

APPENDIX A-I

**SUBSTANCES FOR WHICH
EMISSIONS MUST BE QUANTIFIED**

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
30560191	Acephate	11/20	ChemSet-2		0.5	7	[19]
105577	Acetal	11/20	ChemSet-2		100	7	
75070	Acetaldehyde		e	c	20	1 2 3 4	
60355	Acetamide		e	c	2	1 2 3 4	
64197	Acetic acid	11/20	ChemSet-2		100	7	
108247	Acetic anhydride	11/20	ChemSet-2		100	7	
102012	Acetoacetanilide	11/20	ChemSet-2		100	7	
75058	Acetonitrile	06/91	e		200	1 2	
98862	Acetophenone	06/91	e		100	1 2	
53963	2-Acetylaminofluorene [PAH-Derivative/Related, POM]		e	c	100	1 2 4 5	
107028	Acrolein		e		0.05	1 2	
79061	Acrylamide		e	c	0.01	1 2 3 4	
79107	Acrylic acid	06/91	e		5	1 2	
107131	Acrylonitrile		e	c	0.1	1 2 3 4 5	
--	Acrylonitrile-butadiene-styrene copolymers (must report the individual monomer components)	11/20	-		10	7	
124049	Adipic acid	11/20	ChemSet-2		100	7	
111693	Adiponitrile	11/20	ChemSet-2		100	7	
116063	Aldicarb	11/20	ChemSet-2		1	7	[19]
106956	Allyl bromide	11/20	ChemSet-2		100	7	
107051	Allyl chloride		e	c	5	1 2 4	
109751	Allyl cyanide	11/20	ChemSet-2		0.05	7	
57067	Allyl isothiocyanate	11/20	ChemSet-2		5	7	
2835394	Allyl isovalerate	11/20	ChemSet-2		100	7	
96059	Allyl methacrylate	11/20	ChemSet-2		100	7	
2179591	Allyl propyl disulfide	11/20	ChemSet-2		100	7	
7429905	Aluminum	06/91	e		100	1	
1344281	Aluminum oxide (fibrous forms)	06/91	e		100	7	
117793	2-Aminoanthraquinone [PAH-Derivative/Related, POM]		e	c	5	1 2 4 5	
92671	4-Aminobiphenyl [POM]		e	c	100	1 2 3 4 5	
95852	2-Amino-4-chlorophenol	11/20	ChemSet-2	c	50	3 4	
81492	1-Amino-2,4-dibromoanthraquinone [PAH-Derivative/Related, POM]	11/20	ChemSet-1	c	0.5	3 4 5	
77094112	2-Amino-3,4-dimethylimidazo[4,5-f]quinoline	11/20	ChemSet-2	c	50	3 4	
77500040	2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline	11/20	ChemSet-2	c	50	3 4	
153786	2-Aminofluorene [PAH-Derivative/Related, POM]	11/20	ChemSet-1	c	0.5	4	
99570	2-Amino-4-nitrophenol	11/20	ChemSet-2		100	7	
121880	2-Amino-5-nitrophenol	11/20	ChemSet-2		100	7	
119346	4-Amino-2-nitrophenol	11/20	ChemSet-2	c	50	4	
33089611	Amitraz	11/20	ChemSet-2		0.1	4	[19]
61825	Amitrole		e	c	0.1	4 5	
7664417	Ammonia		e		200	1 2	
12125029	Ammonium chloride	11/20	ChemSet-2		100	7	
6484522	Ammonium nitrate	06/91	e		100	1	
7783202	Ammonium sulfate	06/91	e		100	1	

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994058	tert-Amyl methyl ether	11/20	ChemSet-2		100	4	
62533	Aniline	09/90	e	c	5	1 2 3 4	
142041	Aniline hydrochloride	11/20	ChemSet-1	c	5	3 4	7
90040	o-Anisidine		e	c	100	1 2 3 4 5	
191264	Anthanthrene [PAH, POM] (see PAH)	11/20	(see cross-ref)		0.5		7
	- Anthracene [PAH, POM], (see PAH)		e		50	1 2	7
90640805	Anthracene oil	11/20	ChemSet-2		100		7
90640816	Anthracene oil, anthracene paste	11/20	ChemSet-2		100		7
91995152	Anthracene oil, anthracene paste, anthracene fraction	11/20	ChemSet-2		100		7
91995174	Anthracene oil, anthracene paste, distillation lights	11/20	ChemSet-2		100		7
90640827	Anthracene oil, anthracene-low	11/20	ChemSet-2		100		7
118923	Anthranilic acid	11/20	ChemSet-2		100		7
84651	Anthraquinone [PAH-Derivative/Related, POM]	11/20	ChemSet-2	c	0.5	3 4	
7440360	Antimony	06/91	e		1		7
	* Antimony compounds including but not limited to:	06/91	e		1	1 2	[7]
1309644	Antimony trioxide {Antimony oxide}	09/90	e	c	1	1 2 3 4	[7]
1314609	Antimony trioxide {Antimony oxide} (alt. CAS, see CAS 1309644)	11/20	e	c	1	1 2 3 4	[7] [21]
1345046	Antimony trisulfide	11/20	ExistGrp		1		7 [7]
7803523	Stibine {Antimony hydride}	11/20	ChemSet-2		1	1 2 3 4	7 [7]
24938645	p-Aramid fibrils	11/20	ChemSet-2		100		7
7440382	Arsenic		e	c	0.01	1 2 3 4 5	
	1016 Arsenic compounds (inorganic) including but not limited to:		e	c	0.01	1 2 3 4 5	[7]
7784421	Arsine		e	c	0.01	1 2 3	7 [7]
7778394	Arsenic acid	11/20	ExistGrp	c	0.01	3	7 [7] [19]
	* Arsenic (inorganic oxides)	11/20	ExistGrp	c	0.01	3 4	[7]
1303282	Arsenic pentoxide	11/20	ExistGrp	c	0.01	3 4	7 [7] [19]
1327533	Arsenic trioxide	11/20	ExistGrp	c	0.01	3 4	7 [7] [19]
7778441	Calcium arsenate	11/20	ExistGrp	c	0.01	3	7 [7]
1303000	Gallium arsenide	11/20	ExistGrp	c	0.01	3 4	[7]
	1017 Arsenic compounds (other than inorganic)	06/91	e		0.1	1	[7]
75605	Cacodylic acid {Dimethylarsinic acid}	11/20	ExistGrp	c	0.1	3	[7]
124583	Methylarsonic acid	11/20	ExistGrp	c	0.1	3	[7] [19]
	- Asbestos (all forms; see Mineral fibers)		e				
1912249	Atrazine	11/20	ChemSet-2		20	4	[19]
86500	Azinphosmethyl	11/20	ChemSet-2		100		7 [19]
131860338	Azoxystrobin	11/20	ChemSet-2		100		7
7440393	Barium	06/91	e		1		7
	* Barium Compounds	06/91	e		1	1	[7]
7727437	Barium sulfate	11/20	ExistGrp		1	1	7
22781233	Bendiocarb	11/20	ChemSet-2		50		7
17804352	Benomyl	11/20	ChemSet-2		0.01	4	[19]
741582	Bensulfide	11/20	ChemSet-2		100		7 [19]
100527	Benzaldehyde	11/20	ChemSet-2		100		7
	- Benz[a]anthracene [PAH, POM], (see PAH)		e	c	0.5	1 2 3 4 5	

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2498660	Benz[a]anthracene-7,12-dione [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
82053	Benzo[a]anthracene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
71432	Benzene		e	c	2	1 2 3 4 5	
91156	1,2-Benzenedicarbonitrile (see Phthalonitrile)	11/20	(see cross-ref)		100		7
98113	Benzenesulfonic acid	11/20	ChemSet-2		100		7
108985	Benzenethiol	11/20	ChemSet-2		100		7
92875	Benzidine (and its salts) [POM]		e	c	0.0001	1 2 3 4 5	
1020	Benzidine-based dyes [POM] including but not limited to:		e	c	0.0001	1 2 3 4	
28407376	C.I. Direct Blue 218 [PAH-Derivative/Related, POM]	11/20	ChemSet-1	c	0.0001	4	
612828	3,3'-Dimethylbenzidine dihydrochloride	11/20	ChemSet-1	c	0.0001	4	
1937377	Direct Black 38 [PAH-Derivative/Related, POM]		e	c	0.0001	1 2 4 5	
2602462	Direct Blue 6 [PAH-Derivative/Related, POM]		e	c	0.0001	1 2 4 5	
16071866	Direct Brown 95 (technical grade) [POM]	09/89	e	c	0.0001	1 2 4	
214175	Benzo[b]chrysene [PAH, POM] (see PAH)	11/20	(see cross-ref)		0.5		7
	- Benzo[b]fluoranthene [PAH, POM], (see PAH)		e	c	0.5	1 2 3 4 5	
203123	Benzo[g,h,i]fluoranthene [PAH, POM] (see PAH)	11/20	(see cross-ref)		0.5		7
	- Benzo[j]fluoranthene [PAH, POM] (see PAH)		e	c	0.5	1 2 3 4 5	
	- Benzo[k]fluoranthene [PAH, POM] (see PAH)		e	c	0.5	1 2 3 4 5	
271896	Benzofuran	06/91	e	c	100	3 4	
98077	Benzoic trichloride {Benzotrachloride}		e	c	10	1 2 4 5	
100470	Benzonitrile	11/20	ChemSet-2		100		7
119619	Benzophenone	11/20	ChemSet-1	c	2	3 4	7
131577	Benzophenone-3 {BP3} {Oxybenzone}	11/20	ChemSet-2		100		7
	- Benzo[a]pyrene [PAH, POM], (see PAH)		e	c	0.05	1 2 3 4 5	
105113	p-Benzoquinone dioxime	11/20	ChemSet-2		100		7
98884	Benzoyl chloride	06/91	e	c	50	1 3	
94360	Benzoyl peroxide	06/91	e		100		7
100516	Benzyl alcohol	11/20	ChemSet-2		100		6 7
100447	Benzyl chloride		e	c	1	1 2 3 4	
7440417	Beryllium		e	c	0.001	1 2 3 4 5	
	* Beryllium compounds including but not limited to:	09/89	e	c	0.001	1 2 3 4 5	[7]
13510491	Beryllium sulfate	11/20	ExistGrp	c	0.001	3 4	[7]
7787566	Beryllium sulfate (tetrahydrate)	11/20	ExistGrp	c	0.001	3 4	[7]
1304569	Beryllium oxide	11/20	ExistGrp	c	0.001	3 4	[7]
82657043	Bifenthrin	11/20	ChemSet-2		0.05		7 [19]
92524	Biphenyl [POM]	06/91	e		0.5	1 2	
3296900	2,2-Bis(bromomethyl)propane-1,3-diol (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)	c	50	3 4 5	
111444	Bis(2-chloroethyl) ether {DCEE}	09/89	e	c	0.05	1 2 4	[19]
39638329	Bis(2-chloroisopropyl) ether	11/20	ChemSet-2		0.05		7
542881	Bis(chloromethyl) ether		e	c	0.001	1 2 3 4 5	
108601	Bis(2-chloro-1-methylethyl) ether {BCMEE}	06/91	ChemSet-1	c	50	4	7
	Bis(2-chloro-1-methylethyl) ether, Technical grade: mixture of CAS 108601 and 83270319						
	- (see Bis(2-Chloro-1-methylethyl)ether)	11/20	(see cross-ref)	c	50	4	7
2386905	Bis(2,3-epoxycyclopentyl) ether	11/20	ChemSet-2		100		7

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103231	Bis(2-ethylhexyl) adipate	06/91	e		100	1	
80057	Bisphenol A {BPA}	11/20	ChemSet-2		100	1 2	6
1675543	Bisphenol A diglycidyl ether {BADGE} {Araldite}	11/20	ChemSet-2		100		6
1478611	Bisphenol AF {BPAF} {Hexafluorobisphenol A}	11/20	ChemSet-2		100		7
77407	Bisphenol B {BPB}	11/20	ChemSet-2		100		7
620928	Bisphenol F {BPF}	11/20	ChemSet-2		100		7
2095036	Bisphenol F diglycidyl ether {BFDGE}	11/20	ChemSet-2		100		7
80091	Bisphenol S {BPS}	11/20	ChemSet-2		100		7
56359	Bis(tributyltin) oxide {TBTO}	11/20	ChemSet-2		5		7
1303862	Boron oxide	11/20	ChemSet-2		100		7 [19]
10294334	Boron tribromide	11/20	ChemSet-2		100		7
10294345	Boron trichloride	11/20	ChemSet-2		100		7
	-- Boron trifluoride complexes including but not limited to:	11/20	ChemSet-2		100		6
7637072	Boron trifluoride	11/20	ChemSet-2		100		6
13319750	Boron trifluoride dihydrate	11/20	ChemSet-2		100		6
109637	Boron trifluoride ethers	11/20	ChemSet-2		100		7
353424	Boron trifluoride ethers (alt. CAS, see CAS 109637)	11/20	(see cross-ref)		100		7
314409	Bromacil	11/20	ChemSet-2		100		7
53404196	Bromacil lithium salt	11/20	ChemSet-2		100	4	[19]
	-- Brominated and Chlorinated Organic Compounds used as Flame Retardants:	11/20	-		100		7
3278895	Allyl 2,4,6-tribromophenyl ether {ATE}	11/20	ChemSet-2		100		7
3296900	2,2-Bis(bromomethyl)-1,3-propanediol	11/20	ChemSet-2	c	50	3 4 5	
38051104	2,2-Bis(chloromethyl)trimethylene bis[bis(2-chloroethyl)phosphate]	11/20	ChemSet-2		100		7
26040517	Bis(2-ethyl-1-hexyl)tetrabromophthalate {TBPH}	11/20	ChemSet-2		100		7
13560899	Bis(hexachlorocyclopentadieno)cyclooctane	11/20	ChemSet-2		100		7
37853591	1,2-Bis(2,4,6-tribromophenoxy)ethane {BTBPE}	11/20	ChemSet-2		100		7
1042	Brominated Polystyrenes	11/20	ChemSet-2		50		7
99717563	2-Bromoallyl 2,4,6-tribromophenyl ether {BATE}	11/20	ChemSet-2		100		7
115286	Chlorendic acid	09/89	e	c	50	3 4 5	
108171262	Chlorinated paraffins (see Chlorinated Paraffins: average chain length, C12; approximately 60% Chlorine by weight) (This includes C10-13, chloro Short Chain Chlorinated Paraffins)	11/20	e	c	2	3 4 5	
84852539	Decabromodiphenyl ethane {DBDPE}	11/20	ChemSet-1		1		7
1163195	Decabromodiphenyl ether (see Polybrominated diphenyl ethers: Decabromodiphenyl oxide)	11/20	(see cross-ref)		1	1 2	
3322938	1,2-Dibromo-4-(1,2-dibromoethyl)cyclohexane {TBECH}	11/20	ChemSet-2		100		7
615587	2,4-Dibromophenol	11/20	ChemSet-2		100		7
35109605	2,3-Dibromopropyl-2,4,6-tribromophenyl ether {DPTE}	11/20	ChemSet-2		100		7
183658277	2-Ethyl-1-hexyl-2,3,4,5-tetrabromobenzoate {TBB}	11/20	ChemSet-2		100		7
860302336	Firemaster® 550	11/20	ChemSet-2		100		7
87821	Hexabromobenzene {HBB}	11/20	ChemSet-2		10		7
59080409	2,2',4,4',5,5'-Hexabromobiphenyl	11/20	ChemSet-2		10		5
67774327	Hexabromobiphenyl mixture including Firemaster FF-1	11/20	ChemSet-2		10		5
36355018	Hexabromobiphenyls	11/20	ChemSet-2		10		5
25637994	Hexabromocyclododecane {HBCD}	11/20	ChemSet-1		100		7
51936551	Hexachlorocyclopentadienyl-dibromocyclooctane	11/20	ChemSet-2		100		7
20566352	2-Hydroxypropyl 2-(2-hydroxyethyl)ethyl tetrabromophthalate	11/20	ChemSet-2		100		7 [21]

