

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or Tribal agency under subpart E of this part, the authorities contained in paragraph (c) of this section are retained by the Administrator of U.S. EPA and cannot be transferred to the State, local, or Tribal agency.

(c) The authorities that cannot be delegated to State, local, or Tribal agencies are as specified in paragraphs (c)(1) through (4) of this section.

(1) Approval of alternatives to requirements in §§ 63.100, 63.102, and 63.104. Where these standards reference another subpart, the cited provisions will be delegated according to the delegation provisions of the referenced subpart.

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f), as defined in § 63.90, and as required in this subpart.

(3) Approval of major alternatives to monitoring under § 63.8(f), as defined in § 63.90, and as required in this subpart.

(4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f), as defined in § 63.90, and as required in this subpart.

[68 FR 37344, June 23, 2003]

§ 63.107 Identification of process vents subject to this subpart.

(a) The owner or operator shall use the criteria specified in this § 63.107 to determine whether there are any process vents associated with an air oxidation reactor, distillation unit, or reactor that is in a source subject to this subpart. A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.

(b) Some, or all, of the gas stream originates as a continuous flow from an air oxidation reactor, distillation unit, or reactor during operation of the chemical manufacturing process unit.

(c) The discharge to the atmosphere (with or without passing through a control device) meets at least one of the conditions specified in paragraphs (c)(1) through (3) of this section.

(1) Is directly from an air oxidation reactor, distillation unit, or reactor; or

(2) Is from an air oxidation reactor, distillation unit, or reactor after passing solely (*i.e.*, without passing through any other unit operation for a process purpose) through one or more recovery devices within the chemical manufacturing process unit; or

(3) Is from a device recovering only mechanical energy from a gas stream that comes either directly from an air oxidation reactor, distillation unit, or reactor, or from an air oxidation reactor, distillation unit, or reactor after passing solely (*i.e.*, without passing through any other unit operation for a process purpose) through one or more recovery devices within the chemical manufacturing process unit.

(d) The gas stream contains greater than 0.005 weight percent total organic HAP at the point of discharge to the atmosphere (or at the point of entry into a control device, if any).

(e) The air oxidation reactor, distillation unit, or reactor is part of a chemical manufacturing process unit that meets the criteria of § 63.100(b).

(f) The gas stream is in the gas phase from the point of origin at the air oxidation reactor, distillation unit, or reactor to the point of discharge to the atmosphere (or to the point of entry into a control device, if any).

(g) The gas stream is discharged to the atmosphere either on-site, off-site, or both.

(h) The gas stream is not any of the items identified in paragraphs (h)(1) through (9) of this section.

(1) A relief valve discharge.

(2) A leak from equipment subject to subpart H of this part.

(3) A gas stream going to a fuel gas system as defined in § 63.101.

(4) A gas stream exiting a control device used to comply with § 63.113.

(5) A gas stream transferred to other processes (on-site or off-site) for reaction or other use in another process (*i.e.*, for chemical value as a product, isolated intermediate, byproduct, or coproduct, or for heat value).

(6) A gas stream transferred for fuel value (*i.e.*, net positive heating value), use, reuse, or for sale for fuel value, use, or reuse.

Environmental Protection Agency

Pt. 63, Subpt. F, Table 1

(7) A storage vessel vent or transfer operation vent subject to §63.119 or §63.126.

(8) A vent from a waste management unit subject to §§63.132 through 63.137.

(9) A gas stream exiting an analyzer.

(i) The gas stream would meet the characteristics specified in paragraphs (b) through (g) of this section, but, for purposes of avoiding applicability, has been deliberately interrupted, temporarily liquefied, routed through any item of equipment for no process purpose, or disposed of in a flare that does not meet the criteria in §63.11(b), or an incinerator that does not reduce emissions of organic HAP by 98 percent or to a concentration of 20 parts per million by volume, whichever is less stringent.

[66 FR 6928, Jan. 22, 2001]

TABLE 1 TO SUBPART F OF PART 63—
SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY CHEMICALS

Chemical name ^a	CAS No. ^b	Group
Acenaphthene	83329	V
Acetal	105577	V
Acetaldehyde	75070	II
Acetamide	60355	II
Acetanilide	103844	II
Acetic acid	64197	II
Acetic anhydride	108247	II
Acetoacetanilide	102012	III
Acetone	67641	I
Acetone cyanohydrin	75865	V
Acetonitrile	75058	I
Acetophenone	98862	I
Acrolein	107028	IV
Acrylamide	79061	I
Acrylic acid	79107	IV
Acrylonitrile	107131	I
Adiponitrile	111693	I
Alizarin	72480	V
Alkyl anthraquinones	008	V
Allyl alcohol	107186	I
Allyl chloride	107051	IV
Allyl cyanide	109751	IV
Aminophenol sulfonic acid	0010	V
Aminophenol (p-)	123308	I
Aniline	62533	I
Aniline hydrochloride	142041	III
Anisidine (o-)	90040	II
Anthracene	120127	V
Anthraquinone	84651	III
Azobenzene	103333	I
Benzaldehyde	100527	III
Benzene	71432	I
Benzenedisulfonic acid	98486	I
Benzenesulfonic acid	98113	I
Benzil	134816	III
Benzilic acid	76937	III
Benzoic acid	65850	III
Benzoic acid	119539	III
Benzonitrile	100470	III
Benzophenone	119619	I
Benzotrichloride	98077	III

