	April			-
	May			-

	June	-
	July	-
	August	-
	September	-
	October	-
	November	-
	December	-
2010	January	-
	February	-
	March	-
	April	-
	May	-
	June	-
	July	-
	August	-
	September	-
	October	-
	November	-
	December	-
2011	January	-
	February	-
	March	-
	April	-
	May	-
	June	-
	July	-
	August	-
	September	-
	October	-
	November	-
	December	-
2012	January	-
	February	-
	March	-
	April	-
	May	-
	June	-
	July	-
	August	-
	September	-
	October	-
	November	-
	December	-

PSAPCA SYNTHETIC MINOR

PRODUCTION LIMITS - CARBON MONOXIDE

TENATIVE CAPS = 833 FORGE TONS/MONTH
= 466 M THERMS/MONTH

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1994	JANUARY	215	1.94	358	0.61	0	0	2.54	
	FEBRUARY	420	3.78	329	0.56	0	0	4.34	
	MARCH	538	4.84	357	0.61	0	0	5.45	
	APRIL	474	4.27	362	0.62	0	0	4.88	
	MAY	571	5.14	372	0.63	0	0	5.77	
	JUNE	432	3.89	301	0.51	0	0	4.40	
	JULY	395	3.56	261	0.44	0	0	4.00	
	AUGUST	367	3.30	201	0.34	0	0	3.64	
	SEPTEMBER	438	3.94	170	0.29	0	0	4.23	
	OCTOBER	577	5.19	313	0.53	0	0	5.73	
	NOVEMBER	588	5.29	361	0.61	0	0	5.91	
	DECEMBER	275	2.48	283	0.48	0	0	2.96	53.85
1995	JANUARY	433	3.90	315	0.54	0	0	4.43	55.73
	FEBRUARY	806	7.25	356	0.61	0	0	7.86	59.25
	MARCH	538	4.84	409	0.70	0	0	5.54	59.34
	APRIL	565	5.09	401	0.68	0	0	5.77	60.23
	MAY	514	4.63	372	0.63	0	0	5.26	59.72
	JUNE	488	4.39	330	0.56	0	0	4.95	60.27
	JULY	781	7.03	378	0.64	0	0	7.67	63.94
	AUGUST	840	7.56	435	0.74	0	0	8.30	68.60
	SEPTEMBER	654	5.89	421	0.72	0	0	6.60	70.97
	OCTOBER	300	2.70	343	0.58	0	0	3.28	68.52
	NOVEMBER	486	4.37	291	0.49	0	0	4.87	67.49
	DECEMBER	547	4.92	441	0.75	2945	0.010013	5.68	70.21
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03
	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49

PSAPCA SYNTHETIC MINOR **FOR 1996 THRU 1998**

TENATIVE CAPS = *833 FORGE TONS/MONTH*

PRODUCTION LIMITS - CARBON MONOXIDE = *466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03
	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49
1997	JANUARY	607	5.46	512	0.87	0	0	6.33	87.11
	FEBRUARY	546	4.91	496	0.84	0	0	5.76	86.21
	MARCH	706	6.35	513	0.87	0	0	7.23	84.47
	APRIL	833	7.50	514	0.87	0	0	8.37	85.38
	MAY	678	6.10	338	0.57	0	0	6.68	84.19
	JUNE	430	3.87	440	0.75	0	0	4.62	80.72
	JULY	490	4.41	336	0.57	0	0	4.98	79.27
	AUGUST	649	5.84	500	0.85	0	0	6.69	78.61
	SEPTEMBER	697	6.27	493	0.84	0	0	7.11	79.35
	OCTOBER	654	5.89	588	1.00	0	0	6.89	76.87
	NOVEMBER	711	6.40	538	0.91	0	0	7.31	78.99
	DECEMBER	591	5.32	445	0.76	0	0	6.08	78.04
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.39
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09

PSAPCA SYNTHETIC MINOR **FOR 1998 THRU 2000**

TENATIVE CAPS = 833 FORGE TONS/MONTH

PRODUCTION LIMITS - CARBON MONOXIDE *= 466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.36
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09
1999	JANUARY	564	5.08	463	0.79	0	0	5.86	57.86
	FEBRUARY	347	3.12	273	0.46	0	0	3.59	54.64
	MARCH	256	2.30	333	0.57	0	0	2.87	51.41
	APRIL	298	2.68	315	0.54	0	0	3.22	50.02
	MAY	121	1.09	322	0.55	0	0	1.64	45.70
	JUNE	176	1.58	222	0.38	0	0	1.96	42.75
	JULY	264	2.38	290	0.49	0	0	2.87	43.56
	AUGUST	491	4.42	289	0.49	0	0	4.91	43.40
	SEPTEMBER	498	4.48	340	0.58	0		5.06	44.23
	OCTOBER	466	4.19	409	0.70	0		4.89	43.96
	NOVEMBER	761	6.85	432	0.73	0		7.58	47.22
	DECEMBER	503	4.53	342	0.58	0		5.11	49.56
2000	JANUARY	1017	9.15	512	0.87	0		10.02	53.72
	FEBRUARY	862	7.76	460	0.78	0		8.54	58.67
	MARCH	776	6.98	445	0.76	0		7.74	63.54
	APRIL	644	5.80	346	0.59	0		6.38	66.71
	MAY	547	4.92	438	0.74	0		5.67	70.74
	JUNE	714	6.43	439	0.75	0		7.17	75.95
	JULY	553	4.98	361	0.61	0		5.59	78.67
	AUGUST	830	7.47	395	0.67	0		8.14	81.90
	SEPTEMBER	675	6.08	390	0.66	0		6.74	83.58
	OCTOBER	670	6.03	403	0.69	0		6.72	85.41
	NOVEMBER	615	5.54	480	0.82	0		6.35	84.17
	DECEMBER	519	4.67	278	0.47	0		5.14	84.21

PSAPCA SYNTHETIC MINOR **FOR 2000 THRU 2002**

TENATIVE CAPS = 833 FORGE TONS/MONTH

PRODUCTION LIMITS - CARBON MONOXIDE *= 466 M THERMS/MONTH*

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
2000	JANUARY	1017	9.15	512	0.87	0		10.02	53.72
	FEBRUARY	862	7.76	460	0.78	0		8.54	58.67
	MARCH	776	6.98	445	0.76	0		7.74	63.54
	APRIL	644	5.80	346	0.59	0		6.38	66.71
	MAY	547	4.92	438	0.74	0		5.67	70.74
	JUNE	714	6.43	439	0.75	0		7.17	75.95
	JULY	553	4.98	361	0.61	0		5.59	78.67
	AUGUST	830	7.47	395	0.67	0		8.14	81.90
	SEPTEMBER	675	6.08	390	0.66	0		6.74	83.58
	OCTOBER	670	6.03	403	0.69	0		6.72	85.41
	NOVEMBER	615	5.54	480	0.82	0		6.35	84.17
	DECEMBER	519	4.67	278	0.47	0		5.14	84.21
2001	January	629	5.66	353	0.60	0	0	6.26	80.45
	February	589	5.30	355	0.60	0		5.90	77.81
	March	657	5.91	405	0.69	0		6.60	76.67
	April	609	5.48	394	0.67	0		6.15	76.44
	May	606	5.45	364	0.62	0		6.07	76.84
	June	629	5.66	352	0.60	0		6.26	75.93
	July	522	4.70	341	0.58	0		5.28	75.62
	August	664	5.98	403	0.69	0		6.66	74.14
	September	465	4.19	408	0.69	0		4.88	72.28
	October	395	3.56	356	0.61	0		4.16	69.72
	November	313	2.82	350	0.60	0		3.41	66.78
	December	129	1.16	205	0.35	0		1.51	63.15
2002	January	347	3.12	278	0.47	0		3.60	60.48
	February	441	3.97	287	0.49	0		4.46	59.04
	March	443	3.99	418	0.71	0		4.70	57.13
	April	399	3.59	372	0.63	0		4.22	55.20
	May	512	4.61	418	0.71	0		5.32	54.45
	June	407	3.66	508	0.86	0		4.53	52.72
	July	238	2.14	280	0.48	0		2.62	50.06

August	456	4.10	433	0.74	0	4.84	48.24
September	310	2.79	455	0.77	0	3.56	46.92
October	342	3.08	416	0.71	0	3.79	46.55
November	301	2.71	347	0.59	0	3.30	46.43
December	150	1.35	277	0.47	0	1.82	46.75