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203210699	2-Hydroxypropyl 2-(2-hydroxyethyl)ethyl tetrabromophthalate (alt. CAS No. 1, see CAS 20566352)	11/20	(see cross-ref)		100	7	[21]
1150314503	2-Hydroxypropyl 2-(2-hydroxyethyl)ethyl tetrabromophthalate (alt. CAS No. 2, see CAS 20566352)	11/20	(see cross-ref)		100	7	[21]
1429904277	2-Hydroxypropyl 2-(2-hydroxyethyl)ethyl tetrabromophthalate (alt. CAS No. 3, see CAS 20566352)	11/20	(see cross-ref)		100	7	[21]
1121	Isobutoxypentabromocyclododecanes {iBPBCDs}	11/20	ChemSet-2		100	7	
155613937	Octabromotrimethylphenylindane {OBIND}	11/20	ChemSet-2		100	7	
-	PBDEs (see Polybrominated diphenyl ethers)	11/20	(see cross-ref)		1	7	
85223	Pentabromoethylbenzene {PBEB}	11/20	ChemSet-2		100	7	
608719	Pentabromophenol {PBP}	11/20	ChemSet-2		100	7	
87832	Pentabromotoluene {PBT}	11/20	ChemSet-2		100	7	
42757551	1,1'-Sulfonylbis[3,5-dibromo-4-(2,3- dibromopropoxy)benzene]	11/20	ChemSet-2		100	7	
79947	Tetrabromobisphenol A {TBBPA}	11/20	ChemSet-1	c	50	3 4	
21850442	Tetrabromobisphenol A bis(2,3-dibromopropyl) ether {TBBPA-DBPE}	11/20	ChemSet-1		100	7	
4162452	Tetrabromobisphenol A bis(2-hydroxyethyl) ether	11/20	ChemSet-2		100	7	
25327893	Tetrabromobisphenol A diallyl ether	11/20	ChemSet-2		100	7	[21]
37769316	Tetrabromobisphenol A diallyl ether (alt. CAS, see CAS 25327893)	11/20	(see cross-ref)		100	7	[21]
77098078	Tetrabromophthalic acid, mixed esters	11/20	ChemSet-1		100	7	
75790691	Tetrabromophthalic acid, mixed esters (alt. CAS, see CAS 77098078)	11/20	(see cross-ref)		100	7	[21]
23488382	2,3,5,6-Tetrabromo-p-xylene	11/20	ChemSet-2		100	7	
36483575	Tribromoneopentylalcohol	11/20	ChemSet-2		100	7	
118796	2,4,6-Tribromophenol	11/20	ChemSet-1		100	7	
115968	Tris(2-chloroethyl) phosphate {TCEP}	11/20	(see cross-ref)	c	50	4	
13674845	Tris(1-chloro-2-propyl)phosphate {TCPP}	11/20	(see cross-ref)		100	7	[21]
1689320	Tris(1-chloro-2-propyl)phosphate {TCPP} (alt. CAS No. 1, see CAS 13674845)	11/20	(see cross-ref)		100	7	[21]
98112324	Tris(1-chloro-2-propyl)phosphate {TCPP} (alt. CAS No. 2, see CAS 13674845)	11/20	(see cross-ref)		100	7	[21]
52434909	Tris(2,3-dibromopropyl) isocyanurate	11/20	ChemSet-1		100	7	
126727	Tris(2,3-dibromopropyl) phosphate {TDBPP}	09/89	e	c	50	3 4	
13674878	Tris(1,3-dichloro-2-propyl) phosphate {TCDP} {TDCPP}	11/20	(see cross-ref)	c	10	4	
78433	Tris(2,3-dichloro-1-propyl) phosphate	11/20	ChemSet-2		100	7	
19186971	Tris(tribromoneopentyl)phosphate	11/20	ChemSet-2		100	7	
25713604	2,4,6-Tris(2,4,6-tribromophenoxy)-1,3,5-triazine	11/20	ChemSet-2		100	7	
56362017	2,4,6-Tris(2,4,6-tribromophenoxy)-1,3,5-triazine (alt. CAS No. 1, see CAS 25713604)	11/20	(see cross-ref)		100	7	[21]
157971545	2,4,6-Tris(2,4,6-tribromophenoxy)-1,3,5-triazine (alt. CAS No. 2, see CAS 25713604)	11/20	(see cross-ref)		100	7	[21]
136991021	2,4,6-Tris(2,4,6-tribromophenoxy)-1,3,5-triazine (alt. CAS No. 3, see CAS 25713604)	11/20	(see cross-ref)		100	7	[21]
7726956	Bromine		e		0.5	2	
	* Bromine compounds (inorganic) including but not limited to:		e		100	1 2	[7]
15541454	Bromate	11/20	ChemSet-1	c	50	4	
7789302	Bromine pentafluoride	11/06	e		100	7	
10035106	Hydrogen bromide	11/06	e		20	7	
7758012	Potassium bromate		e	c	0.1	1 3 4	[7]
108861	Bromobenzene	11/20	ChemSet-2		10	7	
5589968	Bromochloroacetic acid	11/20	ChemSet-1	c	50	3 4	
83463621	Bromochloroacetonitrile	11/20	ChemSet-1		100	7	
109706	1-Bromo-3-chloropropane	11/20	ChemSet-1	c	50	3	
71133147	Bromodichloroacetic acid	11/20	ChemSet-1	c	50	4	