Chemical name ^a	CAS No. ^b	Group
Benzoyl chloride	98884	III
Benzyl acetate	140114	III
Benzyl alcohol	100516	III
Benzyl benzoate	120514	III
Benzyl chloride	100447	III
Benzyl dichloride	98873	III
Biphenyl	92524	I
Bisphenol A	80057	III
Bis(Chloromethyl) Ether	542881	I
Bromobenzene	108861	I
Bromoform	75252	V
Bromonaphthalene	27497514	IV
Butadiene (1,3-)	106990	II
Butanediol (1,4-)	110634	I
Butyl acrylate (n-)	141322	V
Butylene glycol (1,3-)	107880	II
Butyrolactone	96480	I
Caprolactam	105602	II
Carbaryl	63252	V
Carbazole	86748	V
Carbon disulfide	75150	IV
Carbon tetrabromide	558134	II
Carbon tetrachloride	56235	I
Carbon tetrafluoride	75730	II
Chloral	75876	II
Chloroacetic acid	79118	II
Chloroacetophenone (2-)	532274	I
Chloroaniline (p-)	106478	II
Chlorobenzene	108907	II
2-Chloro-1,3-butadiene (Chloroprene)	126998	II
Chlorodifluoroethane	25497294	V
Chlorodifluoromethane	75456	I
Chloroform	67663	I
Chloronaphthalene	25586430	IV
Chloronitrobenzene (m-)	121733	I
Chloronitrobenzene (o-)	88733	I
Chloronitrobenzene (p-)	100005	I
Chlorophenol (m-)	108430	II
Chlorophenol (o-)	95578	II
Chlorophenol (p-)	106489	II
Chlorotoluene (m-)	108418	III
Chlorotoluene (o-)	95498	III
Chlorotoluene (p-)	106434	III
Chlorotrifluoromethane	75729	II
Chrysene	218019	V
Cresol and cresylic acid (m-)	108394	III
Cresol and cresylic acid (o-)	95487	III
Cresol and cresylic acid (p-)	106445	III
Cresols and cresylic acids (mixed)	1319773	III
Cumene	98828	I
Cumene hydroperoxide	80159	I
Cyanoacetic acid	372098	II
Cyclohexane	110827	I
Cyclohexanol	108930	I
Cyclohexanone	108941	I
Cyclohexylamine	108918	III
Cyclooctadienes	29965977	II
Decahydronaphthalene	91178	IV
Diacetoxy-2-Butene (1,4-)	0012	V
Diaminophenol hydrochloride	137097	V
Dibromomethane	74953	V
Dichloroaniline (mixed isomers)	27134276	I
Dichlorobenzene (p-)	106467	I
Dichlorobenzene (m-)	541731	I
Dichlorobenzene (o-)	95501	I
Dichlorobenzidine (3,3'-)	91941	I
Dichlorodifluoromethane	75718	I
Dichloroethane (1,2-) (Ethylenedichloride) (EDC)	107062	I
Dichloroethyl ether (bis(2-chloroethyl)ether)	111444	I