PSAPCA SYNTHETIC MINOR **FOR 2002 THRU 2005**

TENTATIVE CAPS = *833 FORGE TONS/MONTH*

PRODUCTION LIMITS - CARBON MONOXIDE = *466 M THERMS/MONTH*

0.001455 CO Furnace Factor
0.00127 CO Nat Gas Factor

		ELECTRIC FURNACE		NATURAL GAS		DISTILLED OIL		TOTAL	12 MONTH
YEAR	MONTH	FORGE TONS	TONS CO	1000'S THERMS	TONS CO	GALLONS USED	TONS CO	TONS CO	RUNNING TOTAL
2002	January	347	0.50	278	0.35	0		0.86	60.48
	February	441	0.64	287	0.36	0		1.01	59.04
	March	443	0.64	418	0.53	0		1.18	57.13
	April	399	0.58	372	0.47	0		1.05	55.20
	May	512	0.74	418	0.53	0		1.28	54.45
	June	407	0.59	508	0.65	0		1.24	52.72
	July	238	0.35	280	0.36	0		0.70	50.06
	August	456	0.66	433	0.55	0		1.21	48.24
	September	310	0.45	455	0.58	0		1.03	46.92
	October	342	0.50	416	0.53	0		1.03	46.55
	November	301	0.44	347	0.44	0		0.88	46.43
	December	150	0.22	277	0.35	0		0.57	46.75
2003	January	380	0.55	363	0.46	0		1.01	12.18
	February	339	0.49	316	0.40	0		0.89	12.07
	March	264	0.38	304	0.39	0		0.77	11.66
	April	219	0.32	283	0.36	0		0.68	11.29
	May	341	0.50	372	0.47	0		0.97	10.98
	June	371	0.54	392	0.50	0		1.04	10.78
	July	558	0.81	465	0.59	0		1.40	11.48
	August	215	0.31	399	0.51	0		0.82	11.09
	September	248	0.36	405	0.51	0		0.88	10.93
	October	240	0.35	427	0.54	0		0.89	10.80
	November	263	0.38	358	0.45	0		0.84	10.76
	December	300	0.44	311	0.39	0		0.83	11.02
2004	January	431	0.63	422	0.54	0	0	1.16	11.17
	February	596	0.87	433	0.55	0		1.42	11.69
	March	715	1.04	473	0.60	0		1.64	12.56
	April	635	0.92	454	0.58	0		1.50	13.39
	May	543	0.79	407	0.52	0		1.31	13.72
	June	534	0.78	370	0.47	0		1.25	13.93
	July	435	0.63	362	0.46	0		1.09	13.62
	August	215	0.31	190	0.24	0		0.55	13.36
	September	486	0.71	330	0.42	0		1.13	13.61
	October	526	0.77	381	0.48	0		1.25	13.97
	November	629	0.92	384	0.49	0		1.40	14.53
	December	482	0.70	346	0.44	0		1.14	14.84
2005	January	493	0.72	392	0.50	0		1.22	14.89
	February	604	0.88	425	0.54	0		1.42	14.89
	March	726	1.06	482	0.61	0		1.67	14.92
	April	681	0.99	420	0.53	0		1.52	14.95
	May	593	0.86	391	0.50	0		1.36	15.00
	June	625	0.91	402	0.51	0		1.42	15.17
	July	610	0.89	367	0.47	0		1.35	15.43
	August	721	1.05	476	0.60	0		1.65	16.53
	September	605	0.88	387	0.49	0		1.37	16.78
	October	845	1.23	501	0.64	0		1.87	17.39
	November	878	1.28	474	0.60	0		1.88	17.87
	December	763	1.11	475	0.60	0		1.71	18.44

PSAPCA SYNTHETIC MINOR **FOR 2002 THRU 2005**

TENTATIVE CAPS = *833 FORGE TONS/MONTH*

PRODUCTION LIMITS - Nitrogen Oxides = *466 M THERMS/MONTH*

0.00022 NOx Furnace Factor
0.00589 NOx Reheat Furnace Factor
0.0049 NOx NOx Boiler Factor

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS NOx	NATURAL GAS 1000'S THERMS	TONS NOx	DISTILLED OIL GALLONS USED	TONS NOx	TOTAL TONS NOx	12 MONTH RUNNING TOTAL
2002	January	347	0.08	278	1.64	0		1.71	60.48
	February	441	0.10	287	1.69	0		1.79	59.04
	March	443	0.10	418	2.46	0		2.56	57.13
	April	399	0.09	372	2.19	0		2.28	55.20
	May	512	0.11	418	2.46	0		2.57	54.45
	June	407	0.09	508	2.99	0		3.08	52.72
	July	238	0.05	280	1.65	0		1.70	50.06
	August	456	0.10	433	2.55	0		2.65	48.24
	September	310	0.07	455	2.68	0		2.75	46.92
	October	342	0.08	416	2.45	0		2.53	46.55
	November	301	0.07	347	2.04	0		2.11	46.43
	December	150	0.03	277	1.63	0		1.66	46.75
2003	January	380	0.08	363	2.14	0		2.22	27.90
	February	339	0.07	316	1.86	0		1.94	28.05
	March	264	0.06	304	1.79	0		1.85	27.34
	April	219	0.05	283	1.67	0		1.72	26.78
	May	341	0.08	372	2.19	0		2.27	26.47
	June	371	0.08	392	2.31	0		2.39	25.78
	July	558	0.12	465	2.74	0		2.86	26.94
	August	215	0.05	399	2.35	0		2.40	26.69
	September	248	0.05	405	2.39	0		2.44	26.38
	October	240	0.05	427	2.52	0		2.57	26.42
	November	263	0.06	358	2.11	0		2.17	26.48
	December	300	0.07	311	1.83	0		1.90	26.71
2004	January	431	0.09	422	2.49	0	0	2.58	27.07
	February	596	0.13	433	2.55	0		2.68	27.81
	March	715	0.16	473	2.79	0		2.94	28.91
	April	635	0.14	454	2.67	0		2.81	30.01
	May	543	0.12	407	2.40	0		2.52	30.26
	June	534	0.12	370	2.18	0		2.30	30.16
	July	435	0.10	362	2.13	0		2.23	29.53
	August	215	0.05	190	1.12	0		1.17	28.30
	September	486	0.11	330	1.94	0		2.05	27.91
	October	526	0.12	381	2.24	0		2.36	27.70
	November	629	0.14	384	2.26	0		2.40	27.94
	December	482	0.11	346	2.04	0		2.14	28.18
2005	January	493	0.11	392	2.31	0		2.42	28.02
	February	604	0.13	425	2.50	0		2.64	27.97
	March	726	0.16	482	2.84	0		3.00	28.03
	April	681	0.15	420	2.47	0		2.62	27.84
	May	593	0.13	391	2.30	0		2.43	27.75
	June	625	0.14	402	2.37	0		2.51	27.96
	July	610	0.13	367	2.16	0		2.30	28.03
	August	721	0.16	476	2.80	0		2.96	29.83
	September	605	0.13	387	2.28	0		2.41	30.19
	October	845	0.19	501	2.95	0		3.14	30.97
	November	878	0.19	474	2.79	0		2.99	31.55
	December	763	0.17	475	2.80	0		2.97	32.37

NOTE: If the 12 month running total exceeds 75 tons per year see PSCAA permit 9435, testing and reporting is required.

PSAPCA SYNTHETIC MINOR **FOR 2006 THRU 2012**

PRODUCTION LIMITS - CARBON MONOXIDE

0.00146 CO Furnace Factor
0.00127 CO Nat Gas Factor
0.00412 CO Boiler Factor

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	BOILER HOURS USED	25 MMBtu/hr TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
2006	January	856	1.25	515	0.65	-		1.90	19.13
	February	923	1.34	477	0.61	-		1.95	19.66
	March	1102	1.60	583	0.74	-		2.34	20.33
	April	986	1.43	553	0.70	-		2.14	20.95
	May	1076	1.57	567	0.72	-		2.29	21.87
	June	1021	1.49	554	0.70	-		2.19	22.64
	July	903	1.31	474	0.60	72.00	0.07	1.99	23.28
	August		-		-	-	-	-	21.62
	September		-		-	-	-	-	20.25
	October		-		-	-	-	-	18.39
	November		-		-	-	-	-	16.51
	December		-		-	-	-	-	14.79
2007	January		-		-	-	-	-	12.89
	February		-		-	-	-	-	10.95
	March		-		-	-	-	-	8.60
	April		-		-	-	-	-	6.46
	May		-		-	-	-	-	4.18
	June		-		-	-	-	-	1.99
	July		-		-	-	-	-	-
	August		-		-	-	-	-	-
	September		-		-	-	-	-	-
	October		-		-	-	-	-	-
	November		-		-	-	-	-	-
	December		-		-	-	-	-	-
2008	January		-		-	-	-	-	-
	February		-		-	-	-	-	-
	March		-		-	-	-	-	-
	April		-		-	-	-	-	-
	May		-		-	-	-	-	-
	June		-		-	-	-	-	-
	July		-		-	-	-	-	-
	August		-		-	-	-	-	-
	September		-		-	-	-	-	-
	October		-		-	-	-	-	-
	November		-		-	-	-	-	-
	December		-		-	-	-	-	-
2009	January		-		-	-	-	-	-