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75274	Bromodichloromethane {BDCM}	11/20	ChemSet-1		100		7
74964	Ethyl bromide {Bromoethane}	11/20	ChemSet-1	c	50	4	
75252	Bromoform	06/91	e	c	100	1 2 4	
27497514	Bromonaphthalene	11/20	ChemSet-2		100		7
106945	1-Bromopropane (see n-Propyl Bromide)	11/20	(see cross-ref)	c	50	3 4 5 6	
75263	2-Bromopropane	11/20	ChemSet-2		100	4	
1689992	Bromoxynil octanoate	11/20	ChemSet-2		100	4	[19]
106990	1,3-Butadiene		e	c	0.1	1 2 3 4 5	
57018527	1-tert-Butoxypropan-2-ol (see Glycol Ethers: Propylene glycol t-butyl ether)	11/20	(see cross-ref)	c	50	3 6	
540885	t-Butyl acetate {TBAC}	11/06	e	c	50		7
141322	Butyl acrylate	06/91	e		100	1	
71363	n-Butyl alcohol	06/91	e		100	1	
78922	sec-Butyl alcohol	06/91	e		100	1	
75650	tert-Butyl alcohol	06/91	e		100	1	
85687	Butyl benzyl phthalate {BBP} {BzBP} (see Phthalates, ortho-Phthalates)	06/91	e		100	1 4	
1189851	tert-Butyl chromate(VI) (see Chromium, hexavalent (and compounds))	11/20	(see cross-ref)	c	0.001	1 2 4 5 7	
2426086	n-Butyl glycidyl ether {Butyl 2,3-epoxypropylether}	11/20	ChemSet-1	c	50	3 4 6	
75912	tert-Butyl hydroperoxide	11/20	ChemSet-2		100		7
81152	5-tert-Butyl-2,4,6-trinitro-m-xylene	11/20	ChemSet-2		100		7
98511	p-tert-Butyltoluene	11/20	ChemSet-2		100		7
96480	gamma-Butyrolactone	11/20	ChemSet-2		100		7
109740	n-Butyronitrile	11/20	ChemSet-2		100		7
7440439	Cadmium		e	c	0.01	1 2 3 4 5	
	* Cadmium compounds including but not limited to:		e	c	0.01	1 2 3 4 5	[7]
10108642	Cadmium chloride	11/20	ExistGrp	c	0.01	3 4	7 [7] [19]
141004	Cadmium succinate	11/20	ExistGrp	c	0.01	3 4	7 [7] [19]
95465999	Cadusafos	11/20	ChemSet-2		0.5		7 [19]
156627	Calcium cyanamide	06/91	e		100	1 2	
1305788	Calcium oxide	11/20	ChemSet-2		100		7
1046	Cannabis (Marijuana) smoke	11/20	ChemSet-2	c	50	4	
1047	Cannabis (Marijuana) vaping vapor	11/20	ChemSet-2		100	4	
105602	Caprolactam	06/91	e		100	1 2 4	
2425061	Captafol	09/89	e	c	100	3 4	
133062	Captan	09/90	e	c	100	1 2 4	
63252	Carbaryl [PAH-Derivative/Related, POM]	06/91	Chemset-1	c	100	1 2 4	
86748	Carbazole [PAH-Derivative/Related, POM]	11/20	ChemSet-1	c	5	3 4	
1563662	Carbofuran	11/20	ChemSet-2		50		7 [19]
1333864	Carbon black	11/20	ChemSet-2	c	50	3 4	
1050	Carbon black extracts		e	c	2	1 3 4	
75150	Carbon disulfide	09/89	e		200	1 2 4	
	-- Carbon nanotubes including but not limited to	11/20	-		50	3	
308068566	Carbon nanotubes, multiwalled, other than MWCNT-7	11/20	ChemSet-1	c	50	3	
56235	Carbon tetrachloride		e	c	1	1 2 3 4 5	
353504	Carbonyl fluoride	11/20	ChemSet-2		100		7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
463581	Carbonyl sulfide	06/91	e		100	1 2	
1055	Carrageenan (degraded)		e	c	100	3 4	
120809	Catechol	06/91	e	c	50	1 2 3 4	
7440451	Cerium and compounds	11/20	ChemSet-2		100		7 [7]
75876	Chloral	11/20	ChemSet-1	c	50	3 4	7
133904	Chloramben	06/91	e		100	1 2	
10599903	Chloramine	11/20	ChemSet-1		100		7
57749	Chlordane	09/89	e	c	10	1 2 3 4	
115286	Chlorendic acid (see also Brominated and Chlorinated Organic Compounds used as Flame Retardants)	09/89	e	c	50	3 4 5	
108171262	Chlorinated paraffins (average chain length, C12; approximately 60% Chlorine by weight; this includes C10-13, chloro Short Chain Chlorinated Paraffins; see also Brominated and Chlorinated Organic Compounds used as Flame Retardants)	09/89	e	c	2	3 4 5	
31242930	Chlorinated diphenyl oxide {Hexachlorodiphenyl ether}	11/20	ChemSet-2		10		7
7782505	Chlorine		e		0.5	1 2	
10049044	Chlorine dioxide	06/91	e		1	1	
7790912	Chlorine trifluoride	11/20	ChemSet-1		0.05		7
79118	Chloroacetic acid	06/91	e		100	1 2	
107142	Chloroacetonitrile	11/20	ChemSet-2		100		7
532274	2-Chloroacetophenone	06/91	e		0.1	1 2	
106478	p-Chloroaniline	07/96	e	c	50	3 4	7
20265967	p-Chloroaniline hydrochloride	11/20	ChemSet-1	c	50	4	
1058	Chlorobenzenes including but not limited to:	06/91	e		100	1	
108907	Chlorobenzene		e		200	1 2	
25321226	Dichlorobenzenes (mixed isomers) including:	06/91	e		100	1	7
95501	1,2-Dichlorobenzene	06/91	e		200	1	7
541731	1,3-Dichlorobenzene	06/91	e		100	1	7
106467	p-Dichlorobenzene {1,4-Dichlorobenzene}		e	c	5	1 2 3 4 5	
634662	1,2,3,4-Tetrachlorobenzene	11/20	ChemSet-2		100		7
95943	1,2,4,5-Tetrachlorobenzene	11/20	ChemSet-2		100		7
12408105	Tetrachlorobenzene (mixed isomers)	11/20	ChemSet-2		100		7
87616	1,2,3-Trichlorobenzene	11/20	ChemSet-2		100		7
120821	1,2,4-Trichlorobenzene	06/91	e		200	1 2	
510156	Chlorobenzilate [POM] {Ethyl-4,4'-dichlorobenzilate}	09/90	e	c	100	1 2 4	
98566	4-Chlorobenzotrifluoride {PCBTF} (see 1-Chloro-4-(trifluoromethyl)benzene)	11/20	(see cross-ref)	c	50	3	6
77439760	3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone	11/20	ChemSet-2	c	50	3 4	
67663	Chloroform		e	c	10	1 2 3 4 5	
1319864	Chloromethoxy Propyl Mercuric Acetamide	11/20	ChemSet-2		100		7 [19]
83270319	2-Chloro-1-methylethyl(2-chloropropyl) ether	11/20	ChemSet-1	c	50	4	7
107302	Chloromethyl methyl ether (technical grade)		e	c	100	1 2 3 4 5	
91587	2-Chloronaphthalene [PAH-Derivative/Related, POM]	11/20	ChemSet-1		0.5		7
--	Chloronitrobenzenes including but not limited to:	11/20	-		100		7
88733	1-Chloro-2-nitrobenzene {o-Chloronitrobenzene}	11/20	ChemSet-1	c	50	3 4	7
100005	1-Chloro-4-nitrobenzene {p-Chloronitrobenzene}	11/20	ChemSet-1	c	50	3 4	
89612	1,4-Dichloro-2-nitrobenzene	11/20	ChemSet-1	c	50	3 4	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
611063	2,4-Dichloro-1-nitrobenzene	11/20	ChemSet-1	c	50	3 4	
121733	m-Chloronitrobenzene {3-Chloronitrobenzene}	11/20	ChemSet-1		100		7
82688	Pentachloronitrobenzene {Quintobenzene}	06/91	e		100	1 2	
1060	Chlorophenols including but not limited to:		e	c	100	1 3	
95578	2-Chlorophenol	11/06	e		10	1 3	
108430	3-Chlorophenol {m-Chlorophenol}	11/20	ChemSet-2		100	1	
106489	4-Chlorophenol {p-Chlorophenol}	11/20	ChemSet-2		100	1	
120832	2,4-Dichlorophenol	06/91	e	c	100	1 3	7
583788	2,5-Dichlorophenol	11/20	ChemSet-2	c	100		7
87865	Pentachlorophenol	09/90	e	c	10	1 2 3 4	
25167833	Tetrachlorophenols including but not limited to:	11/06	e	c	10	3	7
58902	2,3,4,6-Tetrachlorophenol	07/96	e	c	100	1 3	7
95954	2,4,5-Trichlorophenol	06/91	e	c	100	1 2 3	
136323	2,4,5-Trichlorophenol sodium salt	11/20	ChemSet-2	c	100		7 [19]
88062	2,4,6-Trichlorophenol		e	c	2	1 2 3 4	
3380345	Triclosan {2,4,4'-Trichloro-2'-hydroxydiphenyl ether}	11/20	ChemSet-2	c	100	3	7
95830	4-Chloro-o-phenylenediamine		e	c	10	3 4 5	
76062	Chloropicrin		e		2		7
126998	Chloroprene		e	c	5	1 2 3 4	
598787	2-Chloropropionic acid	11/20	ChemSet-2		100	4	
78897	2-Chloroproponal	11/20	ChemSet-2		100		7
106434	p-Chlorotoluene	11/20	ChemSet-2		100		7
1897456	Chlorothalonil	09/89	e	c	50	3 4	
95794	5-Chloro-o-toluidine and its strong acid salts	11/20	ChemSet-1	c	0.5	4	
95692	p-Chloro-o-toluidine		e	c	0.5	3 4	
3165933	p-Chloro-o-toluidine Hydrochloride	11/20	ChemSet-1	c	0.5	4 5	
75729	Chlorotrifluoromethane {CFC-13}	11/20	ChemSet-2		100		7
98566	1-Chloro-4-(trifluoromethyl)benzene {PCBTF}	11/20	ChemSet-1	c	50	3 6	
2921882	Chlorpyrifos	11/20	ChemSet-2		20	4	[19]
1861321	Chlorthal-dimethyl	11/20	ChemSet-2		10		7 [19]
7440473	Chromium	06/91	e		0.001		7
	* Chromium compounds (other than hexavalent) including but not limited to:	06/91	e		0.001	1 2	[7]
16065831	Chromium (III) compounds including but not limited to:	11/20	ExistGrp		50		7 [7]
39345921	Chromium (III) chloride	11/20	ExistGrp		50		7 [7]
10101538	Chromium (III) sulfate	11/20	ExistGrp		50		7 [7]
18540299	Chromium, hexavalent (and compounds) including but not limited to:		e	c	0.0001	1 2 3 4 5	[7]
10294403	Barium chromate	06/91	e	c	0.001	1 2 4 5	[7]
1189851	tert-Butyl chromate(VI)	11/20	ChemSet-1	c	0.001	1 2 4 5	7 [7]
13765190	Calcium chromate	06/91	e	c	0.001	1 2 4 5	[7]
1333820	Chromium trioxide	06/91	e	c	0.0001	1 2 4 5	[7]
7758976	Lead chromate	06/91	e	c	0.001	1 2 4 5	[7]
10588019	Sodium dichromate	06/91	e	c	0.0001	1 2 4 5	[7]
7789062	Strontium chromate	06/91	e	c	0.001	1 2 4 5	[7]
	- Chrysene [PAH, POM], (see PAH)		e	c	5	1 2 3 4	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
28407376	C.I. Direct Blue 218 [PAH-Derivative/Related, POM] (see Benzidine-based dyes)	11/20	(see cross-ref)	c	0.0001	4	
1215	Coal dust	11/20	ChemSet-2		50		7
8007452	Coal tars	09/89	e	c	50	3 4 5	
7440484	Cobalt	06/91	e	c	0.01	3 4	7 [7]
	* Cobalt compounds	06/91	e	c	0.01	1 2 3	[7]
1216	Cobalt compounds, insoluble, including but not limited to:	11/20	ExistGrp	c	0.01	3	[7]
513791	Cobalt carbonate	11/20	ExistGrp	c	0.01	3	7 [7]
10210681	Cobalt carbonyl	11/20	ExistGrp	c	0.01	3	7 [7]
21041930	Cobalt hydroxide	11/20	ExistGrp	c	0.01	3	7 [7]
814891	Cobalt oxalate	11/20	ExistGrp	c	0.01	3	7 [7]
1307966	Cobalt [II] oxide	11/20	ExistGrp	c	0.01	3 4	[7]
1308061	Cobalt [III] oxide	11/20	ExistGrp	c	0.01	3	7 [7]
1317426	Cobalt sulfide	11/20	ExistGrp	c	0.01	3	7 [7]
1217	Cobalt sulfate and other soluble cobalt compounds, including but not limited to:	11/20	ExistGrp	c	0.1	3	[7]
71487	Cobalt acetate (tetrahydrate)	11/20	ExistGrp	c	0.5	3	7 [7]
7646799	Cobalt chloride (hexahydrate)	11/20	ExistGrp	c	0.5	3	7 [7]
16842038	Cobalt hydrocarbonyl	11/20	ExistGrp	c	0.5	3	7 [7]
10141056	Cobalt nitrate (hexahydrate)	11/20	ExistGrp	c	0.5	3	7 [7]
136527	Cobalt octoate	11/20	ExistGrp	c	0.5	3	7 [7]
10124433	Cobalt sulfate	11/20	ExistGrp	c	0.1	3 4	[7]
10026241	Cobalt sulfate (heptahydrate)	11/20	ExistGrp	c	0.5	3 4	7 [7]
12070121	Cobalt metal with tungsten carbide	11/20	ExistGrp	c	0.01	3	[7]
1066	Coke oven emissions		e	c	0.05	1 2 3 4 5	
7440508	Copper		e		0.1	2	
	* Copper compounds including but not limited to:	09/89	e		0.1	1 2	[7]
	* Copper fume (as Copper)	11/20	ExistGrp		0.1		7 [7]
1070	Creosotes		e	c	0.05	1 3 4	
8001589	Creosotes		e	c	0.05	1 3 4	
102501	meta-Cresidine	11/20	e		100		7
120718	p-Cresidine		e	c	1	3 4 5	
1319773	Cresols (mixtures of) {Cresylic acid} including:		e		5	1 2	
108394	m-Cresol	06/91	e		5	1 2	
95487	o-Cresol	06/91	e		5	1 2	
106445	p-Cresol	06/91	e		5	1 2	
4170303	Crotonaldehyde	07/96	e	c	50		7
98828	Cumene	06/91	e	c	50	1 2 3 4	
80159	Cumene hydroperoxide	06/91	e		100	1	
135206	Cupferron		e	c	0.5	3 4 5	
420042	Cyanamide {Hydrogen cyanamide}	11/20	ChemSet-2		100		7 [19]
1073	Cyanide compounds (inorganic) including but not limited to:	06/91	e		0.05	1 2	[8]
74908	Hydrogen cyanide {HCN} {Hydrocyanic acid}		e		10	2 4	[8]
341972314	Hydrogen cyanide {HCN} {Hydrocyanic acid} (alt. CAS No. 1, see CAS 74908)	11/20	e		100	2 4	[8] [21]
191234227	Hydrogen cyanide {HCN} {Hydrocyanic acid} (alt. CAS No. 2, see CAS 74908)	11/20	e		100	2 4	[8] [21]
592018	Calcium cyanide	11/20	ChemSet-2		0.05	2 4	[8]

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
151508	Potassium cyanide	11/20	ChemSet-2		0.05	4	[8]
143339	Sodium cyanide	11/20	ChemSet-2		0.05	4	[8]
372098	Cyanoacetic acid	11/20	ChemSet-2		100	7	
506774	Cyanogen chloride	11/20	ChemSet-2		0.1	7	
1134232	Cycloate	11/20	ChemSet-2		5	4	[19]
121824	Cyclonite	11/20	ChemSet-2		100	7	
	1074 Cyclosiloxanes, including but not limited to:	11/20	ChemSet-1		100	7	
541026	Decamethylcyclopentasiloxane {D5} {Decamethyl-1,3,5,7,9,2,4,6,8,10-pentaoxapentasiloxane}	11/20	ChemSet-1		100	6 7	
540976	Dodecamethylcyclohexasiloxane {D6}	11/20	ChemSet-1		100	7	
556672	Octamethylcyclotetrasiloxane {D4}	11/20	ChemSet-1		100	7	
294622	Cyclododecane	11/20	ChemSet-2		100	7	
110827	Cyclohexane	06/91	e		200	1	
1569693	Cyclohexanethiol	11/20	ChemSet-2		100	7	
108930	Cyclohexanol	07/96	e		200	7	
108941	Cyclohexanone	11/20	ChemSet-2		100	7	
66819	Cycloheximide		e		2	4 6	
29965977	Cyclooctadienes	11/20	ChemSet-2		100	7	
27208373	Cyclopenta[cd]pyrene [PAH] (see PAH)	11/20	(see cross-ref)	c	50	3 4	
50293	DDT {1,1,1-Trichloro-2,2-bis(p-chlorophenyl)ethane} {Clofenotane} [POM]		e	c	50	1 2 3 4 5	
17702419	Decaborane	11/20	ChemSet-1		20	7	
	Decabromodiphenyl oxide [POM] (see Polybrominated diphenyl ethers, see also Brominated Flame Retardants)	06/91	e		1	1 2	
91178	Decahydronaphthalene	11/20	ChemSet-2		100	7	
541026	Decamethylcyclopentasiloxane {D5} (see Cyclosiloxanes: Decamethylcyclopentasiloxane)	11/20	(see cross-ref)		100	6 7	
1007289	Des-isopropyl atrazine	11/20	ChemSet-2		100	4	[19]
431038	Diacetyl	11/20	ChemSet-1		100	6	
	1075 Dialkylnitrosamines including but not limited to:		e		0.001	1	
924163	N-Nitrosodi-n-butylamine		e	c	0.0001	1 3 4 5	
1116547	N-Nitrosodiethanolamine		e	c	100	1 3 4 5	
55185	N-Nitrosodiethylamine		e	c	0.001	1 3 4 5	
62759	N-Nitrosodimethylamine		e	c	0.01	1 2 3 4 5	
621647	N-Nitrosodi-n-propylamine		e	c	0.01	1 3 4 5	
10595956	N-Nitrosomethylethylamine		e	c	0.001	1 3 4	
7068839	N-Nitrosomethyl-n-butylamine	11/20	ChemSet-1	c	1	4	
75881220	N-Nitrosomethyl-n-decylamine	11/20	ChemSet-1	c	1	4	
55090443	N-Nitrosomethyl-n-dodecylamine	11/20	ChemSet-1	c	1	4	
16338991	N-Nitrosomethyl-n-heptylamine	11/20	ChemSet-1	c	1	4	
28538707	N-Nitrosomethyl-n-hexylamine	11/20	ChemSet-1	c	1	4	
75881195	N-Nitrosomethyl-n-nonylamine	11/20	ChemSet-1	c	1	4	
34423546	N-Nitrosomethyl-n-octylamine	11/20	ChemSet-1	c	1	4	
13256070	N-Nitrosomethyl-n-pentylamine	11/20	ChemSet-1	c	1	4	
924469	N-Nitrosomethyl-n-propylamine	11/20	ChemSet-1	c	1	4	
75881208	N-Nitrosomethyl-n-tetradecylamine	11/20	ChemSet-1	c	1	4	
68107266	N-Nitrosomethyl-n-undecylamine	11/20	ChemSet-1	c	1	4	
615054	2,4-Diaminoanisole		e	c	5	3 4	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
5307142	1,4-Diamino-2-nitrobenzene	11/20	ChemSet-2		5		7
99569	1,2-Diamino-4-nitrobenzene {4-Nitro-o-Phenylenediamine}	11/20	ChemSet-2		5		7
1078	Diaminotoluenes (mixed isomers) including but not limited to:	09/90	e	c	100	1 4	
95807	2,4-Diaminotoluene {2,4-Toluene diamine}		e	c	0.05	1 2 3 4 5	
95705	2,5-Diaminotoluene {2,5-Toluene diamine}	11/20	ChemSet-2		100		7
333415	Diazinon	11/20	ChemSet-2	c	10	3	[19]
136356	Diazoaminobenzene	11/20	ChemSet-2	c	50	4 5	
334883	Diazomethane	06/91	e	c	5	1 2	
226368	Dibenz[a,h]acridine [POM]		e	c	0.5	1 2 3 4 5	
224420	Dibenz[a,j]acridine [POM]		e	c	0.5	1 2 3 4 5	
224533	Dibenz[c,h]acridine [POM]	11/20	ChemSet-2	c	50	3	
	- Dibenz[a,h]anthracene [PAH, POM], (see PAH)		e	c	0.1	1 2 3 4 5	
194592	7H-Dibenzoc,g]carbazole		e	c	0.05	1 2 3 4 5	
	- Dibenzo[a,e]pyrene [PAH, POM], (see PAH)		e	c	0.05	1 2 4 5	
	- Dibenzo[a,h]pyrene [PAH, POM], (see PAH)		(see cross ref)	c	0.001	1 2 3 4 5	
	- Dibenzo[a,i]pyrene [PAH, POM], (see PAH)		(see cross ref)	c	0.001	1 2 3 4 5	
	- Dibenzo[a,l]pyrene [PAH, POM], (see PAH)		(see cross ref)	c	0.001	1 2 3 4 5	
132649	Dibenzofuran [POM]	06/91	e		100	1 2	
	- Dibenzofurans (chlorinated) (see Polychlorinated dibenzofurans) [POM]		e				
631641	Dibromoacetic acid	11/20	ChemSet-1	c	50	3 4	
3252435	Dibromoacetonitrile	11/20	ChemSet-1	c	50	3 4	
124481	Dibromochloromethane {Chlorodibromomethane} {DBCM}	09/90	e		100		7
96128	1,2-Dibromo-3-chloropropane {DBCP}		e	c	0.01	1 2 3 4 5	
615587	2,4-Dibromophenol (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)		100		7
96139	2,3-Dibromo-1-propanol	07/96	e	c	50	3 4	
2528361	Dibutyl phenyl phosphate	11/20	ChemSet-2		100		7
107664	Dibutyl phosphate	11/20	ChemSet-2		100		7
84742	Dibutyl phthalate {Di-n-butyl phthalate} {DBP} {DnBP} (see Phthalates, ortho-Phthalates)	06/91	e		100	1 2 4	
79436	Dichloroacetic acid	11/20	ChemSet-2	c	50	3 4	
7572294	Dichloroacetylene	11/20	ChemSet-2		100		7
27134276	Dichloroaniline (mixed isomers)	11/20	ChemSet-2		100		7
	- p-Dichlorobenzene (1,4-Dichlorobenzene) (see Chlorobenzenes)		e				
91941	3,3'-Dichlorobenzidine [POM]		e	c	0.1	1 2 3 4 5	
612839	3,3'-Dichlorobenzidine dihydrochloride	11/20	ChemSet-2	c	50	4 5	
764410	1,4-Dichloro-2-butene	09/90	e	c	50	4	[19]
110576	trans-1,4-Dichlorobutene	11/20	ChemSet-2		100		7
72559	Dichlorodiphenyldichloroethylene {DDE} [POM]	09/89	e	c	100	1 2 4	
75343	1,1-Dichloroethane {Ethylidene dichloride}	09/90	e	c	20	1 2 4	
156592	cis-1,2-Dichloroethene {cis-1,2-Dichloroethylene}	11/20	ChemSet-2		100		6
540590	1,2-Dichloroethene {1,2-Dichloroethylene} {DCE}	06/91	e		100		6 7
156605	trans-1,2-Dichloroethene {trans-1,2-Dichloroethylene}	11/20	ChemSet-2		50		6
611063	2,4-Dichloro-1-nitrobenzene (see Chloronitrobenzenes)	11/20	(see cross-ref)	c	50	3 4	
	-- Dichlorophenoxyacetic acid {2,4-D} and its salts and esters including but not limited to:	06/91	e	c	50	1 2 3	[19]
94757	2,4-Dichlorophenoxyacetic acid {2,4-D}	11/20	ChemSet-2	c	50	1 2 3	[19]