Pt. 63, Subpt. F, Table 1

40 CFR Ch. I (7-1-07 Edition)

Chemical name ^a	CAS No. ^b	Group	Chemical name ^a	CAS No. ^b	Group
Dichloroethylene (1,2-)	540590	II	Ethylene glycol	110714	I
Dichlorophenol (2,4-)	120832	III	dimethyl ether		
Dichloropropene (1,3-)	542756	II	Ethylene glycol monoacetate	542596	V
Dichlorotetrafluoroethane.	1320372	V	Ethylene glycol monobutyl ether acetate.	112072	I
Dichloro-1-butene (3,4-)	760236	II	Ethylene glycol monobutyl ether	111762	I
Dichloro-2-butene (1,4-)	764410	V	Ethylene glycol monoethyl ether acetate.	111159	I
Diethanolamine (2,2'-iminodiethanol)	111422	I	Ethylene glycol monoethyl ether	110805	I
Diethyl sulfate	64675	II	Ethylene glycol monohexyl ether	112254	V
Diethylamine	109897	IV	Ethylene glycol monomethyl ether acetate.	110496	I
Diethylaniline (2,6-)	579668	V	Ethylene glycol monomethyl ether		
Diethylene glycol	111466	I	acetate.		
Diethylene glycol dibutyl ether	112732	I	Ethylene glycol monomethyl ether	109864	I
Diethylene glycol diethyl ether	112367	I	Ethylene glycol monoethyl ether	002	V
Diethylene glycol dimethyl ether	111966	I	Ethylene glycol monophenyl ether	122996	I
Diethylene glycol monobutyl ether acetate.	124174	I	Ethylene glycol monopropyl ether	2807309	I
Diethylene glycol monobutyl ether	112345	I	Ethylene oxide	75218	I
Diethylene glycol monoethyl ether acetate.	112152	I	Ethylenediamine	107153	II
Diethylene glycol monoethyl ether			Ethylenediamine tetraacetic acid	60004	V
Diethylene glycol monohexyl ether	111900	I	Ethylenimine (Aziridine)	151564	II
Diethylene glycol monohexyl ether	112594	V	Ethylhexyl acrylate (2-isomer)	103117	II
Diethylene glycol monomethyl ether acetate.	629389	V	Fluoranthene	206440	V
Diethylene glycol monomethyl ether	111773	I	Formaldehyde	50000	I
Dihydroxybenzoic acid (Resorcylic acid).	27138574	V	Formamide	75127	II
Dimethylbenzidine (3,3'-)	119937	II	Formic acid	64186	II
Dimethyl ether	115106	IV	Fumaric acid	110178	I
Dimethylformamide (N,N-)	68122	II	Glutaraldehyde	111308	IV
Dimethylhydrazine (1,1-)	57147	II	Glyceraldehyde	367475	V
Dimethyl sulfate	77781	I	Glycerol	56815	II
Dimethyl terephthalate	120616	II	Glycine	56406	II
Dimethylamine	124403	IV	Glyoxal	107222	II
Dimethylaminoethanol (2-)	108010	I	Hexachlorobenzene	118741	II
Dimethylaniline (N,N')	121697	III	Hexachlorobutadiene	87683	II
Dinitrobenzenes (NOS) ^c	25154545	I	Hexachloroethane	67721	II
Dinitrophenol (2,4-)	51285	III	Hexadiene (1,4-)	592450	II
Dinitrotoluene (2,4-)	121142	III	Hexamethylene-tetramine.	100970	I
Dioxane (1,4-) (1,4-Diethyleneoxide)	1239	11I	Hexane	110543	V
Dioxolane (1,3-)	646060	I	Hexanetriol (1,2,6-)	106694	IV
Diphenyl methane	101815	I	Hydroquinone	123319	I
Diphenyl oxide	101848	I	Hydroxyadipaldehyde	141311	V
Diphenyl thiourea	102089	III	Isobutyl acrylate	106638	V
Diphenylamine	122394	III	Isobutylene	115117	V
Dipropylene glycol	110985	I	Isophorone	78591	IV
Di-o-tolylguanidine	97392	III	Isophorone nitrile	0017	V
Dodecanedioic acid	693232	I	Isophthalic acid	121915	III
Dodecyl benzene (branched)	123013	V	Isopropylphenol	25168063	III
Dodecyl phenol (branched)	121158585	V	Linear alkylbenzene		d
Dodecylaniline	28675174	V	Maleic anhydride	108316	I
Dodecylbenzene (n-)	121013	I	Maleic hydrazide	123331	I
Dodecylphenol	27193868	III	Malic acid	6915157	I
Epichlorohydrin (1-chloro-2,3-epoxypropane).	106898	I	Metanilic acid	121471	I
Ethanolamine	141435	I	Methacrylic acid	79414	V
Ethyl acrylate	140885	II	Methanol	67561	IV
Ethylbenzene	100414	I	Methionine	63683	I
Ethyl chloride (Chloroethane)	75003	IV	Methyl acetate	79209	IV
Ethyl chloroacetate	105395	II	Methyl acrylate	96333	V
Ethylamine	75047	V	Methyl bromide (Bromomethane)	74839	IV
Ethylaniline (N-)	103695	III	Methyl chloride (Chloromethane)	74873	IV
Ethylaniline (o-)	578541	III	Methyl ethyl ketone (2-butanone)	78933	V
Ethylcellulose	9004573	V	Methyl formate	107313	II
Ethylcyanoacetate	105566	V	Methyl hydrazine	60344	IV
Ethylene carbonate	96491	I	Methyl isobutyl carbinol	108112	IV
Ethylene dibromide (Dibromoethane)	106934	I	Methyl isobutyl ketone (Hexone)	108101	IV
Ethylene glycol	107211	I	Methyl isocyanate	624839	IV
Ethylene glycol diacetate	111557	I	Methyl mercaptan	74931	IV
Ethylene glycol dibutyl ether	112481	V	Methyl methacrylate	80626	IV
Ethylene glycol diethyl ether (1,2-diethoxyethane).	629141	I	Methyl phenyl carbinol	98851	II
			Methyl tert-butyl ether	1634044	V
			Methylamine	74895	IV
			Methylaniline (N-)	100618	III
			Methylcyclohexane	108872	III
			Methylcyclohexanol	25639423	V
			Methylcyclohexanone	1331222	III