	February	-	-	-	-	-	-
	March	-	-	-	-	-	-
	April	-	-	-	-	-	-
	May	-	-	-	-	-	-
	June	-	-	-	-	-	-
	July	-	-	-	-	-	-
	August	-	-	-	-	-	-
	September	-	-	-	-	-	-
	October	-	-	-	-	-	-
	November	-	-	-	-	-	-
	December	-	-	-	-	-	-
2010	January	-	-	-	-	-	-
	February	-	-	-	-	-	-
	March	-	-	-	-	-	-
	April	-	-	-	-	-	-
	May	-	-	-	-	-	-
	June	-	-	-	-	-	-
	July	-	-	-	-	-	-
	August	-	-	-	-	-	-
	September	-	-	-	-	-	-
	October	-	-	-	-	-	-
	November	-	-	-	-	-	-
	December	-	-	-	-	-	-
2011	January	-	-	-	-	-	-
	February	-	-	-	-	-	-
	March	-	-	-	-	-	-
	April	-	-	-	-	-	-
	May	-	-	-	-	-	-
	June	-	-	-	-	-	-
	July	-	-	-	-	-	-
	August	-	-	-	-	-	-
	September	-	-	-	-	-	-
	October	-	-	-	-	-	-
	November	-	-	-	-	-	-
	December	-	-	-	-	-	-
2012	January	-	-	-	-	-	-
	February	-	-	-	-	-	-
	March	-	-	-	-	-	-
	April	-	-	-	-	-	-
	May	-	-	-	-	-	-
	June	-	-	-	-	-	-
	July	-	-	-	-	-	-
	August	-	-	-	-	-	-
	September	-	-	-	-	-	-
	October	-	-	-	-	-	-
	November	-	-	-	-	-	-

December	-	-	-	-	-	-

NOTE: If the 12 month running total exceeds 75 tons per year see PSCAA permit 9435, testing and reporting is required.

PSCAA SYNTHETIC MINOR **FOR 2006 THRU 2012**

PRODUCTION LIMITS - NITROGEN OXIDES

0.00022 NOx Furnace Factor
0.00589 NOx Reheat Furnace Factor
0.0049 NOx NOx Boiler Factor

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS NOX	NATURAL GAS 1000'S THERMS	TONS NOX	BOILER HOURS USED	25 MMBtu/hr TONS NOX	TOTAL TONS NOX	12 MONTH RUNNING TOTAL
2006	January	856	0.19	515	3.03	-		3.22	33.18
	February	923	0.20	477	2.81	-		3.01	33.55
	March	1102	0.24	583	3.43	-		3.68	34.23
	April	986	0.22	553	3.26	-		3.48	35.08
	May	1076	0.24	567	3.34	-		3.58	36.23
	June	1021	0.22	554	3.26	-		3.49	37.21
	July	903	0.20	474	2.79	72.00	0.09	3.08	37.99
	August		-		-	-	-	-	35.03
	September		-		-	-	-	-	32.62
	October		-		-	-	-	-	29.48
	November		-		-	-	-	-	26.50
	December		-		-	-	-	-	23.53
2007	January		-		-	-	-	-	20.31
	February		-		-	-	-	-	17.30
	March		-		-	-	-	-	13.62
	April		-		-	-	-	-	10.14
	May		-		-	-	-	-	6.57
	June		-		-	-	-	-	3.08
	July		-		-	-	-	-	-
	August		-		-	-	-	-	-
	September		-		-	-	-	-	-
	October		-		-	-	-	-	-
	November		-		-	-	-	-	-
	December		-		-	-	-	-	-
2008	January		-		-	-	-	-	-
	February		-		-	-	-	-	-
	March		-		-	-	-	-	-
	April		-		-	-	-	-	-
	May		-		-	-	-	-	-
	June		-		-	-	-	-	-
	July		-		-	-	-	-	-
	August		-		-	-	-	-	-
	September		-		-	-	-	-	-
	October		-		-	-	-	-	-
	November		-		-	-	-	-	-
	December		-		-	-	-	-	-
2009	January		-		-	-	-	-	-
	February		-		-	-	-	-	-
	March		-		-	-	-	-	-
	April		-		-	-	-	-	-

	May	-	-	-	-	-	-
	June	-	-	-	-	-	-
	July	-	-	-	-	-	-
	August	-	-	-	-	-	-
	September	-	-	-	-	-	-
	October	-	-	-	-	-	-
	November	-	-	-	-	-	-
	December	-	-	-	-	-	-
2010	January	-	-	-	-	-	-
	February	-	-	-	-	-	-
	March	-	-	-	-	-	-
	April	-	-	-	-	-	-
	May	-	-	-	-	-	-
	June	-	-	-	-	-	-
	July	-	-	-	-	-	-
	August	-	-	-	-	-	-
	September	-	-	-	-	-	-
	October	-	-	-	-	-	-
	November	-	-	-	-	-	-
	December	-	-	-	-	-	-
2011	January	-	-	-	-	-	-
	February	-	-	-	-	-	-
	March	-	-	-	-	-	-
	April	-	-	-	-	-	-
	May	-	-	-	-	-	-
	June	-	-	-	-	-	-
	July	-	-	-	-	-	-
	August	-	-	-	-	-	-
	September	-	-	-	-	-	-
	October	-	-	-	-	-	-
	November	-	-	-	-	-	-
	December	-	-	-	-	-	-
2012	January	-	-	-	-	-	-
	February	-	-	-	-	-	-
	March	-	-	-	-	-	-
	April	-	-	-	-	-	-
	May	-	-	-	-	-	-
	June	-	-	-	-	-	-
	July	-	-	-	-	-	-
	August	-	-	-	-	-	-
	September	-	-	-	-	-	-
	October	-	-	-	-	-	-
	November	-	-	-	-	-	-
	December	-	-	-	-	-	-

PSAPCA SYNTHETIC MINOR

PRODUCTION LIMITS - CARBON MONOXIDE

TENATIVE CAPS = 833 FORGE TONS/MONTH
= 466 M THERMS/MONTH

YEAR	MONTH	ELECTRIC FURNACE FORGE TONS	TONS CO	NATURAL GAS 1000'S THERMS	TONS CO	DISTILLED OIL GALLONS USED	TONS CO	TOTAL TONS CO	12 MONTH RUNNING TOTAL
1994	JANUARY	215	1.94	358	0.61	0	0	2.54	
	FEBRUARY	420	3.78	329	0.56	0	0	4.34	
	MARCH	538	4.84	357	0.61	0	0	5.45	
	APRIL	474	4.27	362	0.62	0	0	4.88	
	MAY	571	5.14	372	0.63	0	0	5.77	
	JUNE	432	3.89	301	0.51	0	0	4.40	
	JULY	395	3.56	261	0.44	0	0	4.00	
	AUGUST	367	3.30	201	0.34	0	0	3.64	
	SEPTEMBER	438	3.94	170	0.29	0	0	4.23	
	OCTOBER	577	5.19	313	0.53	0	0	5.73	
	NOVEMBER	588	5.29	361	0.61	0	0	5.91	
	DECEMBER	275	2.48	283	0.48	0	0	2.96	53.85
1995	JANUARY	433	3.90	315	0.54	0	0	4.43	55.73
	FEBRUARY	806	7.25	356	0.61	0	0	7.86	59.25
	MARCH	538	4.84	409	0.70	0	0	5.54	59.34
	APRIL	565	5.09	401	0.68	0	0	5.77	60.23
	MAY	514	4.63	372	0.63	0	0	5.26	59.72
	JUNE	488	4.39	330	0.56	0	0	4.95	60.27
	JULY	781	7.03	378	0.64	0	0	7.67	63.94
	AUGUST	840	7.56	435	0.74	0	0	8.30	68.60
	SEPTEMBER	654	5.89	421	0.72	0	0	6.60	70.97
	OCTOBER	300	2.70	343	0.58	0	0	3.28	68.52
	NOVEMBER	486	4.37	291	0.49	0	0	4.87	67.49
	DECEMBER	547	4.92	441	0.75	2945	0.01001	5.68	70.21
1996	JANUARY	557	5.01	413	0.70	0	0	5.72	71.50
	FEBRUARY	663	5.97	403	0.69	0	0	6.65	70.29
	MARCH	901	8.11	507	0.86	0	0	8.97	73.72
	APRIL	739	6.65	476	0.81	0	0	7.46	75.42
	MAY	787	7.08	463	0.79	0	0	7.87	78.03