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
2702729	2,4-Dichlorophenoxyacetic acid salt	11/20	ChemSet-2	c	50	1 2 3	[19]
5742198	2,4-Dichlorophenoxyacetic acid diethanolamine salt	11/20	ChemSet-2	c	50	1 2 3	7 [19]
2008391	2,4-Dichlorophenoxyacetic acid dimethylamine salt	11/20	ChemSet-2	c	50	1 2 3	7 [19]
5742176	2,4-Dichlorophenoxyacetic acid isopropylamine salt	11/20	ChemSet-2	c	50	1 2 3	7 [19]
32341803	2,4-Dichlorophenoxyacetic acid isopropanolamine salt	11/20	ChemSet-2	c	50	1 2 3	7 [19]
1929733	2,4-Dichlorophenoxyacetic acid butoxyethyl ester	11/20	ChemSet-2	c	50	1 2 3	7 [19]
94804	2,4-Dichlorophenoxyacetic acid butyl ester	11/20	ChemSet-2	c	50	1 2 3	7 [19]
1928434	2,4-Dichlorophenoxyacetic acid 2-ethylhexyl ester	11/20	ChemSet-2	c	50	1 2 3	7 [19]
94111	2,4-Dichlorophenoxyacetic acid isopropyl ester	11/20	ChemSet-2	c	50	1 2 3	7 [19]
25168267	2,4-Dichlorophenoxyacetic acid isoocetyl ester	11/20	ChemSet-2	c	50	1 2 3	7 [19]
1048373723	2,4-Dichlorophenoxyacetic acid choline salt	11/20	ChemSet-2	c	50	1 2 3	7 [19]
609201	2,6-Dichloro-p-phenylenediamine	11/20	ChemSet-2		50	1 2	7 [19]
78875	1,2-Dichloropropane {Propylene dichloride}	09/90	e	c	20	1 2 3 4	
542756	1,3-Dichloropropene		e	c	10	1 2 3 4 5	
96231	1,3-Dichloro-2-propanol	11/20	ChemSet-2	c	50	3 4	
62737	Dichloroëvos {DDVP}	09/89	e	c	0.5	1 2 3 4	
51338273	Diclofop methyl	11/20	ChemSet-2	c	50	4	[19]
115322	Dicofol [POM]	06/91	e		100	1 2	
84617	Dicyclohexyl phthalate {DCHP} (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)		100		7
102545	Dicyclopentaenyl iron {Ferrocene}	11/20	ChemSet-2		100		7
--	Diesel engine exhaust	09/90	e	c		1 3 4	[9]
9901	Diesel engine exhaust, particulate matter {Diesel PM}	09/90	e	c	0.1	1 3 4	[9]
9902	Diesel engine exhaust, total organic gas	09/90	e	c	10	1 3 4	[9]
#	Diesel fuel (marine)	06/91	e	c			[1]
111422	Diethanolamine	06/91	e	c		1 2 3 4	
579668	2,6-Diethylaniline	11/20	ChemSet-2		100		7
111400	Diethylenetriamine	11/20	ChemSet-2		100		6
117817	Di(2-ethylhexyl) phthalate {DEHP}		e	c	20	1 2 3 4 5	
84662	Diethyl phthalate (see Phthalates, ortho-Phthalates)	06/91	e		100		7
64675	Diethyl sulfate		e	c	100	1 2 3 4 5	
2238075	Diglycidyl ether	11/20	ChemSet-2		20		7
84753	Di-n-hexyl phthalate {DnHP} (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)		100	4	
84695	Di-isobutyl phthalate {DIBP} (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)		100		7
26761400	Di-isodecyl phthalate (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)		100	4 5	
68515491	Di-isodecyl phthalate, C9-11 branched esters, C10 rich (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)		100	4 5	
89167	Di-isodecyl phthalate mixture {Bis(8-methylnonyl) phthalate} (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)		100	4 5	
119394455	Di-isodecyl phthalate mixture {1,2-Benzenedicarboxylic acid, 4,4'-carbonylbis-, 1,1',2,2'-tetraisodecyl ester} (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)		100	4 5	
28553120	Di-isononyl phthalate {DINP} (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)	c	20	4	
68515480	Di-isononyl phthalate {DINP}, C8-10 branched esters, C9 rich (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)	c	20	4	
2973106	Diisopropyl sulfate	11/20	ChemSet-2	c	50	3 4	
60515	Dimethoate	11/20	ChemSet-2		100		7 [19]
828002	Dimethoxane	11/20	ChemSet-2		100		7 [19]
119904	3,3'-Dimethoxybenzidine [POM]		e	c	100	1 2 3 4 5	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
25962770	trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)-vinyl]-1,3,4-oxadiazole	11/20	ChemSet-2	c	50	3 4	
612828	3,3'-Dimethylbenzidine dihydrochloride (see Benzidine-based dyes)	11/20	(see cross-ref)	c	0.0001	4	
91930	3,3'-Dimethoxybenzidine-4,4'-diisocyanate (see Isocyanates-diisocyanates)	11/20	(see cross-ref)		0.5		7
627930	Dimethyl Adipate	11/20	ChemSet-2		100		6
124403	Dimethylamine	11/20	ChemSet-2		100		7
60117	4-Dimethylaminoazobenzene [POM]		e	c	0.01	1 2 3 4 5	
140567	p-Dimethylaminoazobenediazole sodium sulfonate	11/20	ChemSet-2		100		7 [19]
121697	N,N-Dimethylaniline	06/91	e		200	1 2	
75605	Dimethylarsinic acid {Cacodylic acid} (see Arsenic compounds (inorganic))	11/20	(see cross-ref)	c	50	3	[19]
57976	7,12-Dimethylbenz[a]anthracene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	09/90	(see cross ref)	c	0.0001	1 2 4	
119937	3,3'-Dimethylbenzidine {o-Tolidine} [POM]		e	c	10	1 2 3 4 5	
79447	Dimethyl carbamoyl chloride		e	c	100	1 2 3 4 5	
616386	Dimethyl carbonate	11/20	ChemSet-2		100		7
624920	Dimethyl disulfide	11/20	ChemSet-2		100		7
68122	Dimethyl formamide	09/90	e	c	100	1 2 3	
1119400	Dimethyl glutarate {glutaric acid dimethyl ester}	11/20	ChemSet-2		100		6
57147	1,1-Dimethylhydrazine		e	c	0.1	1 2 3 4 5	
868859	Dimethyl hydrogen phosphite	11/20	ChemSet-2		100		7
573988	1,2-Dimethylnaphthalene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
575439	1,6-Dimethylnaphthalene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
581420	2,6-Dimethylnaphthalene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
1456286	2,6-Dimethyl-N-nitrosomorpholine	11/20	ChemSet-2	c	50	4	
483874	1,7-Dimethylphenanthrene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
131113	Dimethyl phthalate {DMP} (see Phthalates, ortho-Phthalates)	06/91	e		50	1 2	
77781	Dimethyl sulfate		e	c	0.01	1 2 3 4 5	
120616	Dimethyl terephthalate {DMT}	11/20	ChemSet-2		100		7
99978	Dimethyl-p-toluidine	11/20	ChemSet-2	c	50	3 4	6
534521	4,6-Dinitro-o-cresol (and salts)	06/91	e		100	1 2	
105735715	3,7-Dinitrofluoranthene [PAH-Derivative/Related, POM]	11/20	ChemSet-2	c	0.5	3 4	
22506532	3,9-Dinitrofluoranthene [PAH-Derivative/Related, POM]	11/20	ChemSet-2	c	0.5	3 4	
51285	2,4-Dinitrophenol	06/91	e		100	1 2	
75321209	1,3-Dinitropyrene [PAH-Derivative/Related, POM]	11/20	ChemSet-2	c	0.05	3 4	
42397648	1,6-Dinitropyrene [PAH-Derivative/Related, POM]	06/91	Chemset-1	c	0.001	1 2 3 4	
42397659	1,8-Dinitropyrene [PAH-Derivative/Related, POM]	06/91	Chemset-1	c	0.05	1 2 3 4	
101257	Dinitrosopentamethylenetetramine (see N,N'-Dinitrosopentamethylenetetramine)	11/20	(see cross-ref)		100		7
25321146	Dinitrotoluenes (mixed isomers) including but not limited to:	06/91	e		100	4	7
121142	2,4-Dinitrotoluene	09/89	e	c	0.5	1 2 3 4	
1326416	2,4-Dinitrotoluene, sulfurized	11/20	ExistGrp	c	0.5	1 2 3 4	
606202	2,6-Dinitrotoluene	06/91	e	c	0.5	3 4	7
618859	3,5-Dinitrotoluene	11/20	ChemSet-2		100		7
123911	1,4-Dioxane		e	c	5	1 2 3 4 5	
	- Dioxins (Chlorinated dibenzodioxins) (see Polychlorinated dibenzo-p-dioxins) [POM]		e				
646060	1,3-Dioxolane	11/20	ChemSet-2		100		7
131180	Di-n-pentyl phthalate (see Phthalates, ortho-Phthalates)	11/20	(see cross-ref)		100		7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
122394	Diphenylamine	11/20	ChemSet-2		100	7	
630933	Diphenylhydantoin [POM]		e	c	100	1 2 4	
122667	1,2-Diphenylhydrazine {Hydrazobenzene} [POM]		e	c	100	1 2 4 5	
102089	Diphenyl thiourea	11/20	ChemSet-2		100	7	
136458	Di-n-propyl isocinchomeronate {MGK Repellent 326}	11/20	ChemSet-2	c	50	4	
85007	Diquat dibromide	11/20	ChemSet-2		100	7	[19]
2764729	Diquat dibromide mixture, usually as dibromide	11/20	ChemSet-2		100	7	[19]
138932	Disodium cyanodithioimidocarbonate	11/20	ChemSet-2		100	4	
97778	Disulfiram	11/20	ChemSet-2		100	7	
330541	Diuron	11/20	ChemSet-2	c	5	4	[19]
112550	1-Dodecanethiol	11/20	ChemSet-2		100	7	
115297	Endosulfan	11/20	ChemSet-2		10	7	[19]
72208	Endrin	11/20	ChemSet-2		50	4	[19]
1090	Environmental Tobacco Smoke		e	c	2	1 3 4	
106898	Epichlorohydrin		e	c	2	1 2 3 4 5	
67891752	Epoxidized olefins	11/20	ChemSet-2		100	6	
106887	1,2-Epoxybutane	06/91	e		100	1 2 3	
1091	Epoxy resins (monomers or oligomers) including but not limited to:	09/89	e		100	6	
1092	Epikote ®	11/20	ChemSet-1		100	6	
68038324	Epikote 1055	11/20	ChemSet-1		100	7	
1093	Epon ®	11/20	ChemSet-1		100	6	
25068386	Resin 828	11/20	ChemSet-1		100	7	
13194484	Ethoprop	11/20	ChemSet-2	c	1	4	[19]
141786	Ethyl acetate	11/20	ChemSet-2		100	6	
140885	Ethyl acrylate		e	c	200	1 2 3 4 5	
103695	N-Ethylaniline	11/20	ChemSet-2		100	7	
578541	o-Ethylaniline	11/20	ChemSet-2		100	7	
100414	Ethyl benzene	06/91	e	c	20	1 2 3	
	- Ethyl carbamate (see Urethane)		e	c	0.1	1 2 3 4 5	
75003	Ethyl chloride {Chloroethane}		e		200	1 2 4	
7085850	Ethyl cyanoacrylate	11/20	ChemSet-2		100	6	
	- Ethyl-4,4'-dichlorobenzilate (see Chlorobenzilate)		e				
759944	Ethyl dipropylthiocarbamate {EPTC}	11/20	ChemSet-2		50	4	[19]
74851	Ethylene	06/91	e		200	7	
107153	Ethylenediamine	11/20	ChemSet-2		100	7	[19]
106934	Ethylene dibromide {EDB, 1,2-Dibromoethane}		e	c	0.5	1 3 4 5 6	
107062	Ethylene dichloride {EDC, 1,2-Dichloroethane}		e	c	2	1 2 3 4 5	
107211	Ethylene glycol	06/91	e		200	1 2	
628966	Ethylene glycol dinitrate	11/20	ChemSet-2		100	7	
151564	Ethyleneimine {Aziridine}	06/91	e	c	50	1 2 3 4	
75218	Ethylene oxide		e	c	0.5	1 2 3 4 5 6	
420122	Ethylene sulfide	11/20	ChemSet-2		100	7	
96457	Ethylene thiourea		e	c	2	1 2 4 5	
103117	2-Ethylhexyl acrylate	11/20	ChemSet-2	c	50	3	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