Environmental Protection Agency

Pt. 63, Subpt. F, Table 1

Chemical name ^a	CAS No. ^b	Group	Chemical name ^a	CAS No. ^b	Group
Methylene chloride	75092	I	Stilbene	588590	III
(Dichloromethane).			Styrene	100425	I
Methylene dianiline (4,4'-isomer)	101779	I	Succinic acid	110156	I
Methylene diphenyl diisocyanate (4,4'-) (MDI).	101688	III	Succinonitrile	110612	I
Methylenes (a-)	79696	V	Sulfanilic acid	121573	III
Methylpentynol	77758	V	Sulfolane	126330	II
Methylstyrene (a-)	98839	I	Tartaric acid	526830	I
Naphthalene	91203	IV	Terephthalic acid	100210	II
Naphthalene sulfonic acid (a-)	85472	IV	Tetrabromophthalic anhydride	632791	III
Naphthalene sulfonic acid (b-)	120183	IV	Tetrachlorobenzene (1,2,4,5-)	95943	I
Naphthol (a-)	90153	IV	Tetrachloroethane (1,1,2,2-)	79345	II
Naphthol (b-)	135193	IV	Tetrachloroethylene (Perchloroethylene).	127184	I
Naphtholsulfonic acid (1-)	567180	V	Tetrachlorophthalic anhydride.	117088	III
Naphthylamine sulfonic acid (1,4-)	84866	V	Tetraethyl lead	78002	IV
Naphthylamine sulfonic acid (2,1-)	81163	V	Tetraethylene glycol	112607	I
Naphthylamine (1-)	134327	V	Tetraethylene-pentamine.	112572	V
Naphthylamine (2-)	91598	V	Tetrahydrofuran	109999	I
Nitroaniline (m-)	99092	II	Tetrahydronaphthalene	119642	IV
Nitroaniline (o-)	88744	I	Tetrahydrophthalic anhydride	85438	II
Nitroanisole (o-)	91236	III	Tetramethylene-diamine.	110601	II
Nitroanisole (p-)	100174	III	Tetramethylethylenediamine	110189	V
Nitrobenzene	98953	I	Tetramethyllead	75741	V
Nitronaphthalene (1-)	86577	IV	Toluene	108883	I
Nitrophenol (p-)	100027	III	Toluene 2,4 diamine	95807	II
Nitrophenol (o-)	88755	III	Toluene 2,4 diisocyanate	584849	II
Nitropropane (2-)	79469	II	Toluene diisocyanates (mixture)	26471625	II
Nitrotoluene (all isomers)	1321126	III	Toluene sulfonic acids	104154	III
Nitrotoluene (o-)	88722	III	Toluenesulfonyl chloride	98599	III
Nitrotoluene (m-)	99081	III	Toluidine (o-)	95534	II
Nitrotoluene (p-)	99990	III	Trichloroaniline-(2,4,6-)	634935	III
Nitroxylene	25168041	V	Trichlorobenzene (1,2,3-)	87616	V
Nonylbenzene (branched)	1081772	V	Trichlorobenzene (1,2,4-)	120821	I
Nonylphenol	25154523	V	Trichloroethane (1,1,1-)	71556	II
Octene-1	111660	I	Trichloroethane (1,1,2-) (Vinyl trichloride).	79005	II
Octylphenol	27193288	III	Trichloroethylene	79016	I
Paraldehyde	30525894	I	Trichlorofluoromethane	75694	I
Paraldehyde	123637	II	Trichlorophenol (2,4,5-)	95954	I
Pentachlorophenol	87865	III	(1,1,2-) Trichloro (1,2,2-) trifluoroethane.	76131	I
Pentaerythritol	115775	I	Triethanolamine	102716	I
Peracetic acid	79210	II	Triethylamine	121448	IV
Perchloromethyl mercaptan	594423	IV	Triethylene glycol	112276	I
Phenanthrene	85018	V	Triethylene glycol dimethyl ether.	112492	I
Phenetidine (p-)	156434	III	Triethylene glycol monoethyl ether	112505	V
Phenol	108952	III	Triethylene glycol monomethyl ether	112356	I
Phenolphthalein	77098	III	Trimethylamine	75503	IV
Phenolsulfonic acids (all isomers)	1333397	III	Trimethylcyclohexanol	933482	IV
Phenyl anthranilic acid (all isomers)	91407	III	Trimethylcyclohexanone.	2408379	IV
Phenylenediamine (p-)	106503	I	Trimethylcyclohexylamine.	34216347	V
Phloroglucinol	108736	III	Trimethylolpropane	77996	I
Phosgene	75445	IV	Trimethylpentane (2,2,4-)	540841	V
Phthalic acid	88993	III	Tripropylene glycol	24800440	V
Phthalic anhydride	85449	III	Vinyl acetate	108054	II
Phthalimide	85416	III	Vinyl chloride (Chloroethylene)	75014	I
Phthalonitrile	91156	III	Vinyl toluene	25013154	III
Picoline (b-)	108996	II	Vinylcyclohexene (4-)	100403	II
Piperazine	110850	I	Vinylidene chloride (1,1-dichloroethylene).	75354	II
Propiolactone (beta-)	57578	I	Vinyl(N-)-pyrrolidone(2-)	88120	V
Propionaldehyde	123386	IV	Xanthates	140896	V
Propionic acid	79094	I	Xylene sulfonic acid	25321419	III
Propylene carbonate	108327	V	Xylenes (NOS) ^c	1330207	I
Propylene dichloride (1,2-dichloropropane).	78875	IV	Xylene (m-)	108383	I
Propylene glycol	57556	I			
Propylene glycol monomethyl ether	107982	I			
Propylene oxide	75569	I			
Pyrene	129000	V			
Pyridine	110861	II			
p-tert-Butyl toluene	98511	III			
Quinone	106514	III			
Resorcinol	108463	I			
Salicylic acid	69727	III			
Sodium methoxide	124414	IV			
Sodium phenate	139026	III			

Pt. 63, Subpt. F, Table 2

40 CFR Ch. I (7-1-07 Edition)

Chemical name ^a	CAS No. ^b	Group
Xylene (o-)	95476	I
Xylene (p-)	106423	I
Xylenols (Mixed)	1300716	V
Xylidene	1300738	III

^a Isomer means all structural arrangements for the same number of atoms of each element and does not mean salts, esters, or derivatives.

^b CAS Number = Chemical Abstract Service number.

^c NOS = not otherwise specified.

^d No CAS number assigned.

[59 FR 19454, Apr. 22, 1994, as amended at 59 FR 48176, Sept. 20, 1994; 61 FR 31439, June 20, 1996; 63 FR 26082, May 12, 1998]

