

§ 63.107

Contact the applicable U.S. EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to a State, local, or Tribal agency.

(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.

40 CFR Ch. I (7-1-04 Edition)

(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).

Environmental Protection Agency

Pt. 63, Subpt. F, Table 1

(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.

(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	Chlorodifluoromethane	75456	I
Acetal	105577	V	Chloroform	67663	I
Acetaldehyde	75070	II	Chloronaphthalene	25586430	IV
Acetamide	60355	II	(m-). Chloronitrobenzene	121733	I
Acetanilide	103844	II	(o-). Chloronitrobenzene	88733	I
Acetic acid	64197	II	(p-). Chloronitrobenzene	100005	I
Acetic anhydride	108247	II	Chlorophenol (m-)	108430	II
Acetoacetanilide	102012	III	Chlorophenol (o-)	95578	II
Acetone	67641	I	Chlorophenol (p-)	106489	II
Acetone cyanohydrin	75865	V	Chlorotoluene (m-)	108418	III
Acetonitrile	75058	I	Chlorotoluene (o-)	95498	III
Acetophenone	98862	I	Chlorotoluene (p-)	106434	III
Acrolein	107028	IV	Chlortrifluoromethane	75729	II
Acrylamide	79061	I	Chrysene	218019	V
Acrylic acid	79107	IV	Cresol and cresylic acid (m-)	108394	III
Acrylonitrile	107131	I	Cresol and cresylic acid (o-)	95487	III
Adiponitrile	111693	I	Cresol and cresylic acid (p-)	106445	III
Alizarin	72480	V	Cresols and cresylic acids (mixed)	1319773	III
Alkyl anthraquinones	008	V	Cumene	98828	I
Allyl alcohol	107186	I	Cumene hydroperoxide	80159	I
Allyl chloride	107051	IV	Cyanoacetic acid	372098	II
Allyl cyanide	109751	IV	Cyclohexane	110827	I
Aminophenol sulfonic acid	0010	V	Cyclohexanol	108930	I
Aminophenol (p-)	123308	I	Cyclohexanone	108941	I
Aniline	62533	I	Cyclohexylamine	108918	I
Aniline hydrochloride	142041	III	Cyclooctadienes	29965977	II
Anisidine (o-)	90040	II	Decahydronaphthalene	91178	IV
Anthracene	120127	V	Diacetoxy-2-Butene (1,4-)	0012	V
Anthraquinone	84651	III	Diaminophenol hydrochloride	137097	V
Azobenzene	103333	I	Dibromomethane	74953	V
Benzaldehyde	100527	III	Dichloroaniline (mixed isomers)	27134276	I
Benzene	71432	I	Dichlorobenzene (p-)	106467	I
Benzenedisulfonic acid	98486	I	Dichlorobenzene (m-)	541731	I
Benzenesulfonic acid	98113	I	Dichlorobenzene (o-)	95501	I
Benzil	134816	III	Dichlorobenzidine	91941	I
Benzilic acid	76937	III			