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75081	Ethyl mercaptan	11/20	ChemSet-2		100	7	
97632	Ethyl methacrylate	11/20	ChemSet-2		100	6	
56382	Ethyl parathion (see Parathion)	11/20	(see cross-ref)	c	50	1 2 3 4	[19]
637923	Ethyl-tert-butyl ether (ETBE)	11/20	ChemSet-2		100	4	
22224926	Fenamiphos	11/20	ChemSet-2		10	7	[19]
66441234	Fenoxaprop ethyl	11/20	ChemSet-2		100	4	[19]
72490018	Fenoxycarb	11/20	ChemSet-2	c	50	4	[19]
51630581	Fenvalerate	11/20	ChemSet-2		100	7	[19]
12604589	Ferrovandium, dust	11/20	ChemSet-2		100	7	
	- Flame retardants (see also Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)		100	7	
69806504	Fluazifop butyl	11/20	ChemSet-2		100	4	[19]
131341861	Fludioxonil	11/20	ChemSet-2		100	7	[19]
486259	Fluorenone [PAH-Derivative/Related, POM]	11/20	ChemSet-2		50	7	
1101	Fluorides and compounds including but not limited to:	09/89	e		100	2	
7664393	Hydrogen fluoride		e		50	1 2	7
1141	Modified Hydrogen fluoride (MHF)	11/20	ExistGrp		50		7
15096523	Sodium aluminum fluoride	11/20	ChemSet-2		100		7
7681494	Sodium fluoride	11/20	ChemSet-2		100		7
1103	Fluorocarbons (brominated)		e		200	6	[10]
1104	Fluorocarbons (chlorinated) including but not limited to:		e		200	1	6 [10]
76131	Chlorinated fluorocarbon (CFC-113) {1,1,2-Trichloro-1,2,2-trifluoroethane}		e		200	1 2	6
75456	Chlorodifluoromethane (Freon 22) {HCFC-22}	07/96	e		200	1	6 7
102687650	trans-1-Chloro-3,3,3-trifluoropropene (t-HCFO-1233zd) {HCFO-1233zd(E)}	11/20	ChemSet-1		100		7
75718	Dichlorodifluoromethane (Freon 12) {CFC-12}	11/06	e		200		7
75434	Dichlorofluoromethane (Freon 21)	07/96	e		200	1	6 7
1645836	trans-1,3,3,3-Tetrafluoropropylene (HFO-1234ze) {Genetron-1234ze}	11/20	ChemSet-1		100		7
75694	Trichlorofluoromethane (Freon 11) {CFC-11}	07/96	e		200	1	6 7
406906	Fluoroxene	11/20	ChemSet-2		100		7
69409945	Fluvalinate	11/20	ChemSet-2		100	4	[19]
50000	Formaldehyde		e	c	5	1 2 3 4 5 6	
75127	Formamide	11/20	ChemSet-2		100		7
64186	Formic Acid	11/20	ChemSet-2		100	6	7
39148248	Fosetyl-al	11/20	ChemSet-2		100		7 [19]
110009	Furan	07/96	e	c	5	3 4	
98011	Furfural	11/20	ChemSet-2		100		7
98000	Furfuryl alcohol	11/20	ChemSet-2	c	50	3 4	
	-- Fusarium, Fusarium moniliforme, and its derivatives	11/20	ChemSet-2	c	50	3 4	
116355830	Fumonisin B1	11/20	ChemSet-2	c	50	3 4	
116355841	Fumonisin B2	11/20	ChemSet-2	c	50	3 4	
79748815	Fusarin C	11/20	ChemSet-2	c	50	3 4	
1222055	Galaxolide	11/20	ChemSet-2		100		7
1303000	Gallium arsenide (see Arsenic compounds (inorganic))	11/20	(see cross-ref)	c	0.01	3 4	[7]
	-- Gasoline engine exhaust including but not limited to:	09/89	e	c		3	[9]
	-- Gasoline engine exhaust (condensates & extracts)	06/91	e	c		3 4	[9]

**Appendix A-I
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9910	Gasoline engine exhaust, particulate matter	09/90	e	c	100	3 4	[9]
9911	Gasoline engine exhaust, total organic gas	09/90	e	c	100	3 4	[9]
1110	Gasoline vapors		e	c	200	1 2 3 4	[11]
548629	Gentian Violet (Crystal Violet)	11/20	ChemSet-2	c	50	4	
7782652	Germanium tetrahydride	11/20	ChemSet-2		100		7
111308	Glutaraldehyde		e		0.1	1	6
56826	Glyceraldehyde (DL-Glyceraldehyde mixture)	11/20	ChemSet-2		100		7
453178	Glyceraldehyde, D+ stereoisomer	11/20	ChemSet-2		100		7
497096	Glyceraldehyde, L- stereoisomer	11/20	ChemSet-2		100		7
106912	Glycidyl methacrylate	11/20	ChemSet-2	c	50	3	
1115	Glycol ethers and their acetates, and related, including but not limited to:		e		100	1 2	6
111466	Diethylene glycol	09/90	e		100	1	6
112732	Diethylene glycol dibutyl ether (DEGBE)	11/20	ChemSet-1		100		7
111966	Diethylene glycol dimethyl ether	09/90	e		100	1 2	6
112345	Diethylene glycol monobutyl ether	09/90	e		100	1 2	6
124174	Diethylene glycol monobutyl ether acetate	11/20	ChemSet-1		100		7
111900	Diethylene glycol monoethyl ether	09/90	e		100	1 2	6
112152	Diethylene glycol monoethyl ether acetate	11/20	ChemSet-1		100		7
112594	Diethylene glycol monohexyl ether	11/20	ChemSet-1		100		7
111773	Diethylene glycol monomethyl ether	09/90	e		100	1 2	6
629389	Diethylene glycol monomethyl ether acetate	11/20	ChemSet-1		100		7
25265718	Dipropylene glycol	09/90	e		100	1	6
34590948	Dipropylene glycol monomethyl ether	09/90	e		100	1	6
111557	Ethylene glycol diacetate	11/20	ChemSet-1		100		7
112481	Ethylene glycol dibutyl ether	11/20	ChemSet-1		100		7
629141	Ethylene glycol diethyl ether	09/90	e		100	1 2	6
97905	Ethylene glycol dimethacrylate (EGDMA)	11/20	ChemSet-1		100		6 7
110714	Ethylene glycol dimethyl ether	09/90	e		100	1 2	6
542596	Ethylene glycol monoacetate	11/20	ChemSet-1		100		7
111762	Ethylene glycol monobutyl ether	09/90	e		200	1 2	6
112072	Ethylene glycol monobutyl ether acetate	11/20	ChemSet-1		100		7
110805	Ethylene glycol monoethyl ether	09/89	e		50	1 2 4	6
111159	Ethylene glycol monoethyl ether acetate	09/90	e		100	1 2 4	6
112254	Ethylene glycol monohexyl ether	11/20	ChemSet-1		100		7
109864	Ethylene glycol monomethyl ether	09/89	e		10	1 2 4	6
110496	Ethylene glycol monomethyl ether acetate	09/90	e		200	1 2 4	6
10020436	Ethylene glycol monoethyl ether	11/20	ChemSet-1		100		7
122996	Ethylene glycol monophenyl ether	11/20	ChemSet-1		100		7
2807309	Ethylene glycol monopropyl ether	09/90	e		100	1 2	6
57018527	Propylene glycol t-butyl ether	11/20	ChemSet-2	c	50	3	6
107982	Propylene glycol monomethyl ether	09/90	e		200	1	6
108656	Propylene glycol monomethyl ether acetate	09/90	e		100	1	6
112492	Triethylene glycol dimethyl ether	09/90	e		100	1 2	6
112505	Triethylene glycol monoethyl ether	11/20	ChemSet-1		100		7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
112356	Triethylene glycol monomethyl ether	11/20	ChemSet-1		100	7	
107164	Glycolonitrile	11/20	ChemSet-2		100	7	
107222	Glyoxal	11/20	ChemSet-2		50	7	
1071836	Glyphosate	11/20	ChemSet-2	c	1	3 4	[19]
7440586	Hafnium and compounds	11/20	ChemSet-2		20	7	[7]
76448	Heptachlor	09/89	e	c	100	1 2 3 4	
142825	Heptane	11/20	ChemSet-2		100	6	
96048	2,3-Heptanedione	11/20	ChemSet-2		100	7	
1639094	1-Heptanethiol	11/20	ChemSet-2		100	7	
118741	Hexachlorobenzene		e	c	0.1	1 2 3 4 5	
59080409	2,2',4,4',5,5'-Hexabromobiphenyl (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)		10	5	
67774327	Hexabromobiphenyl mixture including Firemaster FF-1 (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)		10	5	
36355018	Hexabromobiphenyls (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)		10	5	
25637994	Hexabromocyclododecane (HBCD) (see also Brominated and Chlorinated Organic Compounds used as Flame Retardants)	11/20	(see cross-ref)		100	7	
87683	Hexachlorobutadiene	06/91	e	c	0.1	1 2 4	
608731	Hexachlorocyclohexanes (mixed or technical grade) including but not limited to:		e	c	0.05	1 3 4 5	
319846	alpha-Hexachlorocyclohexane	07/96	e	c	0.1	1 3 4 5	7
319857	beta-Hexachlorocyclohexane	07/96	e	c	0.1	1 3 4 5	7
58899	Lindane (gamma-Hexachlorocyclohexane)	09/90	e	c	0.1	1 2 3 4	
77474	Hexachlorocyclopentadiene		e		2	1 2	
67721	Hexachloroethane	09/90	e	c	200	1 2 3 4	
70304	Hexachlorophene	11/20	ChemSet-2		100	7	
142836	2,4-Hexadienal	11/20	ChemSet-2	c	50	3	
684162	Hexafluoroacetone	11/20	ChemSet-2		100	4	
116154	Hexafluoropropylene	11/20	ChemSet-2		100	7	
85427	Hexahydrophthalic anhydride, all isomers	11/20	ChemSet-2		0.001	7	
13149003	Hexahydrophthalic anhydride, all isomers (alt. CAS, see CAS 85427)	11/20	(see cross-ref)		0.001	7	
14166213	Hexahydrophthalic anhydride, all isomers (alt. CAS, see CAS 85427)	11/20	(see cross-ref)		0.001	7	
100970	Hexamethylenetetramine	11/20	ChemSet-2		100	7	
680319	Hexamethylphosphoramide		e	c	100	1 2 3 4 5	
110543	Hexane (n-Hexane)	06/91	e		200	1 2 4	
3848246	2,3-Hexanedione	11/20	ChemSet-2		100	7	
110134	2,5-Hexanedione	11/20	ChemSet-2		100	4	
111319	n-Hexanethiol	11/20	ChemSet-2		100	7	
302012	Hydrazine		e	c	0.01	1 2 3 4 5	
7647010	Hydrochloric acid		e		20	1 2	
58935	Hydrochlorothiazide	11/20	ChemSet-2	c	50	3	
	- Hydrocyanic acid (see Cyanide compounds)		e				
61788327	Hydrogenated terphenyls, nonirradiated	11/20	ChemSet-2		100	7	
420042	Hydrogen cyanamide (Cyanamide)	11/20	ChemSet-2		100	7	[19]
7722841	Hydrogen peroxide (excluding 5% or less solutions)	11/20	ChemSet-2		100	7	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
7783064	Hydrogen sulfide		e		5	1 2	
123319	Hydroquinone	06/91	e		100	1 2	
1689823	4-Hydroxyazobenzene	11/20	ChemSet-2		100		7
35554440	Imazalil	11/20	ChemSet-2	c	50	4	[19]
	- Indeno[1,2,3-cd]pyrene [PAH, POM], (see PAH)		e	c	0.5	1 2 3 4 5	
7440746	Indium and compounds including but not limited to:	11/20	ChemSet-1		50		7 [7]
22398807	Indium phosphide	11/20	ChemSet-1	c	50	3 4	[7]
50926119	Indium tin oxide	11/20	ChemSet-1	c	50	3	[7]
7553562	Iodine	11/20	ChemSet-2		100		7
75478	Iodoform	11/20	ChemSet-2		100		7
36734197	Iprodione	11/20	ChemSet-2	c	5	4	[19]
1309371	Iron oxide	11/20	ChemSet-2		100		7
13463406	Iron pentacarbonyl	07/96	e		5		7
106638	Isobutyl acrylate	11/20	ChemSet-2		100		7
78831	Isobutyl alcohol	11/20	ChemSet-2		100		7
97869	Isobutyl Methacrylate	11/20	ChemSet-2		100		6
542563	Isobutyl nitrite	11/20	ChemSet-2	c	50	3 4	
115117	Isobutylene	11/20	ChemSet-2		100		7
78820	Isobutyronitrile	11/20	ChemSet-2		100		7
1125	Isocyanates including but not limited to:		e		0.05		6
1218	Amino Isocyanates including but not limited to:	11/20	ChemSet-1		0.05		6 7
1223	1,6-Hexamethylene amino isocyanate {1,6-HAI}	11/20	ChemSet-1		0.05		7
1224	4,4-Methylenebisphenyl amino isocyanate	11/20	ChemSet-1		0.1		7
99626876	2,4-Toluene amino isocyanate {3-Isocyanato-4-methylbenzenamine} {2,4-TAI}	11/20	ChemSet-1		0.1		6 7
22683712	2,6-Toluene amino isocyanate {3-Isocyanato-2-methylbenzenamine} {2,6-TAI}	11/20	ChemSet-1		0.1		6 7
99626887	4,2-Toluene amino isocyanate {5-Isocyanato-2-methylbenzenamine} {4-TIA} {4,2-TAI}	11/20	ChemSet-1		0.1		6 7
1219	Diisocyanates including but not limited to:	11/20	ChemSet-1		0.05		
91930	3,3'-Dimethoxybenzidine-4,4'-diisocyanate	11/20	ChemSet-1		0.5		7
822060	1,6-Hexamethylene diisocyanate {HDI}	06/91	e		0.05	1 2	6
4098719	Isophorone diisocyanate {IPDI}	11/20	ChemSet-1		0.5		6 7
1225	Isophorone diisocyanate isomers	11/20	ChemSet-1		0.5		6 7
101688	Methylene diphenyl diisocyanate {MDI} [POM]	06/91	e		0.1	1 2	6
3173726	1,5-Naphthalene diisocyanate	11/20	ChemSet-1		0.5		7
1220	Mono isocyanates including but not limited to:	11/20	ChemSet-1		1		
109900	Ethyl isocyanate	11/20	ChemSet-1		1		6 7
624839	Methyl isocyanate {MIC}		e		1	1 2 4	
110781	Propyl isocyanate	11/20	ChemSet-1		1		6 7
103719	Phenyl isocyanate	11/20	ChemSet-1		1		6 7
1221	Polymeric (Oligo) HDI including but not limited to:	11/20	ChemSet-1		0.5		
108190	Biuret	11/20	ChemSet-1		0.5		6 7
1226	Diisocyanurate	11/20	ChemSet-1		0.5		6 7
1227	HDI Prepolymer	11/20	ChemSet-1		0.5		6 7
1228	Isocyanurate	11/20	ChemSet-1		0.5		6 7
23501817	Uretidione (HDI) {Uretidone}	11/20	ChemSet-1		0.5		6 7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
26471625	Toluene diisocyanates including but not limited to:	06/91	e	c	0.1	1 2 3 4 5	
-	Toluene-2,4-diisocyanate (see Toluene diisocyanates)		e				
-	Toluene-2,6-diisocyanate (see Toluene diisocyanates)		e				
78591	Isophorone	06/91	e		200	1 2	
78795	Isoprene, except from vegetative emission sources	07/96	e	c	200	3 4	
67630	Isopropyl alcohol	06/91	e		200	1	
80057	4,4'-Isopropylidenediphenol [POM] {BPA} (see Bisphenol A)	06/91	e		100	1 2	6
4016142	Isopropyl glycidyl ether	11/20	ChemSet-2		100		6
463514	Ketene	11/20	ChemSet-2		100		7
143390890	Kresoxim-methyl	11/20	ChemSet-2	c	50	4	[19]
7439910	Lanthanum and compounds	11/20	ChemSet-1		100		7 [7]
105748	Lauroyl peroxide	11/20	ChemSet-2		100		7
7439921	Lead		e	c	0.5	1 3 4	6
1128	Lead compounds (inorganic) including but not limited to:		e	c	0.5	1 3 4	[7]
301042	Lead acetate		e	c	1	1 2 4 5	[7] [12]
-	Lead chromate (see Chromium, hexalent)		e			4	
7446277	Lead phosphate		e	c	2	1 4 5	[7]
1335326	Lead subacetate	09/90	e	c	2	1 2 4	[7] [12]
1129	Lead compounds (other than inorganic)	06/91	e		5	1 2 4	[7]
78002	Tetraethyllead	11/20	ExistGrp		50	4	7 [7]
75741	Tetramethyllead	11/20	ExistGrp		50	4	7 [7]
1222	Leather dust	11/20	ChemSet-1	c	50	3 4	
330552	Linuron	11/20	ChemSet-2		5	4	[19]
1309484	Magnesium oxide	11/20	ChemSet-2		100		7 [19]
121755	Malathion	11/20	ChemSet-2	c	10	3 4	[19]
108316	Maleic anhydride		e		0.5	1 2	
542789	Malonaldehyde	11/20	ChemSet-2		100		7
109773	Malononitrile	11/20	ChemSet-2		100		7
7439965	Manganese		e		0.1	1 2	
*	Manganese compounds including but not limited to:	09/89	e		0.1	1 2	[7]
12079651	Manganese cyclopentadienyl tricarbonyl	11/20	ChemSet-2		50		7 [7]
12108133	2-Methylcyclopentadienyl manganese tricarbonyl	11/20	ChemSet-2		100		7 [7]
108781	Melamine	11/20	ChemSet-2	c	50	3	7
77094112	MelQ (see 2-Amino-3,4-dimethylimidazo[4,5-f]quinoline)	11/20	(see cross-ref)	c	50	3 4	
77500040	MelQx (see 2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline)	11/20	(see cross-ref)	c	50	3 4	
149304	2-Mercaptobenzothiazole	11/20	ChemSet-2	c	50	3 4	
7439976	Mercury		e		1	1 2 4	6
*	Mercury compounds including but not limited to:	09/89	e		1	1 2 4	[7]
7487947	Mercuric chloride		e		1	2 4	[7]
593748	Methyl mercury {Dimethylmercury}		e		1	2 4	[7]
137417	Metam potassium	11/20	ChemSet-2	c	50	4	[19]
137428	Metam sodium	11/20	ChemSet-2	c	5	4	[19]
79414	Methacrylic acid	11/20	ChemSet-2		100		6 7
10265926	Methamidophos	11/20	ChemSet-2		100		7 [19]