	JUNE	816	7.34	435	0.74	0	0	8.08	81.16
	JULY	640	5.76	393	0.67	0	0	6.43	79.92
	AUGUST	737	6.63	425	0.72	0	0	7.36	78.97
	SEPTEMBER	630	5.67	411	0.70	0	0	6.37	78.74
	OCTOBER	964	8.68	409	0.70	0	0	9.37	84.83
	NOVEMBER	485	4.37	484	0.82	0	0	5.19	85.15
	DECEMBER	698	6.28	438	0.74	0	0	7.03	86.49
1997	JANUARY	607	5.46	512	0.87	0	0	6.33	87.11
	FEBRUARY	546	4.91	496	0.84	0	0	5.76	86.21
	MARCH	706	6.35	513	0.87	0	0	7.23	84.47
	APRIL	833	7.50	514	0.87	0	0	8.37	85.38
	MAY	678	6.10	338	0.57	0	0	6.68	84.19
	JUNE	430	3.87	440	0.75	0	0	4.62	80.72
	JULY	490	4.41	336	0.57	0	0	4.98	79.27
	AUGUST	649	5.84	500	0.85	0	0	6.69	78.61
	SEPTEMBER	697	6.27	493	0.84	0	0	7.11	79.35
	OCTOBER	654	5.89	588	1.00	0	0	6.89	76.87
	NOVEMBER	711	6.40	538	0.91	0	0	7.31	78.99
	DECEMBER	591	5.32	445	0.76	0	0	6.08	78.04
1998	JANUARY	810	7.29	477	0.81	0	0	8.10	79.81
	FEBRUARY	648	5.83	574	0.98	0	0	6.81	80.86
	MARCH	584	5.26	492	0.84	0	0	6.09	79.72
	APRIL	430	3.87	435	0.74	0	0	4.61	75.96
	MAY	586	5.27	403	0.69	0	0	5.96	75.25
	JUNE	461	4.15	447	0.76	0	0	4.91	75.54
	JULY	164	1.48	345	0.59	0	0	2.06	72.62
	AUGUST	492	4.43	376	0.64	0	0	5.07	70.99
	SEPTEMBER	408	3.67	330	0.56	0	0	4.23	68.12
	OCTOBER	505	4.55	363	0.62	0	0	5.16	66.39
	NOVEMBER	415	3.74	341	0.58	0	0	4.31	63.39
	DECEMBER	252	2.27	299	0.51	0	0	2.78	60.09
1999	JANUARY	564	5.08	463	0.79	0	0	5.86	57.86
	FEBRUARY	347	3.12	273	0.46	0	0	3.59	54.64
	MARCH	256	2.30	333	0.57	0	0	2.87	51.41
	APRIL	298	2.68	315	0.54	0	0	3.22	50.02
	MAY	121	1.09	322	0.55	0	0	1.64	45.70
	JUNE	176	1.58	222	0.38	0	0	1.96	42.75
	JULY	264	2.38	290	0.49	0	0	2.87	43.56

AUGUST	491	4.42	289	0.49	0	0	4.91	43.40
SEPTEMBER		0.00						
OCTOBER		0.00						
NOVEMBER		0.00						
DECEMBER		0.00						

From: Jay.Willenberg@CH2M.com
To: Altier, Ron
Sent: 2007, 01.13 Sat, 05:30:58
Subject: PSCAA Calculations

Attachments:
PSAPCA NOx & CO Revised 07-01-12.xls

Ron

Attached is an even easier version of the calculations. All you have to do is enter the production rates once on the sheet call Production. It will do the rest.

Can we talk about you TRI and other reports on Tuesday?

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

From: Jay.Willenberg@CH2M.com
To: Altier, Ron
Sent: 2008, 05.13 Tue, 19:13:07
Subject: PSCAA Report

Attachments:
PSAPCA NOx & CO Revised 07-01-12.xls

Ron

I have two PSCAA report forms. I think that this is the one you want to demonstrate that you are below the limit. Just fill in the tons produced and the therms uses for each month. If you want a more detail report saying how much PM, SO2 and other stuff please let me know, I have that one too but it is more complex. If PSCAA sent you a form to fill out, please fax or email me the form and we will fill it out.

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955
Fax 425 468 3100

From: Jay.Willenberg@CH2M.com
To: Altier, Ron
Sent: 2006, 10.03 Tue, 19:09:06
Subject: RE: Current Carbon Monoxide spreadsheet for Jorgensen Forge - Please revise

Attachments:
PSAPCA NOx & CO based on 1500 tons 678000 therms (2).xls

Ron

I have updated both spreadsheets to include both the new factor and the boiler usage. As you can see the boiler doesn't add anything. I also updated the calculations through July. Even at 1500 ton per month and 678K Therms NOx you would be about 52 tons/yr and CO 36 tons/yr. This should give you enough room to expand.

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

From: Altier, Ron [mailto:RAltier@JorgensenForge.com]
Sent: Monday, October 02, 2006 4:40 PM
To: Willenberg, Jay/SEA
Subject: Current Carbon Monoxide spreadsheet for Jorgensen Forge - Please revise

Jay:

Attached, please find our current to date spreadsheet for carbon monoxide. Could you please plug in the new emission factors for carbon monoxide for natural gas (therms) and melt furnace tons produced as we discussed, and return. I'll be back to you tomorrow morning with info on the melt shop boiler usage

Thanks

Ron

From: Jay.Willenberg@CH2M.com
To: Altier, Ron
CC: Rattananongsy, Anourak
Sent: 2007, 05.24 Thu, 23:39:31
Subject: RE: Jorgensen forge clean air Report for 2006 Activity

Attachments:

I think what we reported for both was

	LBS	TONS
CARBON MONOXIDE		
ELECTRIC FURNACE	30,587	
NATURAL GAS	16,228	
DISTILLATE OIL	-	
TOTAL (CO)	46,815	**23.41**

I think that he did not look at all the points in the Clean Air report. There is one for the Arc Furnaces and one for natural gas combustion. If you add the two together you get 23.4 tons. My understanding is that the almost all the natural gas is burned in the reheat furnaces and has little or nothing to do with the Arc Furnaces so we kept them separate.

Point	Segment	Description	SCC_Code	ProcessQuantity2006
1	1	Direct Arc Electric Arc Furnace	3-03-009-04	10511
2	1	Boiler Natural Gas Combustion	1-02-006-02	6389

There is a slight difference in the two because of the small amount of emissions from the boilers, 0.07 tons. In the Synthetic Minor report we count the boiler emission twice, once as natural gas and once as boiler emissions, that is how Alan wanted it.

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

From: Altier, Ron [mailto:RAltier@JorgensenForge.com]
Sent: Thursday, May 24, 2007 1:09 PM
To: Willenberg, Jay/SEA
Cc: Rattananongsy, Anourak
Subject: Jorgensen forge clean air Report for 2006 Activity

Jay:

Regarding Steve Frye's question concerning the Clean Air report for 2006. We reported 30,587 pounds for Carbon Monoxide on the report but he says on the monthly Synthetic Minor spread sheet log for the end of the year, 2006, we show 23.48 tons (46,960 lbs) Carbon Monoxide. Is he correct? Do we need to revise our calculations spreadsheet to match the log?

Thanks

From: Jay.Willenberg@CH2M.com
To: Altier, Ron
Sent: 2008, 05.29 Thu, 22:25:11
Subject: RE: Jorgensen forge Emissions Report to Puget sound Clean Air for the 2007 Operating Year

Attachments:
Jorgensen Forge 2008 emissions Report for 2007.xls
2007 Emission report Calculations.xls

Ron

Attached is your emission report for 2007. I also attached the back up data.

Please contact me if you have any questions.

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

From: Altier, Ron [mailto:RAltier@JorgensenForge.com]
Sent: Wednesday, May 14, 2008 5:26 PM
To: Willenberg, Jay/SEA
Subject: Jorgensen forge Emissions Report to Puget sound Clean Air for the 2007 Operating Year

Jay:

Attached are the various documents for completing the 2008 emissions report for 2007 production year:

1. Our internal NOx and CO spread sheets that you created for us with 2007 data entered.
2. The 2008 emissions report for 2007 as received form Puget sound clean air Agency
3. The 2008 emissions report for 2007 email cover letter from Puget sound clean air agency
4. An old emissions calculation spread sheet from 2004. I don't know if we can still use this spread sheet or if he needs adjustment for the factors in our internal spread sheet and in our operating permit?

Appreciate if you could fill out the report and explain to me what you used for your calculation spread sheet.

Thanks for your help,
]
Ron

From: Jay.Willenberg@CH2M.com
To: Altier, Ron
Sent: 2007, 06.14 Thu, 17:33:43
Subject: RE: Jorgensen Forge TRI Report

Attachments:
2006 TRI Reportable Quantities for Slag and KO61 jmw.xls
2006 Emission report Calculations - Rev jmw.xls

Ron

I updated the table to include air emissions. I looked at two types of air emissions; particulate from the baghouse and emissions as a result of combustion.

1. To calculate particulate from the baghouse, I used 3,153 pounds per year that we reported to PSCAA from emissions from the EAF and multiplied by the fraction of each pollutant in the baghouse house dust. The assumption is that the baghouse dust and the particulate emitted have the same chemical makeup.
2. To calculate the emissions from burning natural gas, I used 614 MMCF from the PSCAA report and the current EPA Fire emission factors.

The air emissions really don't add much to the total but I think that you need to report them for the reportable pollutants.

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

From: Altier, Ron [mailto:RAltier@JorgensenForge.com]
Sent: Wednesday, June 13, 2007 11:08 AM
To: Willenberg, Jay/SEA
Cc: Rattananongsy, Anourak; Gruver, Dick
Subject: Jorgensen Forge TRI Report

Jay:

Attached is a follow up to my email and voice mail from Monday. Attached is a spreadsheet that converts the Lauk's test labs Mg/Kg values to percentages and figures the shows pounds of each chemical that was generated from AOD slag, EAF slag, and KO61 baghouse dust. I still need to establish what the reportable level is and get your numbers on what we what should report for the air emissions.