TABLE 2 TO SUBPART F OF PART 63—ORGANIC HAZARDOUS AIR POLLUTANTS

Chemical name ^{a,b}	CAS No. ^c
Acenaphthene	83329
Acetaldehyde	75070
Acetamide	60355
Acetonitrile	75058
Acetophenone	98862
Acrolein	107028
Acrylamide	79061
Acrylic acid	79107
Acrylonitrile	107131
Alizarin	72480
Allyl chloride	107051
Aniline	62533
Anisidine (o-)	90040
Anthracene	120127
Anthraquinone	84651
Benzene	71432
Benzotrichloride	98077
Benzyl chloride	100447
Biphenyl	92524
Bis(chloromethyl)ether	542881
Bromoform	75252
Bromonaphthalene	27497514
Butadiene (1,3-)	106990
Carbon disulfide	75150
Carbon tetrachloride	56235
Chloroacetic acid	79118
Chloroacetophenone (2-)	532274
Chlorobenzene	108907
2-Chloro-1,3-butadiene (Chloroprene)	126998
Chloroform	67663
Chloronaphthalene	25586430
Chrysene	218019
Cresols and cresylic acids (mixed)	1319773
Cresol and cresylic acid (o-)	95487
Cresol and cresylic acid (m-)	108394
Cresol and cresylic acid (p-)	106445
Cumene	98828
Dichlorobenzene (p-)	106467
Dichlorobenzidine (3,3'-)	91941
Dichloroethane (1,2-) (Ethylene dichloride) (EDC)	107062
Dichloroethylether (Bis(2-chloroethyl)ether)	111444
Dichloropropene (1,3-)	542756
Diethanolamine (2,2'-Iminodiethanol)	111422
Dimethylaniline (N,N-)	121697
Diethyl sulfate	64675
Dimethylbenzidine (3,3'-)	119937
Dimethylformamide (N,N-)	68122
Dimethylhydrazine (1,1-)	58147
Dimethylphthalate	131113
Dimethylsulfate	77781
Dinitrophenol (2,4-)	51285
Dinitrotoluene (2,4-)	121142

Chemical name ^{a,b}	CAS No. ^c
Dioxane (1,4-) (1,4-Diethyleneoxide)	123911
1,2-Diphenylhydrazine	122667
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106898
Ethyl acrylate	140885
Ethylbenzene	100414
Ethyl chloride (Chloroethane)	75003
Ethylene dibromide (Dibromoethane)	106934
Ethylene glycol	107211
Ethylene oxide	75218
Ethylidene dichloride (1,1-Dichloroethane)	75343
Fluoranthene	206440
Formaldehyde	50000
Glycol ethers ^d	
Hexachlorobenzene	118741
Hexachlorobutadiene	87683
Hexachloroethane	67721
Hexane	110543
Hydroquinone	123319
Isophorone	78591
Maleic anhydride	108316
Methanol	67561
Methylbromide (Bromomethane)	74839
Methylchloride (Chloromethane)	74873
Methyl hydrazine	60344
Methyl isobutyl ketone (Hexone)	108101
Methyl isocyanate	624839
Methyl methacrylate	80626
Methyl tert-butyl ether	1634044
Methylene chloride (Dichloromethane)	75092
Methylene diphenyl diisocyanate (4,4'-) (MDI)	101688
Methylenedianiline (4,4'-)	101779
Naphthalene	91203
Naphthalene sulfonic acid (α)	85472
Naphthalene sulfonic acid (β)	120183
Naphthol (α)	90153
Naphthol (β)	135193
Naphtholsulfonic acid (1-)	567180
Naphthylamine sulfonic acid (1,4-)	84866
Naphthylamine sulfonic acid (2,1-)	81163
Naphthylamine (1-)	134327
Naphthylamine (2-)	91598
Nitronaphthalene (1-)	86577
Nitrobenzene	98953
Nitrophenol (p-)	100027
Nitropropane (2-)	79469
Phenanthrene	85018
Phenol	108952
Phenylenediamine (p-)	106503
Phosgene	75445
Phthalic anhydride	85449
Propiolactone (beta-)	57578
Propionaldehyde	123386
Propylene dichloride (1,2-Dichloropropane)	78875
Propylene oxide	75569
Pyrene	129000
Quinone	106514
Styrene	100425
Tetrachloroethane (1,1,2,2-)	79345
Tetrachloroethylene (Perchloroethylene)	127184
Tetrahydronaphthalene	119642
Toluene	108883
Toluene diamine (2,4-)	95807
Toluene diisocyanate (2,4-)	584849
Toluidine (o-)	95534
Trichlorobenzene (1,2,4-)	120821
Trichloroethane (1,1,1-) (Methyl chloroform)	71556
Trichloroethane (1,1,2-) (Vinyl trichloride)	79005
Trichloroethylene	79016
Trichlorophenol (2,4,5-)	95954
Triethylamine	121448
Trimethylpentane (2,2,4-)	540841
Vinyl acetate	108054
Vinyl chloride (Chloroethylene)	75014
Vinylidene chloride (1,1-Dichloroethylene)	75354

Environmental Protection Agency

Pt. 63, Subpt. F, Table 3

Chemical name ^{a,b}	CAS No. ^c
Xylenes (NOS)	1330207
Xylene (m-)	108383
Xylene (o-)	95476
Xylene (p-)	106423

^c CAS No.=Chemical Abstract Service number.
^d Includes mono- and di- ethers of ethylene glycol, diethylene glycol, and triethylene glycol R-(OCH₂ CH₂n-OR where:
 n=1, 2, or 3;
 R=alkyl or aryl groups; and
 R'=R, H or groups which, when removed, yield glycol ethers with the structure:
 R-(OCH₂ CH₂n-OH
 Polymers are excluded from the glycol category.

^a For all Listings above containing the word "Compounds," the following applies: Unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical (i.e., antimony, arsenic) as part of that chemical's infrastructure.
^b Isomer means all structural arrangements for the same number of atoms of each element and does not mean salts, esters, or derivatives.