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
67561	Methanol		e		200	1 2 4	
950378	Methidathion	11/20	ChemSet-2		1		7 [19]
16752775	Methomyl	11/20	ChemSet-2		5		7 [19]
72435	Methoxychlor [POM]	06/91	e		100	1 2	
111966	2-Methoxyethyl ether (see Glycol ethers: Diethylene glycol dimethyl ether)	11/20	(see cross-ref)		100	1 2	6
150765	4-Methoxyphenol {1-Hydroxy-4-methoxybenzene} {Hydroquinone monomethyl ether}	11/20	ChemSet-2		100		6
96333	Methyl acrylate	06/91	e	c	50	3	7
126987	Methylacrylonitrile	11/20	ChemSet-2		100		7
74895	Methylamine	11/20	ChemSet-2		100		7
26914181	Methylanthracene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
613127	2-Methylanthracene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
779022	9-Methylanthracene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
124583	Methylarsonic acid (see Arsenic compounds (other than inorganic): Methylarsonic acid)	11/20	(see cross-ref)	c	0.1	3	
75558	2-Methylaziridine {1,2-Propyleneimine}		e	c	100	1 2 3 4	
2422799	12-Methylbenz(a)anthracene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
65357699	Methylbenzopyrene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
74839	Methyl bromide {Bromomethane}		e		20	1 2 4 6	
1634044	Methyl tert-butyl ether {MTBE}	06/91	e	c	200	1 2	
591786	Methyl-n-butyl ketone	11/20	ChemSet-2		100	4	
598550	Methyl carbamate	11/20	ChemSet-2	c	50	4	[19]
74873	Methyl chloride {Chloromethane}	06/91	e		20	1 2 4	
71556	Methyl chloroform {1,1,1-Trichloroethane}		e		200	1 2 6	
56495	3-Methylcholanthrene [Methyl-PAH, POM] (see PAH, Methyl PAH)	09/90	(see cross ref)	c	0.001	1 2 4	
41637905	Methylchrysene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		5		7
3351313	3-Methylchrysene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		5		7
3697243	5-Methylchrysene [Methyl-PAH, POM] (see PAH, Methyl PAH)		(see cross ref)	c	0.05	1 2 3 4 5	
1705857	6-Methylchrysene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		5		7
137053	Methyl cyanoacrylate	11/20	ChemSet-2		100		7
8022002	Methyl demeton	11/20	ChemSet-2		20		7
99809	N-Methyl-N,4-dinitrosoaniline	11/20	ChemSet-2		100		7
101144	4,4'-Methylene bis(2-chloroaniline) {MOCA} [POM]		e	c	0.1	1 2 3 4 5	
5124301	Methylene bis(4-cyclohexylisocyanate)	11/20	ChemSet-2		100		7
101688	4,4'-Methylene bisphenyl diisocyanate {4,4'-diphenylmethane diisocyanate} {4,4'-MDI} (see Isocyanates, Diisocyanates: Methylene diphenyl diisocyanate)	11/20	e		0.1	1 2 6	
75092	Methylene chloride {Dichloromethane}		e	c	50	1 2 3 4 5 6	
101779	4,4'-Methylenedianiline {MDA}		e	c	0.1	1 2 3 4 5 6	
13552448	4,4'-Methylenedianiline dihydrochloride	11/20	ExistGrp	c	0.1	4 5	
78933	Methyl ethyl ketone {2-Butanone}	06/91	e		200	1 2	
1338234	Methyl ethyl ketone peroxide	11/20	ChemSet-2		0.5		7
25889605	1-Methylfluoranthene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
1706010	3-Methylfluoranthene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
421205	Methyl fluorosulfonate	11/20	ChemSet-2		100		7
1134	Methylhydrazine and its salts	11/20	ExistGrp	c	50	4	
60344	Methylhydrazine	06/91	e	c	50	1 2 4	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
302158	Methylhydrazine sulfate	11/20	ExistGrp	c	50	4	
5118343	Methylhydrazine sulfate (alt. CAS 5118343, see 302158)	11/20	ExistGrp	c	50	4	
693981	2-Methylimidazole	11/20	ChemSet-1	c	0.5	3 4	
822366	4-Methylimidazole	11/20	ChemSet-1	c	0.5	3 4	
74884	Methyl iodide {Iodomethane}		e	c	100	1 2 4 5	[19]
108101	Methyl isobutyl ketone {Hexone} {MIBK}	06/91	e	c	20	1 2 3 4	
563804	Methyl isopropyl ketone	11/20	ChemSet-2		100		7
75865	2-Methylacetonitrile {Acetone cyanohydrin}	07/96	e		50		7
80626	Methyl methacrylate		e		200	1 2 6	
1321944	Methylnaphthalene (mixed) [PAH-Derivative/Related, POM]	11/20	ChemSet-2		100		7 [19]
90120	1-Methylnaphthalene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7 [19]
91576	2-Methylnaphthalene [Methyl-PAH, POM] (see PAH, Methyl-PAH)		e	c	0.5	1	
298000	Methyl parathion	11/20	ChemSet-2		10		7 [19]
832699	1-Methylphenanthrene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
2531842	2-Methylphenanthrene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
832713	3-Methylphenanthrene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
883205	9-Methylphenanthrene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
98851	Methyl phenyl carbinol	11/20	ChemSet-2		100		7
2381217	1-Methylpyrene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
3353126	4-Methylpyrene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
109068	2-Methylpyridine	07/96	e		100		7
872504	N-methyl-2-pyrrolidone {N-Methylpyrrolidone} {NMP}	11/20	ChemSet-1		50	4 6	
98839	alpha-Methylstyrene (see Styrene: Methylstyrene)	11/20	(see cross-ref)	c	10	3 4	
333277	Methyl triflate	11/20	ChemSet-2		100		7
12001262	Mica	11/20	ChemSet-2		100		7
90948	Michler's ketone [POM]		e	c	0.1	1 2 3 4 5	
1136	Mineral fibers (fine mineral fibers which are man-made, and are airborne particles of a respirable size greater than 5 microns in length, less than or equal to 3.5 microns in diameter, with a length to diameter ratio of 3:1) including but not limited to	06/91	e	c	100	1 2	7
1056	Ceramic fibers	09/89	e	c	100	1 2 3 4	
1111	Glasswool fibers	09/89	e	c	100	1 2 4	
1168	Rockwool	09/89	e	c	100	1 2	
1181	Slagwool	09/89	e	c	100	1 2	
1135	Mineral fibers (other than man-made) including but not limited to:		e		100	2	7
1332214	Asbestos		e	c	0.0001	1 2 3 4 5	
77536664	Actinolite	11/20	ChemSet-1	c	100	1 3	
12172735	Amosite	11/20	ChemSet-1	c	100	1 3	
77536675	Anthophyllite	11/20	ChemSet-1	c	100	1 3	
12001295	Chrysotile	11/20	ChemSet-1	c	100	1 3	
12001284	Crocidolite	11/20	ChemSet-1	c	100	1 3	
77536686	Tremolite	11/20	ChemSet-1	c	100	1 3	
12510428	Erionite		Chemset-1	c	100	2 3 4	[21]
66733219	Erionite (alt. CAS, see CAS 12510428)	11/20	Chemset-1	c	50	2 3 4	[21]
1106	Fluoro-edenite fibrous amphibole	11/20	ChemSet-1	c	100	3	
1190	Talc containing asbestiform fibers		e	c	100	2 3 4	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
1313275	Molybdenum trioxide	06/91	e	c	50	1 3	
96242	3-Monochloro-1,2-propanediol	11/20	ChemSet-1	c	1	3 4	
100618	Monomethyl aniline (N-Methylaniline)	11/20	ChemSet-2		100		7
124583	Monomethylarsonic acid (see Arsenic compounds (other than inorganic): Methylarsonic acid)	11/20	(see cross-ref)	c	0.1	3	
110918	Morpholine	11/20	ChemSet-2		100		7
3795888	5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)-amino]-2-oxazolidinone	11/20	ChemSet-2	c	0.5	3 4	
88671890	Myclobutanil	11/20	ChemSet-2		100	4	[19]
123353	beta-Myrcene	11/20	ChemSet-2	c	50	3 4	
142596	Nabam	11/20	ChemSet-2		100	4	[19]
25134218	Nadic methyl anhydride	11/20	ChemSet-2		100		6
8030306	Naphtha {coal tar}	11/20	ChemSet-2		100		7
66773	1-Naphthaldehyde [PAH-Derivative/Related, POM]	11/20	ChemSet-2		100		7
	- Naphthalene [PAH, POM], (see PAH)		e	c	0.1	1 2 3 4	
2243621	1,5-Naphthalenediamine [PAH-Derivative/Related, POM]	11/20	ChemSet-2		100		7
3173726	1,5-Naphthalene diisocyanate (see Isocyanates: diisocyanates)	11/20	(see cross-ref)		0.5		7
85472	alpha-Naphthalene sulfonic acid	11/20	ChemSet-2		100		7
120183	beta-Naphthalene sulfonic acid	11/20	ChemSet-2		100		7
135193	beta-Naphthol	11/20	ChemSet-2		100		7
86884	1-Naphthylthiourea {ANTU} {1-(1-Naphthyl)-2-thiourea}	11/20	ChemSet-2		100		7 [19]
60391926	N-Carboxymethyl-N-nitrosourea	11/20	ChemSet-2	c	50	4	
7440020	Nickel		e	c	0.1	1 2 3 4 5	
	* Nickel compounds including but not limited to:		e	c	1	1 2 3 4 5	[7]
373024	Nickel acetate	06/91	e	c	0.1	1 2 4 5	[7]
3333673	Nickel carbonate	06/91	e	c	0.1	1 2 4 5	[7]
13463393	Nickel carbonyl		e	c	0.1	1 2 4 5	[7]
7718549	Nickel chloride	11/20	ExistGrp	c	100	1 2 4 5	[7]
12054487	Nickel hydroxide	06/91	e	c	0.1	1 2 4 5	[7]
13138459	Nickel nitrate {Nickel (II) nitrate}	11/20	ExistGrp	c	100	1 2 4 5	[7]
1271289	Nickelocene	06/91	e	c	0.1	1 2 4 5	[7]
1313991	Nickel oxide	06/91	e	c	0.1	1 2 4 5	[7]
12035722	Nickel subsulfide		e	c	0.1	1 2 4 5	[7]
7786814	Nickel sulfate	11/20	ExistGrp	c	100	1 2 4 5	[7]
	1146 Nickel refinery dust from the pyrometallurgical process	09/89	e	c	0.1	4	
1929824	Nitrapyrin	11/20	ChemSet-2	c	50	4	[19]
7697372	Nitric acid	06/91	e		50	1	
139139	Nitrilotriacetic acid		e	c	100	1 3 4 5	
602879	5-Nitroacenaphthene [PAH-Derivative/Related, POM]	11/06	Chemset-1	c	2	1 2 3 4	
99092	mono-Nitroaniline	11/20	ChemSet-2		100		7
88744	o-Nitroaniline	11/20	ChemSet-2		100		7
100016	p-Nitroaniline	11/20	ChemSet-2		100		7
91236	o-Nitroanisole {2-Nitroanisole}	11/20	ChemSet-2	c	50	3	
100174	p-Nitroanisole	11/20	ChemSet-1	c	50	3 4	7
3586694	2-Nitroanthracene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
20268513	7-Nitrobenz[a]anthracene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