Pt. 63, Subpt. F, Table 1

40 CFR Ch. I (7-1-04 Edition)

Chemical name ^a	CAS No. ^b	Group	Chemical name ^a	CAS No. ^b	Group
(3,3'').			Ethylene dibromide (Dibromoethane)	106934	I
Dichlorodifluoromethane	75718	I	Ethylene glycol	107211	I
Dichloroethane (1,2-)	107062	I	Ethylene glycol diacetate	111557	I
(Ethylenedichloride) (EDC).			Ethylene glycol dibutyl ether	112481	V
Dichloroethyl ether (bis(2-chloroethyl)ether).	111444	I	Ethylene glycol diethyl ether (1,2-dieethoxyethane).	629141	I
Dichloroethylene (1,2-)	540590	II	Ethylene glycol	110714	I
Dichlorophenol (2,4-)	120832	III	Ethylene glycol dimethyl ether		
Dichloropropene (1,3-)	542756	II	Ethylene glycol monoacetate	542596	V
Dichlortetrafluoroethane.	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	109864	I
Diethylene glycol	111466	I	Ethylene glycol monoocetyl ether	002	V
Diethylene glycol dibutyl ether	112732	I	Ethylene glycol monophenyl ether	122996	I
Diethylene glycol diethyl ether	112367	I	Ethylene glycol monopropyl ether	2807309	I
Diethylene glycol dimethyl ether	111966	I	Ethylene oxide	75218	I
Diethylene glycol monobutyl ether acetate.	124174	I	Ethylenediamine	107153	II
Diethylene glycol monobutyl ether	112345	I	Ethylenediamine tetraacetic acid	60004	V
Diethylene glycol monoethyl ether acetate.	112152	I	Ethilenimine (Aziridine)	151564	II
Diethylene glycol monoethyl ether	111900	I	Ethylhexyl acrylate (2-isomer)	103117	II
Diethylene glycol monohexyl ether ...	112594	V	Fluoranthene	206440	V
Diethylene glycol monomethyl ether acetate.	629389	V	Formaldehyde	50000	I
Diethylene glycol monomethyl ether	111773	I	Formamide	75127	II
Diethylene glycol monomethyl ether (Resorcylic acid).	27138574	V	Formic acid	64186	II
Dimethylbenzidine (3,3')..	119937	II	Fumaric acid	110178	I
Dimethyl ether	115106	IV	Glutaraldehyde	111308	IV
Dimethylformamide (N,N-)	68122	II	Glyceraldehyde	367475	V
Dimethylhydrazine (1,1-).	57147	II	Glycerol	56815	II
Dimethyl sulfate	77781	I	Glycine	56406	II
Dimethyl terephthalate	120616	II	Glyoxal	107222	II
Dimethylamine	124403	IV	Hexachlorobenzene	118741	II
Dimethylaminooethanol (2-)	108010	I	Hexachlorobutadiene	87683	II
Dimethylaniline (N,N'')	121697	III	Hexachloroethane	67721	II
Dinitrobenzenes (NOS) ^c	25154545	I	Hexadiene (1,4-)	592450	II
Dinitrophenol (2,4-)	51285	III	Hexamethylene-tetramine	100970	I
Dinitrotoluene (2,4-)	121142	III	Hexane	110543	V
Dioxane (1,4-) (1,4-Diethyleneoxide)	1239	II	Hexanetriol (1,2,6-)	106694	IV
Dioxolane (1,3-)	646060	I	Hydroquinone	123319	I
Diphenyl methane	101815	I	Hydroxyadipaldehyde	141311	V
Diphenyl oxide	101848	I	Isobutyl acrylate	106638	V
Diphenyl thiourea	102089	III	Isobutylene	115117	V
Diphenylamine	122394	III	Isophorone	78591	IV
Dipropylene glycol	110985	I	Isophorone nitrile	0017	V
Di-o-tolyguanidine	97392	III	Isophthalic acid	121915	III
Dodecanedioic acid	693232	I	Isopropylphenol	25168063	III
Dodecyl benzene (branched)	123013	V	Linear alkylbenzene	d	I
Dodecyl phenol (branched)	121158585	V	Maleic anhydride	108316	I
Dodecylaniline	28675174	V	Maleic hydrazide	123331	I
Dodecylbenzene (n-)	121013	I	Malic acid	6915157	I
Dodecylphenol	27193868	III	Metanilic acid	121471	I
Epichlorohydrin (1-chloro-2,3-epoxypropane).	106898	I	Methacrylic acid	79414	V
Ethanolamine	141435	I	Methanol	67561	IV
Ethyl acrylate	140885	II	Methionine	63683	I
Ethylbenzene	100414	I	Methyl acetate	79209	IV
Ethyl chloride (Chloroethane)	75003	IV	Methyl acrylate	96333	V
Ethyl chloroacetate	105395	II	Methyl bromide (Bromomethane)	74839	IV
Ethylamine	75047	V	Methyl chloride (Chloromethane)	74873	IV
Ethylaniline (N-)	103695	III	Methyl ethyl ketone (2-butanone)	78933	V
Ethylaniline (o-)	578541	III	Methyl formate	107313	II
Ethylcellulose	9004573	V	Methyl hydrazine	60344	IV
Ethylcyanoacetate	105566	V	Methyl isobutyl carbinol	108112	IV
Ethylene carbonate	96491	I	Methyl isobutyl ketone (Hexone)	108101	IV
			Methyl isocyanate	624839	IV
			Methyl mercaptan	74931	IV
			Methyl methacrylate	80626	IV
			Methyl phenyl carbinol	98851	II