Thanks,

Ron

From: Jay.Willenberg@CH2M.com
To: Altier, Ron
Sent: 2007, 05.04 Fri, 16:57:22
Subject: RE: Puget sound Clean air Report for 2006

Attachments:
13460 Jorgensen Forge Corp Emissions Report for 2006 jmw.xls
2006 Emission report Calculations - Rev jmw.xls

Ron

Attached are the updated PSCAA emission report for 2006 and a revised emission calculation spreadsheet. How about if I call you between 1:00 and 2:00 to discuss these and your TRI reporting?

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

From: Altier, Ron [mailto:RAltier@JorgensenForge.com]
Sent: Wednesday, May 02, 2007 11:52 AM
To: Willenberg, Jay/SEA
Subject: Puget sound Clean air Report for 2006

Hi Jay:

This is a follow-up to a voice mail I left a few minutes ago. Hope you are doing well and enjoying the improving weather.

Attached please find:

> The Puget Sound Clean Air emissions report for 2006 (I have put the total forge tons and therms for the year on the segments page)
>
> The 2006 Synthetic Minor spread sheet of monthly forge tons produced and natural gas therms consumed (that you created for us) which totals out at for the year at 10,511 forge tons of steel produced and 6,389,000 therms consumed.
>
> A spread sheet that I have used for a number of years to determine the factors that have to be reported in the Puget sound Clean Air emissions report I beoieve this spread sheet needs to be revised to correctly reflect our new emission factors

I would appreciate if you could 1) update the calculation spread sheet so that I can use it for future annual reports, and 2) fill out the segment emissions page of the annual report, and return both to me.

Thanks for the help! Also would like to make an appointment for a fairly long session to review the methodology we are using to complete the TRI report for EPA.

Best Regards,

Ron

From: Jay.Willenberg@CH2M.com [mailto:Jay.Willenberg@CH2M.com]
Sent: Tuesday, January 30, 2007 3:37 PM
To: Altier, Ron
Subject: Reports

Ron

CH2M HILL is pleased to submit a proposed change to our existing contract to cover the environmental reports that we talked about when you were in our office. Please contact me if you have any questions about the proposal.

If you find the proposal acceptable, please fax me a signed copy.

Thank you for the opportunity.

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

From: Altier, Ron [mailto:RAltier@JorgensenForge.com]
Sent: Wednesday, January 17, 2007 8:14 AM
To: Willenberg, Jay/SEA
Subject: RE: PSCAA Calculations

Jay:

I will be at your office at 10:00 AM, this morning (Wednesday)

Thank you,

Ron

From: Jay.Willenberg@CH2M.com [mailto:Jay.Willenberg@CH2M.com]
Sent: Tuesday, January 16, 2007 1:11 PM
To: Altier, Ron
Cc: liz.luecker@ch2m.com
Subject: RE: PSCAA Calculations

Ron

Liz and I could meet with you anytime between 9 and 11:30 on Wednesday here in our Bellevue office to talk about environmental reports.

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

From: Altier, Ron [mailto:RAltier@JorgensenForge.com]
Sent: Monday, January 15, 2007 7:14 AM
To: Willenberg, Jay/SEA
Subject: RE: PSCAA Calculations

Thanks Jay

Tuesday will be fine. I think we should get together for this at either your place or mine

Tuesday will be fine. I think we should get together for this at either your place or mine

Ron

From: Jay.Willenberg@CH2M.com [mailto:Jay.Willenberg@CH2M.com]
Sent: Friday, January 12, 2007 8:31 PM
To: Altier, Ron
Subject: PSCAA Calculations

Ron

Attached is an even easier version of the calculations. All you have to do is enter the production rates once on the sheet call Production. It will do the rest.

Can we talk about you TRI and other reports on Tuesday?

Jay Willenberg
CH2M HILL
jwillenb@ch2m.com <mailto:jwillenb@ch2m.com>
Phone 425 233 3532
Cell 425 922 5955

PUBLIC NOTICE

PUGET SOUND CLEAN AIR AGENCY

Proposed General Regulatory Order No. 9435

Limiting Air Pollutant Emissions from

Jorgensen Forge Corporation

8531 E Marginal Way S
Seattle, WA 98108

We are giving public notice that Jorgensen Forge Corporation has filed an application with the Puget Sound Clean Air Agency (the Agency) to voluntarily limit facility-wide air emissions from the specialty steel forging facility located at 8531 East Marginal Way South, Seattle, Washington, pursuant to WAC 173-400-091, and WAC 173-400-171. Jorgensen Forge Corporation has proposed limiting potential emissions of the regulated pollutants to carbon monoxide (CO) and oxides of nitrogen (NO_X) to less than the major source value of 100 tons per year.

The proposed Order would provide Jorgensen Forge Corporation with federally enforceable emission limits. The proposed Order would require Jorgensen Forge Corporation to monitor various operations and to calculate emissions of regulated pollutants on a monthly basis, using specified methods, and to report to the Agency whenever emissions approach any major source value for the previous 12-month period. This proposed action will not preclude Jorgensen Forge Corporation from installing new, or modifying existing, air pollution generating equipment in the future provided that Jorgensen Forge Corporation obtains appropriate air pollution permits for new or modified equipment as specified in Puget Sound Clean Air Agency and Federal regulations.

PRELIMINARY DETERMINATION

The Agency has completed a review of application No. 9435 and has made a preliminary determination that the proposal meets all the requirements of Regulations I, II and III, and WAC 173-400-091 and should be approved. The Agency, as the lead agency for this proposal, has also made a preliminary determination that the proposal would not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21.030(2)(c). This decision was made after review of a completed Environmental Checklist and other information on file at the Agency. This information is available to the public upon request. The determination of nonsignificance (DNS) for this proposal is issued in accordance with WAC 197-11-340(2); Puget Sound Clean Air Agency will not act on this proposal before November 16, 2006.

PUBLIC COMMENT

The application and the information considered in making this preliminary determination are on file and available for inspection at Puget Sound Clean Air Agency office located at 110 Union Street, Suite 500, Seattle, Washington, telephone (206) 689-4011. The proposed Order No. 9435 is also available at the Puget Sound Clean Air Agency website www.pscleanair.org. Written comments with respect to proposed Order No. 9435 must be mailed to Alan T. Butler, Engineer, at Puget Sound Clean Air Agency, 110 Union Street, Suite 500, Seattle, Washington 98101, faxed to Alan T. Butler at (206) 343-7522, or e-mailed to AlanB@pscleanair.org within 30 days of the publication date of this notice.

The Puget Sound Clean Air Agency will consider all comments received after the public comment period has ended. If necessary, the Order will be revised. If the Agency determines that there is significant public interest, a public hearing will be held. Upon conclusion of the public involvement process the Agency will make a final decision on the Order.

Title 40: Protection of Environment
PART 63—NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES

Browse Previous | Browse Next

Subpart YYYYY—National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities

Source: 72 FR 74111, Dec. 28, 2007, unless otherwise noted.

Applicability and Compliance Dates

§ 63.10680 Am I subject to this subpart?

Summary

Jorgensen operates an EAF and is an area source; therefore you are subject to the rule and must get a Title V permit.

Rule Text

(a) You are subject to this subpart if you own or operate an electric arc furnace (EAF) steelmaking facility that is an area source of hazardous air pollutant (HAP) emissions.

(b) This subpart applies to each new or existing affected source. The affected source is each EAF steelmaking facility.

(1) An affected source is existing if you commenced construction or reconstruction of the affected source on or before September 20, 2007.

(2) An affected source is new if you commenced construction or reconstruction of the affected source after September 20, 2007.

(c) This subpart does not apply to research and development facilities, as defined in section 112(c)(7) of the Clean Air Act (CAA).

(d) If you own or operate an area source subject to this subpart, you must have or obtain a permit under 40 CFR part 70 or 40 CFR part 71.

§ 63.10681 What are my compliance dates?

Summary

You should have been in compliance on June 30, 2008.

Rule Text

(a) Except as provided in paragraph (b) of this section, if you own or operate an existing affected source, you must achieve compliance with the applicable provisions of this subpart by no later than June 30, 2008.

(b) If you own or operate an existing affected source, you must achieve compliance with opacity limit in §63.10686(b)(2) or (c)(2) by no later than December 28, 2010 if you demonstrate to the satisfaction of the permitting authority that additional time is needed to install or modify emission control equipment.

(c) If you start up a new affected source on or before December 28, 2007, you must achieve compliance with the applicable provisions of this subpart by no later than December 28, 2007.

(d) If you start up a new affected source after December 28, 2007, you must achieve compliance with the applicable provisions of this subpart upon startup of your affected source.

Standards and Compliance Requirements

§ 63.10685 What are the requirements for the control of contaminants from scrap?

Summary

Jorgensen must develop and implement a pollution prevention plan for scrap metal feed to the EAF that PSCAA has approved. The plan must address chlorinated plastics, lead, oil, and mercury switches in auto-bodies.