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17117349	3-Nitrobenzanthrone [PAH-Derivative/Related, POM]	11/20	ChemSet-2	c	0.0001	3	
98953	Nitrobenzene		e	c	0.5	1 2 3 4	
63041907	6-Nitrobenzo[a]pyrene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
92933	4-Nitrobiphenyl [POM]	09/89	e	c	100	1 2 4	
121733	3-Nitrochlorobenzene (see Chloronitrobenzenes: m-Chloronitrobenzene)	11/20	(see cross-ref)		50		7
100005	4-Nitrochlorobenzene (see Chloronitrobenzenes: 1-Chloro-4-nitrobenzene)	11/20	(see cross-ref)	c	50	3 4	
7496028	6-Nitrochrysene [PAH-Derivative/Related, POM]	06/91	Chemset-1	c	0.001	1 2 3 4	
892217	3-Nitrofluoranthene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
607578	2-Nitrofluorene [PAH-Derivative/Related, POM]	06/91	Chemset-1	c	5	1 2 3 4	
126852	Nitrogen mustard N-oxide		ChemSet-2	c	0.05	3 4	
302705	Nitrogen mustard N-oxide Hydrochloride	11/20	e	c	0.05	4	
75525	Nitromethane	11/20	ChemSet-2	c	50	3 4 5	
86577	1-Nitronaphthalene {Nitrol} [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
581895	2-Nitronaphthalene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
20589633	3-Nitroperylene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
17024190	3-Nitrophenanthrene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
954461	9-Nitrophenanthrene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
100027	4-Nitrophenol	06/91	e		100	1 2	
99569	4-Nitro-o-Phenylenediamine (see 1,2-Diamino-4-nitrobenzene)	11/20	(see cross-ref)		5		7
79469	2-Nitropropane		e	c	0.01	1 2 3 4 5	
5522430	1-Nitropyrene [PAH-Derivative/Related, POM]	06/91	Chemset-1	c	0.5	1 2 3 4	
789071	2-Nitropyrene [PAH-Derivative/Related, POM]	11/20	ChemSet-2		0.5		7
57835924	4-Nitropyrene [PAH-Derivative/Related, POM]	11/06	Chemset-1	c	1	1 2 3 4	
105555	N,N'-Diethylthiourea	11/20	ChemSet-2		100		7
127195	N,N-Dimethylacetamide	11/20	ChemSet-2	c	50	3 4	
101257	N,N'-Dinitrosopentamethylenetetramine {Dinitrosopentamethylenetetramine}	11/20	ChemSet-2		100		7
86306	N-Nitrosodiphenylamine [POM]	11/06	e	c	10	1 2 4	
156105	p-Nitrosodiphenylamine [POM]		e	c	5	1 2 4 5	
932832	N-Nitrosohexamethyleneimine	11/20	ChemSet-2	c	50	4	
684935	N-Nitroso-N-methylurea		e	c	100	1 2 3 4 5	
59892	N-Nitrosomorpholine		e	c	0.01	1 2 3 4 5	
100754	N-Nitrosopiperidine		e	c	1	3 4 5	
930552	N-Nitrosopyrrolidine		e	c	0.05	3 4 5	
--	Nitrotoluenes including but not limited to	11/20	ChemSet-2		100		7
88722	2-Nitrotoluene {o-Nitrotoluene}	11/20	ChemSet-1	c	0.5	3	
118967	2,4,6-Trinitrotoluene	11/20	ChemSet-1	c	0.5	4	
99081	3-Nitrotoluene {m-Nitrotoluene}	11/20	ChemSet-2		100		7
99990	4-Nitrotoluene {p-Nitrotoluene}	11/20	ChemSet-2		100		7
25321146	Dinitrotoluenes (mixed isomers) including but not limited to:	11/20	ChemSet-1		0.5		7
121142	2,4-Dinitrotoluene		e	c	0.5	1 2 3 4	
1326416	2,4-Dinitrotoluene, sulfurized	11/20	ExistGrp	c	0.5	1 2 3 4	
606202	2,6-Dinitrotoluene	06/91	e	c	0.5	3 4	
618859	3,5-Dinitrotoluene	11/20	ChemSet-1		100		7

**Appendix A-I
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99558	5-Nitro-o-toluidine	11/20	ChemSet-2		100	7	
83410	Nitroxylenes	11/20	ChemSet-2		100	7	
25154523	Nonylphenol	11/20	ChemSet-2		100	7	[19]
	-- Nonylphenol Ethoxylates	11/20	-		100	7	
27986363	2-(Nonylphenoxy)ethanol	11/20	ChemSet-2		100	7	
20427843	2-[2-(4-Nonylphenoxy)ethoxy]ethanol	11/20	ChemSet-2		100	7	
27176938	2-[2-(Nonylphenoxy)ethoxy]ethanol	11/20	ChemSet-2		100	7	
	-- Novolac resins	11/20	ChemSet-2		100	6	
111886	1-Octanethiol	11/20	ChemSet-2		100	7	
27193288	Octylphenol	11/20	ChemSet-2		100	7	
140669	4-t-Octylphenol	11/20	ChemSet-2		100	7	
	* Oleum (see Sulfuric acid and oleum)		e				
	-- Organophosphate Flame Retardants (OPFRs) including:		-				
225789388	Aluminum diethyl phosphinate	11/20	ChemSet-2		100	7	[20]
5945335	Bisphenol A bis(diphenyl phosphate) {BADP}	11/20	ChemSet-2		100	7	[20]
756796	Dimethyl methylphosphonate {DMMP}	11/20	ChemSet-1		100	7	[20]
57583547	Resorcinol bis(diphenylphosphate) {RDP}	11/20	ChemSet-2		100	7	[20]
126738	Tri-n-butyl phosphate {TBP} (see Phosphorus compounds: Tributyl phosphate)	11/20	e		100	2	[20]
1330785	Tricresyl phosphate {TCP}	11/20	ChemSet-1		100	7	[20]
115866	Triphenyl phosphate {POM} {TPP}	11/20	e		100	1 2	[20]
115968	Tris(2-chloroethyl) phosphate {TCEP}	11/20	ChemSet-1	c	50	4	
13674845	Tris(1-chloro-2-propyl)phosphate {TCPP}	11/20	ChemSet-1		100	7	[21]
1689320	Tris(1-chloro-2-propyl)phosphate {TCPP} (alt. CAS No. 1, see CAS 13674845)	11/20	(see cross-ref)		100	7	[21]
98112324	Tris(1-chloro-2-propyl)phosphate {TCPP} (alt. CAS No. 2, see CAS 13674845)	11/20	(see cross-ref)		100	7	[21]
13674878	Tris(1,3-dichloro-2-propyl) phosphate {TCDP} {TDCPP}	11/20	ChemSet-1	c	10	4	
19044883	Oryzalin	11/20	ChemSet-2	c	5	4	[19]
19666309	Oxadiazon	11/20	ChemSet-2	c	50	4	[19]
301122	Oxydemeton methyl	11/20	ChemSet-2		100	4	[19]
42874033	Oxyfluorfen	11/20	ChemSet-2		100	7	[19]
7783417	Oxygen difluoride	11/20	ChemSet-2		0.1	7	
2439012	Oxythioquinox (Chinomethionat)	11/20	ChemSet-2	c	50	4	[19]
	-- PAHs (Polycyclic aromatic hydrocarbons) and Methyl PAHs, including but not limited to:		e		50	1 2	[13]
1151	PAHs, total, w/o individ. components reported [PAH, POM]		e		50	1 2	
1150	PAHs, total, with individ. components also reported [PAH, POM]		e		50	1 2	
83329	Acenaphthene [PAH, POM]	07/96	e		5	1	
208968	Acenaphthylene {Cyclopenta[cd]naphthalene} [PAH, POM]	07/96	e		5	1	
191264	Anthanthrene {Dibenzo[cd,jk]pyrene} [PAH, POM]	11/20	ChemSet-2		0.5	7	
120127	Anthracene [PAH, POM]	06/91	e		50	1 2	7
202335	Benz[j]aceanthrylene [PAH, POM]	11/20	ChemSet-2	c	0.5	3	
56553	Benz[a]anthracene [PAH, POM]		e	c	0.5	1 2 3 4 5	
214175	Benzo[b]chrysene [PAH, POM]	11/20	ChemSet-2		0.5	7	
203338	Benzo[a]fluoranthene [PAH, POM]	11/20	ChemSet-2		0.5	7	
205992	Benzo[b]fluoranthene [PAH, POM]		e	c	0.5	1 2 3 4 5	
203123	Benzo[g,h,i]fluoranthene [PAH, POM]	11/20	ChemSet-2		0.5	7	