[62 FR 2735, Jan. 17, 1997, as amended at 71 FR 76614, Dec. 21, 2006]

TABLE 3 TO SUBPART F OF PART 63—GENERAL PROVISIONS APPLICABILITY TO SUBPARTS F, G, AND H^A TO SUBPART F

Reference	Applies to subparts F, G, and H	Comment
63.1(a)(1)	Yes	Overlap clarified in § 63.101, § 63.111, § 63.161.
63.1(a)(2)	Yes.	
63.1(a)(3)	Yes	§ 63.110 and § 63.160(b) of subparts G and H identify which standards are overridden.
63.1(a)(4)	No	Subpart F specifies applicability of each paragraph in subpart A to subparts F, G, and H.
63.1 (a)(5)—(a)(9)	No.	
63.1(a)(10)	No	Subparts F, G, and H specify calendar or operating day.
63.1(a)(11)	No	Subpart F § 63.103(d) specifies acceptable methods for submitting reports. ^a
63.1 (a)(12)—(a)(14)	Yes.	
63.1(b)(1)	No	Subpart F specifies applicability.
63.1(b)(2)	Yes.	
63.1(b)(3)	No.	
63.1(c)(1)	No	Subpart F specifies applicability.
63.1(c)(2)	No	Area sources are not subject to subparts F, G, and H.
63.1(c)(3)	No.	
63.1(c)(4)	Yes.	
63.1(c)(5)	No	Subparts G and H specify applicable notification requirements.
63.1(d)	No.	
63.1(e)	No	Subparts F, G, and H established before permit program.
63.2	Yes	Subpart F § 63.101(a) specifies those subpart A definitions that apply to the HON. Subpart F definition of "source" is equivalent to subpart A definition of "affected source." Units of measure are spelled out in subparts F, G, and H.
63.3	No	
63.4 (a)(1)—(a)(3)	Yes.	
63.4(a)(4)	No	This is a reserved paragraph in subpart A of part 63.
63.4(a)(5)	Yes.	
63.4(b)	Yes.	
63.4(c)	Yes.	
63.5(a)(1)	Yes	Except the terms "source" and "stationary source" in § 63.5(a)(1) should be interpreted as having the same meaning as "affected source."
63.5(a)(2)	Yes.	
63.5(b)(1)	Yes	Except § 63.100(l) defines when construction or reconstruction is subject to standards for new sources.
63.5(b)(2)	No	This is a reserved paragraph in subpart A of part 63.
63.5(b)(3)	Yes.	
63.5(b)(4)	Yes	Except the cross reference to § 63.9(b) is limited to § 63.9(b) (4) and (5). Subpart F overrides § 63.9 (b)(1) through (b)(3).
63.5(b)(5)	Yes.	
63.5(b)(6)	Yes	Except § 63.100(l) defines when construction or reconstruction is subject to standards for new sources.
63.5(c)	No	This is a reserved paragraph in subpart A of part 63.
63.5(d)(1)(i)	No	For subpart G, see § 63.151(b) (2)(ii) and (2)(iii) for the applicability and timing of this submittal; for subpart H, see § 63.182(b) (2)(ii) and (b)(2)(iii) for applicability and timing of this submittal.
63.5(d)(1)(ii)	Yes	Except § 63.5(d)(1)(ii)(H) does not apply.
63.5(d)(1)(iii)	No	Subpart G requires submittal of the Notification of Compliance Status in § 63.152(b); subpart H specifies requirements in § 63.182(c).
63.5(d)(2)	No.	
63.5(d)(3)	Yes—subpart G No—subpart H.	Except § 63.5(d)(3)(ii) does not apply to subpart G.
63.5(d)(4)	Yes.	
63.5(e)	Yes.	
63.5(f)(1)	Yes.	

Reference	Applies to subparts F, G, and H	Comment
63.5(f)(2)	Yes	Except the cross-reference to § 63.5(d)(1) is changed to § 63.151(b)(2)(ii) of subpart G and to § 63.182(b)(2)(ii) of subpart H. The cross-reference to § 63.5(b)(2) does not apply.
63.6(a)	Yes.	
63.6(b)(1)	No	Subparts F and H specify compliance dates for sources subject to subparts F, G, and H.
63.6(b)(2)	No.	
63.6(b)(3)	Yes.	
63.6(b)(4)	No	May apply when standards are proposed under Section 112(f) of the Clean Air Act.
63.6(b)(5)	No	Subparts G and H include notification requirements.
63.6(b)(6)	No.	
63.6(b)(7)	No.	
63.6(c)(1)	No	Subpart F specifies the compliance dates for subparts G and H.
63.6(c)(2)	No.	
63.6(c)(3)	No.	
63.6(c)(4)	No.	
63.6(c)(5)	Yes.	
63.6(d)	No.	
63.6(e)	Yes	Except as otherwise specified for individual paragraphs. Does not apply to Group 2 emission points unless they are included in an emissions average. ^b
63.6(e)(1)(i)	No	This is addressed by § 63.102(a)(4) of subpart F.
63.6(e)(1)(ii)	Yes.	
63.6(e)(1)(iii)	Yes.	
63.6(e)(2)	Yes.	
63.6(e)(3)(i)	Yes	For subpart H, the startup, shutdown, and malfunction plan requirement of § 63.6(e)(3)(i) is limited to control devices subject to the provisions of subpart H and is optional for other equipment subject to subpart H. The startup, shutdown, and malfunction plan may include written procedures that identify conditions that justify a delay of repair.
63.6(e)(3)(i)(A)	No	This is addressed by § 63.102(a)(4).
63.6(e)(3)(i)(B)	Yes.	
63.6(e)(3)(i)(C)	Yes.	
63.6(e)(3)(ii)	Yes.	
63.6(e)(3)(iii)	No	Recordkeeping and reporting are specified in § 63.103(c)(2) of subpart F and § 63.152(d)(1) of subpart G.
63.6(e)(3)(iv)	No	Recordkeeping and reporting are specified in § 63.103(c)(2) of subpart F and § 63.152(d)(1) of subpart G.
63.6(e)(3)(v)	No	Records retention requirements are specified in § 63.103(c).
63.6(e)(3)(vi)	Yes.	
63.6(e)(3)(vii)	Yes.	
63.6(e)(3)(vii)(A)	Yes.	
63.6(e)(3)(vii)(B)	Yes	Except the plan must provide for operation in compliance with § 63.102(a)(4).
63.6(e)(3)(vii)(C)	Yes.	
63.6(e)(3)(viii)	Yes.	
63.6(e)(3)(ix)	Yes.	
63.6(f)(1)	No	§ 63.102(a) of subpart F specifies when the standards apply.
63.6(f)(2)(i)	Yes.	
63.6(f)(2)(ii)	Yes—subpart G No—subpart H.	§ 63.152(c)(2) of subpart G specifies the use of monitoring data in determining compliance with subpart G.
63.6(f)(2)(iii) (A), (B), and (C)	Yes.	
63.6(f)(2)(iii)(D)	No.	
63.6(f)(2)(iv)	Yes.	
63.6(f)(2)(v)	Yes.	
63.6(f)(3)	Yes.	
63.6(g)	No	Procedures specified in § 63.102(b) of subpart F.
63.6(h)	No.	
63.6(i)(1)	Yes.	
63.6(i)(2)	Yes.	
63.6(i)(3)	No	For subpart G, § 63.151(a)(6) specifies procedures; for subpart H, § 63.182(a)(6) specifies procedures.
63.6(i)(4)(i)(A)	Yes.	
63.6(i)(4)(i)(B)	No	Dates are specified in § 63.151(a)(6)(i) of subpart G and § 63.182(a)(6)(i) of subpart H.
63.6(i)(4)(ii)	No.	
63.6(i) (5)—(14)	Yes.	
63.6(i)(15)	No.	
63.6(i)(16)	Yes.	
63.6(j)	Yes.	
63.7(a)(1)	No	Subparts F, G, and H specify required testing and compliance demonstration procedures.
63.7(a)(2)	No	For subpart G, test results must be submitted in the Notification of Compliance Status due 150 days after compliance date, as specified in § 63.152(b); for subpart H, all test results subject to reporting are reported in periodic reports.
63.7(a)(3)	Yes.	