Environmental Protection Agency
Pt. 63, Subpt. F, Table 1

Chemical name ^a	CAS No. ^b	Group	Chemical name ^a	CAS No. ^b	Group
Methyl tert-butyl ether	1634044	V	p-tert-Butyl toluene	98511	III
Methylamine	74895	IV	Quinone	106514	III
Methylaniline (N-)	100618	III	Resorcinol	108463	I
Methylcyclohexane	108872	III	Salicylic acid	69727	III
Methylcyclohexanol	25639423	V	Sodium methoxide	124414	IV
Methylcyclohexanone	1331222	III	Sodium phenate	139026	III
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
Methylenones (a-)	79696	V	Sulfanic 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 (c-)	88744	I	Tetrahydروphthalic anhydride	85438	II
Nitroanisole (o-)	91236	III	Tetramethylene-diamine.	110601	II
Nitroanisole (p-)	100174	III	Tetramethylmethylenediamine	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
Paraformaldehyde	30525894	I	Trichlorofluoromethane	75694	I
Paraldehyde	123637	II	Trichlorophenol	95954	I
Pentachlorophenol	87865	III	(2,4,5-).		
Pentaerythritol	115775	I	(1,1,2-) Trichloro (1,2,2-) trifluoroethane.	76131	I
Peracetic acid	79210	II	Triethanolamine	102716	I
Perchloromethyl mercaptan	594423	IV	Triethylamine	121448	IV
Phenanthren	85018	V	Triethylene glycol	112276	I
Phenetidine (p-)	156434	III	Triethylene glycol dimethyl ether.	112492	I
Phenol	108952	III	Triethylene glycol monoethyl ether ...	112505	V
Phenolphthalein	77098	III	Triethylene glycol monomethyl ether	112356	I
Phenolsulfonic acids (all isomers)	1333397	III	Trimethylamine	75503	IV
Phenyl anthranilic acid (all isomers)	91407	III	Trimethylcyclohexanol	933482	IV
Phenylenediamine (p-)	106503	I	Trimethylcyclohexane	2408379	IV
Phloroglucinol	108736	III	Trimethylcyclohexane.	34216347	V
Phosgene	75445	IV	Trimethylcyclohexane.	77996	I
Phthalic acid	88993	III	Trimethylolpropane	540841	V
Phthalic anhydride	85449	III	Trimethylpentane (2,2,4-)	24800440	V
Phthalimide	85416	III	Tripropylene glycol	108054	II
Phthalonitrile	91156	III	Vinyl acetate	75014	I
Picoline (b-)	108996	II	Vinyl chloride (Chloroethylene)	25013154	III
Piperazine	110850	I	Vinyl toluene	100403	II
Propiolactone (beta-)	57578	I	Vinylcyclohexene (4-)	75354	II
Propionaldehyde	123386	IV	Vinyldiene chloride		
Propionic acid	79094	I			
Propylene carbonate	108327	V			
Propylene dichloride (1,2-dichloropropane).	78875	IV			
Propylene glycol	57556	I			
Propylene glycol monomethyl ether ..	107982	I			
Propylene oxide	75569	I			
Pyrene	129000	V			
Pyridine	110861	II			

Pt. 63, Subpt. F, Table 2

Chemical name ^a	CAS No. ^b	Group
(1,1-dichloroethylene).		
Vinyl(N-)pyrrolidone(2-)	88120	V
Xanthates	140896	V
Xylene sulfonic acid	25321419	III
Xylenes (NOS) ^c	1330207	I
Xylene (m-)	108383	I
Xylene (o-)	95476	I
Xylene (p-)	106423	I
Xylenols (Mixed)	1300716	V
Xylylene	1300738	III

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

^bCAS Number = Chemical Abstract Service number.

^cNOS = not otherwise specified.

^dNo 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
Chloroforn	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
Dichloroethyl ether (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

40 CFR Ch. I (7-1-04 Edition)

Chemical name ^{a,b}	CAS No. ^c
Dimethylformamide (N,N-)	68122
Dimethylhydrazine (1,1-)	58147
Dimethylphthalate	131113
Dimethylsulfate	77781
Dinitrophenol (2,4-)	51285
Dinitrotoluene (2,4-)	121142
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
Ethyldiene 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 ethyl ketone (2-Butanone)	78933
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
Methyleneedianiline (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

Environmental Protection Agency

Pt. 63, Subpt. F, Table 3

Chemical name ^{a,b}	CAS No. ^c
Trichloroethylene	79016
Trichlorophenol (2,4,5-)	95954
Triethylamine	121448
Trimethylpentane (2,2,4-)	540841
Vinyl acetate	108054
Vinyl chloride (Chloroethylene)	75014
Vinyldiene chloride (1,1-Dichloroethylene)	75354
Xylenes (NOS)	1330207
Xylene (m-)	108383
Xylene (o-)	95476
Xylene (p-)	106423

^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.