Rule Text

(a) *Chlorinated plastics, lead, and free organic liquids* . For metallic scrap utilized in the EAF at your facility, you must comply with the requirements in either paragraph (a)(1) or (2) of this section. You may have certain scrap at your facility subject to paragraph (a)(1) of this section and other scrap subject to paragraph (a)(2) of this section provided the scrap remains segregated until charge make-up.

(1) *Pollution prevention plan* . For the production of steel other than leaded steel, you must prepare and implement a pollution prevention plan for metallic scrap selection and inspection to minimize the amount of chlorinated plastics, lead, and free organic liquids that is charged to the furnace. For the production of leaded steel, you must prepare and implement a pollution prevention plan for scrap selection and inspection to minimize the amount of chlorinated plastics and free organic liquids in the scrap that is charged to the furnace. You must submit the scrap pollution prevention plan to the permitting authority for approval. You must operate according to the plan as submitted during the review and approval process, operate according to the approved plan at all times after approval, and address any deficiency identified by the permitting authority within 60 days following disapproval of a plan. You may request approval to revise the plan and may operate according to the revised plan unless and until the revision is disapproved by the permitting authority. You must keep a copy of the plan onsite, and you must provide training on the plan's requirements to all plant personnel with materials acquisition or inspection duties. Each plan must include the information in paragraphs (a)(1)(i) through (iii) of this section:

(i) Specifications that scrap materials must be depleted (to the extent practicable) of

undrained used oil filters, chlorinated plastics, and free organic liquids at the time of charging to the furnace.

(ii) A requirement in your scrap specifications for removal (to the extent practicable) of lead-containing components (such as batteries, battery cables, and wheel weights) from the scrap, except for scrap used to produce leaded steel.

(iii) Procedures for determining if the requirements and specifications in paragraph (a)(1) of this section are met (such as visual inspection or periodic audits of scrap providers) and procedures for taking corrective actions with vendors whose shipments are not within specifications.

(iv) The requirements of paragraph (a)(1) of this section do not apply to the routine recycling of baghouse bags or other internal process or maintenance materials in the furnace. These exempted materials must be identified in the pollution prevention plan.

(2) *Restricted metallic scrap* . For the production of steel other than leaded steel, you must not charge to a furnace metallic scrap that contains scrap from motor vehicle bodies, engine blocks, oil filters, oily turnings, machine shop borings, transformers or capacitors containing polychlorinated biphenyls, lead-containing components, chlorinated plastics, or free organic liquids. For the production of leaded steel, you must not charge to the furnace metallic scrap that contains scrap from motor vehicle bodies, engine blocks, oil filters, oily turnings, machine shop borings, transformers or capacitors containing polychlorinated biphenyls, chlorinated plastics, or free organic liquids. This restriction does not apply to any post-consumer engine blocks, post-consumer oil filters, or oily turnings that are processed or cleaned to the extent practicable such that the materials do not include lead components, chlorinated plastics, or free organic liquids. This restriction does not apply to motor vehicle scrap that is charged to recover the chromium or nickel content if you meet the requirements in paragraph (b)(3) of this section.

(b) *Mercury requirements* . For scrap containing motor vehicle scrap, you must procure the scrap pursuant to one of the compliance options in paragraphs (b)(1), (2), or (3) of this section for each scrap provider, contract, or shipment. For scrap that does not contain motor vehicle scrap, you must procure the scrap pursuant to the requirements in paragraph (b)(4) of this section for each scrap provider, contract, or shipment. You may have one scrap provider, contract, or shipment subject to one compliance provision and others subject to another compliance provision.

(1) *Site-specific plan for mercury switches* . You must comply with the requirements in paragraphs (b)(1)(i) through (v) of this section.

(i) You must include a requirement in your scrap specifications for removal of mercury switches from vehicle bodies used to make the scrap.

(ii) You must prepare and operate according to a plan demonstrating how your facility will implement the scrap specification in paragraph (b)(1)(i) of this section for removal of mercury switches. You must submit the plan to the permitting authority for approval. You must operate according to this plan as submitted during the review and approval process, operate according to the approved plan at all times after approval, and address any deficiency identified by the permitting authority within 60 days following disapproval of a plan. You may request approval to revise the plan and may operate according to the revised plan unless and until the revision is disapproved by the permitting authority. The permitting authority may change the approval status of the plan upon 90-days written notice based upon the

semiannual compliance report or other information. The plan must include:

(A) A means of communicating to scrap purchasers and scrap providers the need to obtain or provide motor vehicle scrap from which mercury switches have been removed and the need to ensure the proper management of the mercury switches removed from that scrap as required under the rules implementing subtitle C of the Resource Conservation and Recovery Act (RCRA) (40 CFR parts 261 through 265 and 268). The plan must include documentation of direction to appropriate staff to communicate to suppliers throughout the scrap supply chain the need to promote the removal of mercury switches from end-of-life vehicles. Upon the request of the permitting authority, you must provide examples of materials that are used for outreach to suppliers, such as letters, contract language, policies for purchasing agents, and scrap inspection protocols;

(B) Provisions for obtaining assurance from scrap providers that motor vehicle scrap provided to the facility meet the scrap specification;

(C) Provisions for periodic inspections or other means of corroboration to ensure that scrap providers and dismantlers are implementing appropriate steps to minimize the presence of mercury switches in motor vehicle scrap and that the mercury switches removed are being properly managed, including the minimum frequency such means of corroboration will be implemented; and

(D) Provisions for taking corrective actions (i.e., actions resulting in scrap providers removing a higher percentage of mercury switches or other mercury-containing components) if needed, based on the results of procedures implemented in paragraph (b)(1)(ii)(C) of this section).

(iii) You must require each motor vehicle scrap provider to provide an estimate of the number of mercury switches removed from motor vehicle scrap sent to your facility during the previous year and the basis for the estimate. The permitting authority may request documentation or additional information at any time.

(iv) You must establish a goal for each scrap provider to remove at least 80 percent of the mercury switches. Although a site-specific plan approved under paragraph (b)(1) of this section may require only the removal of convenience light switch mechanisms, the permitting authority will credit all documented and verifiable mercury-containing components removed from motor vehicle scrap (such as sensors in anti-locking brake systems, security systems, active ride control, and other applications) when evaluating progress towards the 80 percent goal.

(v) For each scrap provider, you must submit semiannual progress reports to the permitting authority that provide the number of mercury switches removed or the weight of mercury recovered from the switches, the estimated number of vehicles processed, an estimate of the percent of mercury switches removed, and certification that the removed mercury switches were recycled at RCRA-permitted facilities or otherwise properly managed pursuant to RCRA subtitle C regulations referenced in paragraph (b)(1)(ii)(A) of this section. This information can be submitted in aggregated form and does not have to be submitted for each scrap provider, contract, or shipment. The permitting authority may change the approval status of a site-specific plan following 90-days notice based on the progress reports or other information.

(2) *Option for approved mercury programs.* You must certify in your notification of compliance status that you participate in and purchase motor vehicle scrap only from scrap providers who participate in a program for removal of mercury switches that has been approved by the Administrator based on the criteria in paragraphs (b)(2)(i) through (iii) of this section. If you

purchase motor vehicle scrap from a broker, you must certify that all scrap received from that broker was obtained from other scrap providers who participate in a program for the removal of mercury switches that has been approved by the Administrator based on the criteria in paragraphs (b)(2)(i) through (iii) of this section. The National Vehicle Mercury Switch Recovery Program and the Vehicle Switch Recovery Program mandated by Maine State law are EPA-approved programs under paragraph (b)(2) of this section unless and until the Administrator disapproves the program (in part or in whole) under paragraph (b)(2)(iii) of this section.

(i) The program includes outreach that informs the dismantlers of the need for removal of mercury switches and provides training and guidance for removing mercury switches;

(ii) The program has a goal to remove at least 80 percent of mercury switches from the motor vehicle scrap the scrap provider processes. Although a program approved under paragraph (b)(2) of this section may require only the removal of convenience light switch mechanisms, the Administrator will credit all documented and verifiable mercury-containing components removed from motor vehicle scrap (such as sensors in anti-locking brake systems, security systems, active ride control, and other applications) when evaluating progress towards the 80 percent goal; and

(iii) The program sponsor agrees to submit progress reports to the Administrator no less frequently than once every year that provide the number of mercury switches removed or the weight of mercury recovered from the switches, the estimated number of vehicles processed, an estimate of the percent of mercury switches recovered, and certification that the recovered mercury switches were recycled at facilities with permits as required under the rules implementing subtitle C of RCRA (40 CFR parts 261 through 265 and 268). The progress reports must be based on a database that includes data for each program participant; however, data may be aggregated at the State level for progress reports that will be publicly available. The Administrator may change the approval status of a program or portion of a program (e.g., at the State level) following 90-days notice based on the progress reports or on other information.

(iv) You must develop and maintain onsite a plan demonstrating the manner through which your facility is participating in the EPA-approved program.

(A) The plan must include facility-specific implementation elements, corporate-wide policies, and/or efforts coordinated by a trade association as appropriate for each facility.