Environmental Protection Agency

Pt. 63, Subpt. F, Table 3

Reference	Applies to subparts F, G, and H	Comment
63.7(b)	No.	
63.7(c)	No.	
63.7(d)	Yes.	
63.7(e)(1)	Yes.	
63.7(e)(2)	Yes.	
63.7(e)(3)	No	Subparts F, G, and H specify test methods and procedures.
63.7(e)(4)	Yes.	
63.7(f)	No	Subparts F, G, and H specify applicable methods and provide alternatives.
63.7(g)	No	Performance test reporting specified in § 63.152(b) of subpart G: Not applicable to subpart H because no performance test required by subpart H.
63.7(h)(1)	Yes.	
63.7(h)(2)	Yes.	
63.7(h)(3)	No	§ 63.103(b)(5) of subpart F specifies provisions for requests to waive performance tests.
63.7(h)(4)	No.	
63.7(h)(5)	Yes.	
63.8(a)(1)	Yes.	
63.8(a)(2)	No.	
63.8(a)(3)	No.	
63.8(a)(4)	Yes.	
63.8(b)(1)	Yes.	
63.8(b)(2)	No	Subparts G and H specify locations to conduct monitoring.
63.8(b)(3)	Yes.	
63.8(c)(1)(i)	Yes.	
63.8(c)(1)(ii)	No	For subpart G, submit as part of periodic report required by § 63.152(c); for subpart H, retain as required by § 63.181(g)(2)(ii).
63.8(c)(1)(iii)	Yes.	
63.8(c)(2)	Yes.	
63.8(c)(3)	Yes.	
63.8(c)(4)	No	Subpart G specifies monitoring frequency by kind of emission point and control technology used (e.g., § 63.111, § 63.120(d)(2), § 63.143, and § 63.152(f)); subpart H does not require use of continuous monitoring systems.
63.8 (c)(5)–(c)(8) ..	No.	
63.8(d)	No.	
63.8(e)	No.	
63.8 (f)(1)–(f)(3)	Yes.	
63.8(f)(4)(i)	No	Timeframe for submitting request specified in § 63.151(f) or (g) of subpart G; not applicable to subpart H because subpart H specifies acceptable alternative methods.
63.8(f)(4)(ii)	Yes.	
63.8(f)(4)(iii)	No.	
63.8(f)(5)(i)	Yes.	
63.8(f)(5)(ii)	No.	
63.8(f)(5)(iii)	Yes.	
63.8(f)(6)	No	Subparts G and H do not require continuous emission monitoring.
63.8(g)	No	Data reduction procedures specified in § 63.152(f) and (g) of subpart G; not applicable to subpart H.
63.9(a)	Yes.	
63.9(b)(1)	No	Specified in § 63.151(b)(2) of subpart G; specified in § 63.182(b) of subpart H.
63.9(b)(2)	No	Initial Notification provisions are specified in § 63.151(b) of subpart G; in § 63.182(b) of subpart H.
63.9(b)(3)	No.	
63.9(b)(4)	Yes	Except that the notification in § 63.9(b)(4)(i) shall be submitted at the time specified in § 63.151(b)(2)(ii) of subpart G; in § 63.182(b)(2) of subpart H.
63.9(b)(5)	Yes	Except that the notification in § 63.9(b)(5) shall be submitted at the time specified in § 63.151(b)(2)(ii) of subpart G; in § 63.182 (b)(2) of subpart H.
63.9(c)	Yes.	
63.9(d)	Yes.	
63.9(e)	No.	
63.9(f)	No.	
63.9(g)	No.	
63.9(h)	No	§ 63.152(b) of subpart G and § 63.182 (c) of subpart H specify Notification of Compliance Status requirements.
63.9(i)	Yes.	
63.9(j)	No.	
63.10(a)	Yes.	
63.10(b)(1)	No	§ 63.103(c) of subpart F specifies record retention requirements.
63.10(b)(2)	No	§ 63.103(c) of subpart F specifies required records.
63.10(b)(3)	No.	
63.10(c)	No.	
63.10(d)(1)	No.	
63.10(d)(2)	No	§ 63.152(b) of subpart G specifies performance test reporting; not applicable to subpart H.
63.10(d)(3)	No.	
63.10(d)(4)	Yes.	