^c CAS No.=Chemical Abstract Service number.

^d Includes mono- and di- ethers of ethylene glycol, diethylene glycol, and triethylene glycol R-(OCH₂)_nCH_{2n}-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)_nCH_{2n}-OH

Polymers are excluded from the glycol category.

[62 FR 2735, Jan. 17, 1997]

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

Reference	Applies to sub-parts 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."
63.3	No	Units of measure are spelled out in subparts F, G, and H.
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.	

Pt. 63, Subpt. F, Table 3

40 CFR Ch. I (7-1-04 Edition)

Reference	Applies to subparts F, G, and H	Comment
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.	
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 This is addressed by § 63.102(a)(4) of subpart F.
63.6(e)(1)(i)	No	
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. This is addressed by § 63.102(a)(4).
63.6(e)(3)(i)(A)	No	
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)(vii)	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). 63.6(f)(2)(iii)(D)	Yes.	
63.6(f)(2)(iv)	No.	
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.	

Environmental Protection Agency
Pt. 63, Subpt. F, Table 3

Reference	Applies to sub-parts F, G, and H	Comment
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.	
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.	

Pt. 63, Subpt. F, Table 4

40 CFR Ch. I (7-1-04 Edition)

Reference	Applies to sub-parts F, G, and H	Comment
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.	
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]

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 monobutyl ether	111762
Acetonitrile	75058	Ethylene glycol monobutyl ether acetate	112072
Acetophenone	98862	Ethylene glycol monoethyl ether acetate	111159
Acrolein	107028	Ethylene glycol monoethyl ether	110805
Acrylonitrile	107131	Ethylene glycol monomethyl ether	109864
Allyl chloride	107051	Ethylene glycol monomethyl ether acetate	110496
Aniline	62533	Ethylene glycol monopropyl ether	2807309
Anisidine (o-)	90040	Ethylene oxide	75218
Benzene	71432	Ethyldiene dichloride (1,1-Dichloroethane)	75343
Benzyl chloride	100447	Formaldehyde	50000
Biphenyl	92524	Hexachlorobenzene	118741
Bromoform	75252	Hexachlorobutadiene	87683
Butadiene (1,3-)	106990	Hexachloroethane	67721
Carbon disulfide	75150	Hexane	110543
Carbon tetrachloride	56235	Isophorone	78591
Chloroacetophenone (2-)	532274	Methanol	67561
Chlorobenzene	108907	Methyl bromide (Bromomethane)	74839
2-Chloro-1,3-butadiene (Chloroprene)	126998	Methyl chloride (Chloromethane)	74873
Chloroform	67663	Methyl ethyl ketone (2-Butanone)	78933
Cresol and cresylic acid (o-)	95487	Methyl hydrazine	60344
Cresol and cresylic acid (m-)	108394	Methyl isobutyl ketone (Hexone)	108101
Cresol and cresylic acid (p-)	106445	Methyl methacrylate	80626
Cumene	98828	Methyl tert-butyl ether	1634044
Dichlorobenzene (p-)	106467	Methylene chloride (Dichloromethane)	75092
Dichlorobenzidine (3,3')	91941	Methylenedianiline (4,4")	101779
Dichloroethane (1,2-) (Ethylene dichloride) (EDC)	107062	Naphthalene	91203
Dichloroethyl ether (Bis(2-chloroethyl)ether)	111444	Nitrobenzene	98953
Dichloropropene (1,3-)	542756	Nitropropane (2-)	79469
Diethylene glycol diethyl ether	112367	Phenol	108952
Diethylene glycol dimethyl ether	111966	Phenylenediamine (p-)	106503
Diethyl sulfate	64675	Phosgene	75445
Dimethylaniline (N,N-)	121697	Propionaldehyde	123386
Dimethylhydrazine (1,1-)	57147	Propylene dichloride (1,2-Dichloropropane)	78875
Dimethyl phthalate	131113	Propylene oxide	75569
Dimethyl sulfate	77781	Quinone	106514
Dinitrophenol (2,4-)	51285	Styrene	100425
Dinitrotoluene (2,4-)	121142	Tetrachloroethane (1,1,2,2-)	79345
Dioxane (1,4-) (1,4-Diethyleneoxide)	123911	Trichloroethylene (Perchloroethylene)	127184
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106898	Toluene	108883
Ethyl acrylate	140885	Tolidine (o-)	95534
Ethylbenzene	100414	Trichlorobenzene (1,2,4-)	120821
Ethyl chloride (Chloroethane)	75003	Trichloroethane (1,1,1-) (Methyl chloroform)	71556
Ethylene dibromide (Dibromoethane)	106934	Trichloroethane (1,1,2-) (Vinyl trichloride)	79005
Ethylene glycol dimethyl ether	110714	Trichloroethylene	79016
		Trichlorophenol (2,4,5-)	95954
		Triethylamine	121448
		Trimethylpentane (2,2,4-)	540841
		Vinyl acetate	108054
		Vinyl chloride (chloroethylene)	75014
		Vinyldene chloride (1,1-Dichloroethylene)	75354