(B) You must provide in the plan documentation of direction to appropriate staff to communicate to suppliers throughout the scrap supply chain the need to promote the removal of mercury switches from end-of-life vehicles. Upon the request of the permitting authority, you must provide examples of materials that are used for outreach to suppliers, such as letters, contract language, policies for purchasing agents, and scrap inspection protocols.

(C) You must conduct periodic inspections or provide other means of corroboration to ensure that scrap providers are aware of the need for and are implementing appropriate steps to minimize the presence of mercury in scrap from end-of-life vehicles.

(3) *Option for specialty metal scrap.* You must certify in your notification of compliance status that the only materials from motor vehicles in the scrap are materials recovered for their specialty alloy (including, but not limited to, chromium, nickel, molybdenum, or other alloys) content (such as certain exhaust systems) and, based on the nature of the scrap and purchase specifications, that the type of scrap is not reasonably expected to contain mercury

switches.

(4) *Scrap that does not contain motor vehicle scrap.* For scrap not subject to the requirements in paragraphs (b)(1) through (3) of this section, you must certify in your notification of compliance status and maintain records of documentation that this scrap does not contain motor vehicle scrap.

(c) *Recordkeeping and reporting requirements.* In addition to the records required by §63.10, you must keep records to demonstrate compliance with the requirements for your pollution prevention plan in paragraph (a)(1) of this section and/or for the use of only restricted scrap in paragraph (a)(2) of this section and for mercury in paragraphs (b)(1) through (3) of this section as applicable. You must keep records documenting compliance with paragraph (b)(4) of this section for scrap that does not contain motor vehicle scrap.

(1) If you are subject to the requirements for a site-specific plan for mercury under paragraph (b)(1) of this section, you must:

(i) Maintain records of the number of mercury switches removed or the weight of mercury recovered from the switches and properly managed, the estimated number of vehicles processed, and an estimate of the percent of mercury switches recovered; and

(ii) Submit semiannual reports of the number of mercury switches removed or the weight of mercury recovered from the switches and properly managed, the estimated number of vehicles processed, an estimate of the percent of mercury switches recovered, and a certification that the recovered mercury switches were recycled at RCRA-permitted facilities. The semiannual reports must include a certification that you have conducted inspections or taken other means of corroboration as required under paragraph (b)(1)(ii)(C) of this section. You may include this information in the semiannual compliance reports required under paragraph (c)(3) of this section.

(2) If you are subject to the option for approved mercury programs under paragraph (b)(2) of this section, you must maintain records identifying each scrap provider and documenting the scrap provider's participation in an approved mercury switch removal program. If you purchase motor vehicle scrap from a broker, you must maintain records identifying each broker and documentation that all scrap provided by the broker was obtained from other scrap providers who participate in an approved mercury switch removal program.

(3) You must submit semiannual compliance reports to the Administrator for the control of contaminants from scrap according to the requirements in §63.10(e). The report must clearly identify any deviation from the requirements in paragraphs (a) and (b) of this section and the corrective action taken. You must identify which compliance option in paragraph (b) of this section applies to each scrap provider, contract, or shipment.

§ 63.10686 What are the requirements for electric arc furnaces and argon-oxygen decarburization vessels?

Summary

You need a baghouse on the EAF's and the argon-oxygen decarburization (AOD) vessel. The particulate can't exceed 0.0052 gr/dscf or 0.8 pounds or

ton and the opacity from the baghouse can't exceed 6%.

Jorgensen must have a baghouse monitoring plan and report deviations to PSCAA semiannually.

Rule Text

Link to an amendment published at 73 FR 72731, Dec. 1, 2008.

(a) You must install, operate, and maintain a capture system that collects the emissions from each EAF (including charging, melting, and tapping operations) and argon-oxygen decarburization (AOD) vessel and conveys the collected emissions to a control device for the removal of particulate matter (PM).

(b) Except as provided in paragraph (c) of this section, you must not discharge or cause the discharge into the atmosphere from an EAF or AOD vessel any gases which:

(1) Exit from a control device and contain in excess of 0.0052 grains of PM per dry standard cubic foot (gr/dscf); and

(2) Exit from a melt shop and, due solely to the operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.

(c) If you own or operate a new or existing affected source that has a production capacity of less than 150,000 tons per year (tpy) of stainless or specialty steel (as determined by the maximum production if specified in the source's operating permit or EAF capacity and maximum number of operating hours per year), you must not discharge or cause the discharge into the atmosphere from an EAF or AOD vessel any gases which:

(1) Exit from a control device and contain particulate matter (PM) in excess of 0.8 pounds per ton (lb/ton) of steel. Alternatively, the owner or operator may elect to comply with a PM limit of 0.0052 grains per dry standard cubic foot (gr/dscf); and

(2) Exit from a melt shop and, due solely to the operations of any affected EAF(s) or AOD vessel(s), exhibit 6 percent opacity or greater.

(d) Except as provided in paragraph (d)(6) of this section, you must conduct performance tests to demonstrate initial compliance with the applicable emissions limit for each emissions source subject to an emissions limit in paragraph (b) or (c) of this section.

(1) You must conduct each PM performance test for an EAF or AOD vessel according to the procedures in §63.7 and 40 CFR 60.275a using the following test methods in 40 CFR part 60, appendices A–1, A–2, A–3, and A–4:

(i) Method 1 or 1A of appendix A–1 of 40 CFR part 60 to select sampling port locations and the number of traverse points in each stack or duct. Sampling sites must be located at the outlet of the control device (or at the outlet of the emissions source if no control device is present) prior to any releases to the atmosphere.

(ii) Method 2, 2A, 2C, 2D, 2F, or 2G of appendix A–1 of 40 CFR part 60 to determine the volumetric flow rate of the stack gas.

(iii) Method 3, 3A, or 3B of appendix A–3 of 40 CFR part 60 to determine the dry molecular weight of the stack gas. You may use ANSI/ASME PTC 19.10–1981, “Flue and Exhaust Gas Analyses” (incorporated by reference—see §63.14) as an alternative to EPA Method 3B.

(iv) Method 4 of appendix A–3 of 40 CFR part 60 to determine the moisture content of the stack gas.

(v) Method 5 or 5D of appendix A–3 of 40 CFR part 60 to determine the PM concentration. Three valid test runs are needed to comprise a PM performance test. For EAF, sample only when metal is being melted and refined. For AOD vessels, sample only when the operation(s) are being conducted.

(2) You must conduct each opacity test for a melt shop according to the procedures in §63.6(h) and Method 9 of appendix A–4 of 40 CFR part 60. When emissions from any EAF or AOD vessel are combined with emissions from emission sources not subject to this subpart, you must demonstrate compliance with the melt shop opacity limit based on emissions from only the emission sources subject to this subpart.

(3) During any performance test, you must monitor and record the information specified in 40 CFR 60.274a(h) for all heats covered by the test.

(4) You must notify and receive approval from the Administrator for procedures that will be used to determine compliance for an EAF or AOD vessel when emissions are combined with those from facilities not subject to this subpart.

(5) To determine compliance with the PM emissions limit in paragraph (c) of this section for an EAF or AOD vessel in a lb/ton of steel format, compute the process-weighted mass emissions (E_p) for each test run using Equation 1 of this section:

$$E_p = \frac{C \times Q \times T}{P \times K} \qquad (Eq\ 1)$$

Where:

E_p= Process-weighted mass emissions of PM, lb/ton;

C = Concentration of PM or total metal HAP, gr/dscf;

Q = Volumetric flow rate of stack gas, dscf/hr;

T = Total time during a test run that a sample is withdrawn from the stack during steel production cycle, hr;

P = Total amount of metal produced during the test run, tons; and

K = Conversion factor, 7,000 grains per pound.

(6) If you own or operate an existing affected source that is subject to the emissions limits in

paragraph (b) or (c) of this section, you may certify initial compliance with the applicable emission limit for one or more emissions sources based on the results of a previous performance test for that emissions source in lieu of the requirement for an initial performance test provided that the test(s) were conducted within 5 years of the compliance date using the methods and procedures specified in paragraph (d)(1) or (2) of this section; the test(s) were for the affected facility; and the test(s) were representative of current or anticipated operating processes and conditions. Should the permitting authority deem the prior test data unacceptable to demonstrate compliance with an applicable emissions limit, the owner or operator must conduct an initial performance test within 180 days of the compliance date or within 90 days of receipt of the notification of disapproval of the prior test, whichever is later.

(e) You must monitor the capture system and PM control device required by this subpart, maintain records, and submit reports according to the compliance assurance monitoring requirements in 40 CFR part 64. The exemption in 40 CFR 64.2(b)(1)(i) for emissions limitations or standards proposed after November 15, 1990 under section 111 or 112 of the CAA does not apply. In lieu of the deadlines for submittal in 40 CFR 64.5, you must submit the monitoring information required by 40 CFR 64.4 to the applicable permitting authority for approval by no later than the compliance date for your affected source for this subpart and operate according to the approved plan by no later than 180 days after the date of approval by the permitting authority.

Other Information and Requirements

§ 63.10690 What parts of the General Provisions apply to this subpart?

(a) You must comply with the requirements of the NESHAP General Provisions (40 CFR part 63, subpart A) as provided in Table 1 of this subpart.