Reference	Applies to subparts F, G, and H	Comment
63.10(d)(5)	Yes	Except that reports required by § 63.10(d)(5) shall be submitted at the time specified in § 63.152(d) of subpart G and in § 63.182(d) of subpart H.
63.10(e)	No.	
63.10(f)	Yes.	
63.11-63.15	Yes.	

^a Wherever subpart A specifies "postmark" dates, submittals may be sent by methods other than the U.S. Mail (e.g., by fax or courier). Submittals shall be sent by the specified dates, but a postmark is not necessarily required.

^b The plan, and any records or reports of start-up, shutdown, and malfunction do not apply to Group 2 emission points unless they are included in an emissions average.

[62 FR 2737, Jan. 17, 1997, as amended at 71 FR 20456, Apr. 20, 2006]

TABLE 4 TO SUBPART F OF PART 63—ORGANIC HAZARDOUS AIR POLLUTANTS SUBJECT TO COOLING TOWER MONITORING REQUIREMENTS IN § 63.104

Chemical name	CAS Number ^a	Chemical name	CAS Number ^a
Acetaldehyde	75070	Ethylene glycol monomethyl ether acetate	110496
Acetonitrile	75058	Ethylene glycol monopropyl ether	2807309
Acetophenone	98862	Ethylene oxide	75218
Acrolein	107028	Ethylidene dichloride (1,1-Dichloroethane)	75343
Acrylonitrile	107131	Formaldehyde	50000
Allyl chloride	107051	Hexachlorobenzene	118741
Aniline	62533	Hexachlorobutadiene	87683
Anisidine (o-)	90040	Hexachloroethane	67721
Benzene	71432	Hexane	110543
Benzyl chloride	100447	Isophorone	78591
Biphenyl	92524	Methanol	67561
Bromoform	75252	Methyl bromide (Bromomethane)	74839
Butadiene (1,3-)	106990	Methyl chloride (Chloromethane)	74873
Carbon disulfide	75150	Methyl hydrazine	60344
Carbon tetrachloride	56235	Methyl isobutyl ketone (Hexone)	108101
Chloroacetophenone (2-)	532274	Methyl methacrylate	80626
Chlorobenzene	108907	Methyl tert-butyl ether	1634044
2-Chloro-1,3-butadiene (Chloroprene)	126998	Methylene chloride (Dichloromethane)	75092
Chloroform	67663	Methylenedianiline (4,4'-)	101779
Cresol and cresylic acid (o-)	95487	Naphthalene	91203
Cresol and cresylic acid (m-)	108394	Nitrobenzene	98953
Cresol and cresylic acid (p-)	106445	Nitropropane (2-)	79469
Cumene	98828	Phenol	108952
Dichlorobenzene (p-)	106467	Phenylenediamine (p-)	106503
Dichlorobenzidine (3,3'-)	91941	Phosgene	75445
Dichloroethane (1,2-) (Ethylene dichloride) (EDC)	107062	Propionaldehyde	123386
Dichloroethyl ether (Bis(2-chloroethyl)ether)	114444	Propylene dichloride (1,2-Dichloropropane)	78875
Dichloropropene (1,3-)	542756	Propylene oxide	75569
Diethylene glycol diethyl ether	112367	Quinone	106514
Diethylene glycol dimethyl ether	111966	Styrene	100425
Diethyl sulfate	64675	Tetrachloroethane (1,1,2,2-)	79345
Dimethylaniline (N,N-)	121697	Tetrachloroethylene (Perchloroethylene)	127184
Dimethylhydrazine (1,1-)	57147	Toluene	108883
Dimethyl phthalate	131113	Toluidine (o-)	95534
Dimethyl sulfate	77781	Trichlorobenzene (1,2,4-)	120821
Dinitrophenol (2,4-)	51285	Trichloroethane (1,1,1-) (Methyl chloroform)	71556
Dinitrotoluene (2,4-)	121142	Trichloroethane (1,1,2-) (Vinyl trichloride)	79005
Dioxane (1,4-) (1,4-Diethyleneoxide)	123911	Trichloroethylene	79016
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106898	Trichlorophenol (2,4,5-)	95954
Ethyl acrylate	140885	Triethylamine	121448
Ethylbenzene	100414	Trimethylpentane (2,2,4-)	540841
Ethyl chloride (Chloroethane)	75003	Vinyl acetate	108054
Ethylene dibromide (Dibromoethane)	106934	Vinyl chloride (chloroethylene)	75014
Ethylene glycol dimethyl ether	110714	Vinylidene chloride (1,1-Dichloroethylene)	75354
Ethylene glycol monobutyl ether	111762	Xylene (m-)	108383
Ethylene glycol monobutyl ether acetate	112072	Xylene (o-)	95476
Ethylene glycol monoethyl ether acetate	111159	Xylene (p-)	106423
Ethylene glycol monoethyl ether	110805		
Ethylene glycol monomethyl ether	109864		

^a CAS Number=Chemical Abstract Service number.

[62 FR 2740, Jan. 17, 1997, as amended at 71 FR 76614, Dec. 21, 2006]