Environmental Protection Agency**§ 63.110**

Chemical name	CAS Number ^a
Xylene (m-)	108383
Xylene (o-)	95476
Xylene (p-)	106423

^aCAS Number=Chemical Abstract Service number.

[62 FR 2740, Jan. 17, 1997]

Subpart G—National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater

SOURCE: 59 FR 19468, Apr. 22, 1994, unless otherwise noted.

§ 63.110 Applicability.

(a) This subpart applies to all process vents, storage vessels, transfer racks, wastewater streams, and in-process equipment subject to § 63.149 within a source subject to subpart F of this part.

(b) *Overlap with other regulations for storage vessels.* (1) After the compliance dates specified in § 63.100 of subpart F of this part, a Group 1 or Group 2 storage vessel that is also subject to the provisions of 40 CFR part 60, subpart Kb is required to comply only with the provisions of this subpart.

(2) After the compliance dates specified in § 63.100 of subpart F of this part, a Group 1 storage vessel that is also subject to the provisions of 40 CFR part 61, subpart Y is required to comply only with the provisions of this subpart.

(3) After the compliance dates specified in § 63.100 of subpart F of this part, a Group 2 storage vessel that is also subject to the provisions of 40 CFR part 61, subpart Y is required to comply only with the provisions of 40 CFR part 61, subpart Y. The recordkeeping and reporting requirements of 40 CFR part 61, subpart Y will be accepted as compliance with the recordkeeping and reporting requirements of this subpart.

(c) *Overlap with other regulations for transfer racks.* (1) After the compliance dates specified in § 63.100 of subpart F of this part, a Group 1 transfer rack

that is also subject to the provisions of 40 CFR part 61, subpart BB is required to comply only with the provisions of this subpart.

(2) After the compliance dates specified in § 63.100 of subpart F of this part, a Group 2 transfer rack that is also subject to the provisions of 40 CFR part 61, subpart BB is required to comply with the provisions of either paragraph (c)(2)(i) or (c)(2)(ii) of this subpart.

(i) If the transfer rack is subject to the control requirements specified in § 61.302 of 40 CFR part 61, subpart BB, then the transfer rack is required to comply with the control requirements of § 61.302 of 40 CFR part 61, subpart BB. The owner or operator may elect to comply with either the associated testing, monitoring, reporting, and recordkeeping requirements of 40 CFR part 61, subpart BB or with the testing, monitoring, recordkeeping, and reporting requirements specified in this subpart for Group 1 transfer racks. The owner or operator shall indicate this decision in either the Notification of Compliance Status specified in § 63.152(b) of this subpart or in an operating permit application or amendment.

(ii) If the transfer rack is subject only to reporting and recordkeeping requirements under 40 CFR part 61, subpart BB, then the transfer rack is required to comply only with the reporting and recordkeeping requirements specified in this subpart for Group 2 transfer racks and is exempt from the reporting and recordkeeping requirements in 40 CFR part 61, subpart BB.

(d) *Overlap with other regulations for process vents.* (1) After the compliance dates specified in § 63.100 of subpart F of this part, a Group 1 process vent that is also subject to the provisions of 40 CFR part 60, subpart III is required to comply only with the provisions of this subpart.

(2) After the compliance dates specified in § 63.100 of subpart F of this part, the owner or operator of a Group 2 process vent that is also subject to the provisions of 40 CFR part 60, subpart III shall determine requirements according to paragraphs (d)(2)(i) and (d)(2)(ii) of this section.

(i) If the Group 2 process vent has a TRE value less than 1 as determined by