(b) The notification of compliance status required by §63.9(h) must include each applicable certification of compliance, signed by a responsible official, in paragraphs (b)(1) through (6) of this section.

(1) For the pollution prevention plan requirements in §63.10685(a)(1): “This facility has submitted a pollution prevention plan for metallic scrap selection and inspection in accordance with §63.10685(a)(1)”;

(2) For the restrictions on metallic scrap in §63.10685(a)(2): “This facility complies with the requirements for restricted metallic scrap in accordance with §63.10685(a)(2)”;

(3) For the mercury requirements in §63.10685(b):

(i) “This facility has prepared a site-specific plan for mercury switches in accordance with §63.10685(b)(1)”;

(ii) “This facility participates in and purchases motor vehicle scrap only from scrap providers who participate in a program for removal of mercury switches that has been approved by the EPA Administrator in accordance with §63.10685(b)(2)” and has prepared a plan demonstrating how the facility participates in the EPA-approved program in accordance with §63.10685(b)(2)(iv);

(iii) “The only materials from motor vehicles in the scrap charged to an electric arc furnace at this facility are materials recovered for their specialty alloy content in accordance with

§63.10685(b)(3) which are not reasonably expected to contain mercury switches"; or

(iv) "This facility complies with the requirements for scrap that does not contain motor vehicle scrap in accordance with §63.10685(b)(4)."

(4) This certification of compliance for the capture system requirements in §63.10686(a), signed by a responsible official: "This facility operates a capture system for each electric arc furnace and argon-oxygen decarburization vessel that conveys the collected emissions to a PM control device in accordance with §63.10686(a)".

(5) If applicable, this certification of compliance for the performance test requirements in §63.10686(d)(6): "This facility certifies initial compliance with the applicable emissions limit in §63.10686(a) or (b) based on the results of a previous performance test in accordance with §63.10686(d)(6)".

(6) This certification of compliance for the monitoring requirements in §63.10686(e), signed by a responsible official: "This facility has developed and submitted proposed monitoring information in accordance with 40 CFR part 64".

§ 63.10691 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by the EPA or a delegated authority such as a State, local, or tribal agency. If the EPA Administrator has delegated authority to a State, local, or tribal agency, then that Agency has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (6) of this section.

(1) Approval of an alternative non-opacity emissions standard under 40 CFR 63.6(g).

(2) Approval of an alternative opacity emissions standard under §63.6(h)(9).

(3) Approval of a major change to test methods under §63.7(e)(2)(ii) and (f). A "major change to test method" is defined in 40 CFR 63.90.

(4) Approval of major change to monitoring under 40 CFR 63.8(f). A "major change to monitoring" is defined in 40 CFR 63.90.

(5) Approval of a major change to recordkeeping/reporting under 40 CFR 63.10(f). A "major change to recordkeeping/reporting" is defined in 40 CFR 63.90.

(6) Approval of a program for the removal of mercury switches under §63.10685(b)(2).

§ 63.10692 What definitions apply to this subpart?

Link to an amendment published at 73 FR 72731, Dec. 1, 2008.

Terms used in this subpart are defined in the Clean Air Act, in §63.2, and in this section as follows:

Argon-oxygen decarburization (AOD) vessel means any closed-bottom, refractory-lined converter vessel with submerged tuyeres through which gaseous mixtures containing argon and oxygen or nitrogen may be blown into molten steel for further refining.

Capture system means the equipment (including ducts, hoods, fans, dampers, etc.) used to capture or transport emissions generated by an electric arc furnace or argon-oxygen decarburization vessel to the air pollution control device.

Chlorinated plastics means solid polymeric materials that contain chlorine in the polymer chain, such as polyvinyl chloride (PVC) and PVC copolymers.

Control device means the air pollution control equipment used to remove particulate matter from the effluent gas stream generated by an electric arc furnace or argon-oxygen decarburization vessel.

Deviation means any instance where an affected source subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emissions limitation or work practice standard;

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emissions limitation in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.

Electric arc furnace (EAF) means a furnace that produces molten steel and heats the charge materials with electric arcs from carbon electrodes. An electric arc furnace consists of the furnace shell, roof, and the transformer.

Electric arc furnace (EAF) steelmaking facility means a steel plant that produces carbon, alloy, or specialty steels using an EAF. This definition excludes EAF steelmaking facilities at steel foundries and EAF facilities used to produce nonferrous metals.

Free organic liquids means material that fails the paint filter test by EPA Method 9095B, (revision 2, dated November 1994) (incorporated by reference—see §63.14) after accounting for water using a moisture determination test by ASTM Method D2216–05 (incorporated by reference—see §63.14). If, after conducting a moisture determination test, if any portion of the material passes through and drops from the filter within the 5-minute test period, the material contains *free organic liquids* .

Leaded steel means steel that must meet a minimum specification for lead content (typically 0.25 percent or more) and for which lead is a necessary alloy for that grade of steel.

Mercury switch means each mercury-containing capsule or switch assembly that is part of a

convenience light switch mechanism installed in a vehicle.

Motor vehicle means an automotive vehicle not operated on rails and usually operated with rubber tires for use on highways.

Motor vehicle scrap means vehicle or automobile bodies, including automobile body hulks, that have been processed through a shredder. *Motor vehicle scrap* does not include automobile manufacturing bundles, or miscellaneous vehicle parts, such as wheels, bumpers or other components that do not contain mercury switches.

Nonferrous metals means any pure metal other than iron or any metal alloy for which an element other than iron is its major constituent by percent in weight.

Scrap provider means the person (including a broker) who contracts directly with a steel mill to provide scrap that contains motor vehicle scrap. Scrap processors such as shredder operators or vehicle dismantlers that do not sell scrap directly to a steel mill are not *scrap providers* .

Specialty steel means low carbon and high alloy steel other than stainless steel that is processed in an argon-oxygen decarburization vessel.

Stainless steel means low carbon steel that contains at least 10.5 percent chromium.

Table 1 to Subpart YYYYY of Part 63—Applicability of General Provisions to Subpart YYYYY

As required in §63.10691(a), you must comply with the requirements of the NESHAP General Provisions (40 CFR part 63, subpart A) shown in the following table.

Citation	Subject	Applies to subpart YYYYY?	Explanation
§63.1(a)(1), (a)(2), (a)(3), (a)(4), (a)(6), (a)(10)–(a)(12), (b)(1), (b)(3), (c)(1), (c)(2), (c)(5), (e)	Applicability	Yes	
§63.1(a)(5), (a)(7)–(a)(9), (b)(2), (c)(3), (c)(4), (d)	Reserved	No	
§63.2	Definitions	Yes	
§63.3	Units and Abbreviations	Yes	
§63.4	Prohibited Activities and Circumvention	Yes	
§63.5	Preconstruction Review and Notification Requirements	Yes	
§63.6(a), (b)(1)–(b)(5), (b)(7), (c)(1), (c)(2), (c)(5), (e)(1), (e)(3)(i), (e)(3)(iii)–(e)(3)(ix), (f), (g), (h)(1), (h)(2), (h)(5)–	Compliance with Standards and Maintenance Requirements	Yes	

(h)(9), (i), (j)			
§63.6(b)(6), (c)(3), (c)(4), (d), (e)(2), (e)(3)(ii), (h)(3), (h)(5)(iv)	Reserved	No	
§63.7	Applicability and Performance Test Dates	Yes	
§63.8(a)(1), (a)(2), (b), (c), (d), (e), (f)(1)–(5), (g)	Monitoring Requirements	Yes	Requirements apply if a COMS or CEMS is used.
§63.8(a)(3)	[Reserved]	No	
§63.8(a)(4)	Additional Monitoring Requirements for Control Devices in §63.11	No	
§63.8(c)(4)	Continuous Monitoring System Requirements	Yes	Requirements apply if a COMS or CEMS is used.
§63.8(f)(6)	RATA Alternative	Yes	Requirements apply if a CEMS is used.
§63.9(a), (b)(1), (b)(2), (b)(5), (c), (d), (f), (g), (h)(1)–(h)(3), (h)(5), (h)(6), (i), (j)	Notification Requirements	Yes	
§63.9(b)(3), (h)(4)	Reserved	No	
§63.9(b)(4)		No	
§63.10(a), (b)(1), (b)(2)(i)–(v), (b)(2)(xiv), (b)(3), (c)(1), (c)(5)–(c)(8), (c)(10)–(c)(15), (d), (e)(1)–(e)(4), (f)	Recordkeeping and Reporting Requirements	Yes	Additional records for CMS in §63.10(c) (1)–(6), (9)–(15), and reports in §63.10(d)(1)–(2) apply if a COMS or CEMS is used.
§63.10(b)(2)(xiii)	CMS Records for RATA Alternative	Yes	Requirements apply if a CEMS is used.
§63.10(c)(2)–(c)(4), (c)(9)	Reserved	No	
§63.11	Control Device Requirements	No	
§63.12	State Authority and Delegations	Yes	
§§63.13–63.16	Addresses, Incorporations by Reference, Availability of Information, Performance Track Provisions	Yes	

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