**Appendix A-I
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205823	Benzo[j]fluoranthene [PAH, POM]		e	c	0.5	1 2 3 4 5	
207089	Benzo[k]fluoranthene [PAH, POM]		e	c	0.5	1 2 3 4 5	
205129	Benzo[c]fluorene [PAH, POM]	11/20	ChemSet-2		0.5		7
191242	Benzo[g,h,i]perylene [PAH, POM]	07/96	e		0.5	1	
195197	Benzo[c]phenanthrene [PAH, POM]	11/20	ChemSet-2	c	0.5	3	
50328	Benzo[a]pyrene [PAH, POM]		e	c	0.05	1 2 3 4 5	
192972	Benzo[e]pyrene [PAH, POM]	07/96	e		0.5	1	
218019	Chrysene [PAH, POM]	09/90	e	c	5	1 2 3 4	
191071	Coronene [PAH, POM]	11/20	ChemSet-2		0.5		7
27208373	Cyclopenta[cd]pyrene [PAH]	11/20	Chemset-2	c	50	3 4	
215587	Dibenz[a,c]anthracene [PAH, POM]	11/20	ChemSet-2	c	0.1	4	
53703	Dibenz[a,h]anthracene [PAH, POM]		e	c	0.1	1 2 3 4 5	
224419	Dibenz[a,j]anthracene [PAH, POM]	11/20	ChemSet-2	c	0.1	4	
192654	Dibenzo[a,e]pyrene [PAH, POM]		e	c	0.05	1 2 4 5	
189640	Dibenzo[a,h]pyrene [PAH, POM]		Chemset-1	c	0.001	1 2 3 4 5	
189559	Dibenzo[a,i]pyrene [PAH, POM]		Chemset-1	c	0.001	1 2 3 4 5	
191300	Dibenzo[a,l]pyrene [PAH, POM]		Chemset-1	c	0.001	1 2 3 4 5	
192518	Dibenzo[e,l]pyrene [PAH, POM]	11/20	ChemSet-2		0.5		7
206440	Fluoranthene [PAH, POM]	07/96	e	c	0.5	1	
86737	Fluorene [PAH, POM]	07/96	e	c	0.5	1	
193395	Indeno[1,2,3-cd]pyrene [PAH, POM]		e	c	0.5	1 2 3 4 5	
91203	Naphthalene [PAH, POM]		e	c	0.1	1 2 3 4	
198550	Perylene [PAH, POM]	07/96	e	c	0.5	1	
85018	Phenanthrene [PAH, POM]	07/96	e	c	0.5	1	
129000	Pyrene [PAH, POM]	07/96	e	c	0.5	1	
--	And Methyl PAHs including:		-				
57976	7,12-Dimethylbenz[a]anthracene [Methyl-PAH, POM]	09/90	Chemset-1	c	0.0001	1 2 4	
573988	1,2-Dimethylnaphthalene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
575439	1,6-Dimethylnaphthalene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
581420	2,6-Dimethylnaphthalene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
483874	1,7-Dimethylphenanthrene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
26914181	Methylantracene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
613127	2-Methylantracene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
779022	9-Methylantracene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
2422799	12-Methylbenz(a)anthracene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
65357699	Methylbenzopyrene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
56495	3-Methylcholanthrene [Methyl-PAH, POM]	09/90	Chemset-1	c	0.001	1 2 4	
41637905	Methylchrysene [Methyl-PAH, POM]	11/20	ChemSet-2		5		7
3351313	3-Methylchrysene [Methyl-PAH, POM]	11/20	ChemSet-2		5		7
3697243	5-Methylchrysene [Methyl-PAH, POM]		ChemSet-1	c	0.05	1 2 3 4 5	
1705857	6-Methylchrysene [Methyl-PAH, POM]	11/20	ChemSet-2		5		7
25889605	1-Methylfluoranthene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
1706010	3-Methylfluoranthene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
90120	1-Methylnaphthalene [Methyl-PAH, POM]	11/20	ChemSet-1		0.5		7 [19]

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91576	2-Methylnaphthalene [Methyl-PAH, POM]	07/96	e	c	0.5	1	
832699	1-Methylphenanthrene [Methyl-PAH, POM]	11/20	ChemSet-1		0.5		7
2531842	2-Methylphenanthrene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
832713	3-Methylphenanthrene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
883205	9-Methylphenanthrene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
2381217	1-Methylpyrene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
3353126	4-Methylpyrene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
483658	Retene [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
2245387	2,3,5-Trimethylnaphthalene {1,6,7-Trimethylnaphthalene} [Methyl-PAH, POM]	11/20	ChemSet-2		0.5		7
	PAH-Derivatives (Polycyclic aromatic hydrocarbon derivatives) [POM] (including # but not limited to those substances listed in Appendix A with the bracketed designation [PAH-Derivative, POM])	06/91	e				
7440053	Palladium and compounds	11/20	ChemSet-1		100		7 [7]
	-- Parabens including but not limited to:	11/20	ChemSet-2		100		
94268	Butylparaben	11/20	ChemSet-2		100		7
120478	Ethylparaben	11/20	ChemSet-2		100		7
99763	Methylparaben	11/20	ChemSet-2		100		7
94133	n-Propylparaben	11/20	ChemSet-2		100		7
30525894	Paraformaldehyde	11/20	ChemSet-2		100		7
1910425	Paraquat	11/20	ChemSet-2		20		7 [19]
56382	Parathion	06/91	ChemSet-2	c	50	1 2 3 4	[19]
	1155 PBBs (Polybrominated biphenyls) [POM] including but not limited to:		Chemset-1	c	1	1 2 3 4 5	
13654096	Decabromobiphenyl	11/20	ChemSet-2	c	1	1 3 4 5 7	
59080409	2,2',4,4',5,5'-Hexabromobiphenyl (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)		1	5	
67774327	Hexabromobiphenyl mixture including Firemaster FF-1 (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)		1	5	
61288139	Octabromobiphenyl	11/20	ChemSet-2	c	1	1 3 4 5 7	
59536651	PBBs (mixed) including but not limited to: Firemaster® BP-6	11/20	ChemSet-2	c	1	1 3 4 7	
	1336363 PCBs (Polychlorinated biphenyls), total [POM] including but not limited to:		e	c	0.01	1 2 3 4 5 6	
53469219	Chlorodiphenyl (42% Chlorine, PCB 1242)	11/20	ChemSet-1		0.01		7
11097691	Chlorodiphenyl (54% Chlorine, PCB 1254)	11/20	ChemSet-1		0.01		7
39635319	2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL (PCB 189)	11/06	e	c	0.01	2 3 4 5	
38380084	2,3,3',4,4',5-HEXACHLOROBIPHENYL (PCB 156)	11/06	e	c	0.002	2 3 4 5	
69782907	2,3,3',4,4',5'-HEXACHLOROBIPHENYL (PCB 157)	11/06	e	c	0.002	2 3 4 5	
52663726	2,3',4,4',5,5'-HEXACHLOROBIPHENYL (PCB 167)	11/06	e	c	0.1	2 3 4 5	
32774166	3,3',4,4',5,5'-HEXACHLOROBIPHENYL (PCB 169)	11/06	e	c	0.0001	2 3 4 5	
32598144	2,3,3',4,4'-PENTACHLOROBIPHENYL (PCB 105)	11/06	e	c	0.01	2 3 4 5	
74472370	2,3,4,4',5-PENTACHLOROBIPHENYL (PCB 114)	11/06	e	c	0.002	2 3 4 5	
31508006	2,3',4,4',5-PENTACHLOROBIPHENYL (PCB 118)	11/06	e	c	0.01	2 3 4 5	
65510443	2,3',4,4',5'-PENTACHLOROBIPHENYL (PCB 123)	11/06	e	c	0.01	2 3 4 5	
57465288	3,3',4,4',5-PENTACHLOROBIPHENYL (PCB 126)	11/06	e	c	0.00001	2 3 4 5	
32598133	3,3',4,4'-TETRACHLOROBIPHENYL (PCB 77)	11/06	e	c	0.01	2 3 4 5	
70362504	3,4,4',5-TETRACHLOROBIPHENYL (PCB 81)	11/06	e	c	0.01	2 3 4 5	
98566	PCBTf (see 1-Chloro-4-(trifluoromethyl)benzene)	11/20	(see cross-ref)	c	50	3 6	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
40487421	Pendimethalin	11/20	ChemSet-2		100	7	[19]
19624227	Pentaborane	11/20	ChemSet-2		20	7	
60348609	Pentabromodiphenyl ether mixture [DE-71 (technical grade)]	11/20	ChemSet-2	c	1	4	
608719	Pentabromophenol {PBP} (see Brominated and Chlorinated Organic Compounds used as Flame Retardants)	11/20	(see cross-ref)		100	7	
608935	Pentachlorobenzene	11/20	ChemSet-2		10	7	
133493	Pentachlorobenzenethiol	11/20	ChemSet-2		100	7	
76017	Pentachloroethane	11/20	ChemSet-2		100	7	
1321648	Pentachloronaphthalene	11/20	ChemSet-2		100	7	
82688	Pentachloronitrobenzene {Quintobenzene} (see Chloronitrobenzenes)	06/91	e		100	1 2	
600146	2,3-Pentanedione	11/20	ChemSet-1		100	7	
1341453	2,3-Pentanedione (alt./deprecated CAS, see CAS 600146)	11/20	(see cross-ref)		100	7	
110667	1-Pentanethiol	11/20	ChemSet-2		100	7	
79210	Peracetic acid	06/91	e		100	1	
127184	Perchloroethylene {Tetrachloroethene}		e	c	5	1 2 3 4 5 6	
594423	Perchloromethyl mercaptan	11/20	ChemSet-2		50	7	[19]
7616946	Perchloryl fluoride	11/20	ChemSet-2		100	7	
	-- Perfluoro and Polyfluoro compounds including but not limited to:	11/20	-			7	
68391082	Alcohols, C8-14, gamma-omega-perfluoro	11/20	ChemSet-2		100	7	
97659477	Alkenes, C8-14 alpha-, delta-omega-perfluoro	11/20	ChemSet-2		100	7	
68188125	Alkyl iodides, C4-20, gamma-omega-perfluoro	11/20	ChemSet-2		100	7	
958445448	Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA Ammonium salt)	11/20	ChemSet-2		100	7	
67906427	Ammonium perfluorodecylsulfonate	11/20	ChemSet-2		100	7	
3825261	Ammonium perfluorooctanoate	11/20	ChemSet-1	c	10	7	
29081569	Ammonium perfluorooctylsulfonate	11/20	ChemSet-2		100	7	
68515628	1,4-Benzenedicarboxylic acid, dimethyl ester, reaction products with bis(2-hydroxyethyl) terephthalate, ethylene glycol, alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene), hexakis(methoxymethyl)melamine and polyethylene glycol	11/20	ChemSet-2		100	7	
40143779	Bis(perfluorohexyl)phosphinic acid {Bis(tridecafluorohexyl)phosphinic acid}	11/20	ChemSet-2		100	7	
68187257	Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-4-oxo-, 2(or 3)-[(gamma-omega-perfluoro-C6-20-alkyl)thio] derivatives	11/20	ChemSet-2		100	7	
383073	N-Butylperfluorooctanesulphonamido ethyl acrylate	11/20	ChemSet-2		100	7	
2263094	N-Butylperfluorooctanesulphonamido ethyl alcohol	11/20	ChemSet-2		100	7	
756426581	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid {9-Cl-PF3ONS}	11/20	Chemset-2		100	7	
763051929	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid {11-Cl-PF3OUdS}	11/20	Chemset-2		100	7	
83329899	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonate (potassium or other salts)	11/20	Chemset-2		100	7	
68141026	Chromium (III) perfluorooctanoate	11/20	ChemSet-2		100	7	
67584423	Cyclohexanesulfonic acid, decafluoro(pentafluoroethyl)-, potassium salt (see Decafluoro-4-(pentafluoroethyl)cyclohexanesulfonate)	11/20	(see cross-ref)		100	7	
68156070	Cyclohexanesulfonic acid, decafluoro(trifluoromethyl)-, potassium salt	11/20	ChemSet-2		100	7	
68156014	Cyclohexanesulfonic acid, nonafluorobis(trifluoromethyl)-, potassium salt	11/20	ChemSet-2		100	7	
67584423	Decafluoro-4-(pentafluoroethyl)cyclohexanesulfonate {PFecHS}	11/20	Chemset-2		100	7	
919005144	4,8-Dioxa-3H-perfluorononanoic acid {ADONA}	11/20	Chemset-2		100	7	
118400718	Disulfides, bis(gamma-omega-perfluoro-C6-20-alkyl)	11/20	ChemSet-2		100	7	
27619916	1-Dodecanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-	11/20	ChemSet-2		100	7	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
65636353	Ethanaminium, N,N-diethyl-N-methyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, methyl sulfate, polymer with 2-ethylhexyl 2-methyl-2-propenoate, alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide	11/20	ChemSet-2		100	7	
182176529	Ethaneperoxoic acid, reaction products with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl thiocyanate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl thiocyanate	11/20	ChemSet-2		100	7	
65530645	Ethanol, 2,2'-iminobis-, compound with alpha,alpha'-[phosphinobis(oxy-2,1-ethanediyl)]bis[omega-fluoropoly(difluoromethylene)] (1:1)	11/20	ChemSet-2		100	7	
65530747	Ethanol, 2,2'-iminobis-, compound with alpha-fluoro-omega-[2-(phosphonoxy)ethyl]poly(difluoromethylene) (1:1)	11/20	ChemSet-2		100	7	
65530634	Ethanol, 2,2'-iminobis-, compound with alpha-fluoro-omega-[2-(phosphonoxy)ethyl]poly(difluoromethylene) (2:1)	11/20	ChemSet-2		100	7	
2991506	N-Ethyl-N-((heptadecafluorooctyl)sulfonyl)glycine (see 2-(N-Ethyl-perfluorooctanesulfonamido)acetic acid)	11/20	(see cross-ref)		100	7	
61660126	N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[3-(trimethoxysilyl)propyl]-1-octanesulfonamide	11/20	ChemSet-2		100	7	
67969691	N-Ethyl-N-(2-hydroxyethyl)perfluorooctanesulfonamide phosphate monoester diammonium salt	11/20	ChemSet-2		100	7	
2991506	2-(N-Ethyl-perfluorooctanesulfonamido)acetic acid {NEtFOSAA}	11/20	ChemSet-2		100	7	
423825	2-(N-Ethylperfluorooctanesulfonamido)ethyl acrylate	11/20	ChemSet-2		100	7	
1691992	N-Ethylperfluorooctanesulfonamidoethyl alcohol {N-EtFOSE}	11/20	ChemSet-2		100	7	
376147	N-Ethylperfluorooctylsulfonamidoethyl methacrylate	11/20	ChemSet-2		100	7	
29117086	N-Ethyl-N-polyoxyethylene-perfluorooctanesulfonamide	11/20	ChemSet-2		100	7	
72623779	Fatty acids, C6-18, perfluoro, ammonium salts	11/20	ChemSet-2		100	7	
72968388	Fatty acids, C7-13, perfluoro, ammonium salts	11/20	ChemSet-2		100	7	
178535234	Fatty acids, linseed-oil, gamma-omega-perfluoro-C8-14-alkyl esters	11/20	ChemSet-2		100	7	
67584627	Glycine, N-ethyl-N-[(pentadecafluoroheptyl)sulfonyl]-, potassium salt	11/20	ChemSet-2		100	7	
67584536	Glycine, N-ethyl-N-[(tridecafluorohexyl)sulfonyl]-, potassium salt	11/20	ChemSet-2		100	7	
67584525	Glycine, N-ethyl-N-[(undecafluoropentyl)sulfonyl]-, potassium salt	11/20	ChemSet-2		100	7	
55910106	Glycine, N-[(heptadecafluorooctyl)sulfonyl]-N-propyl-, potassium salt	11/20	ChemSet-2		100	7	
37858030	6:2 Fluorotelomer acetate	11/20	ChemSet-2		100	7	
37858041	8:2 Fluorotelomer acetate	11/20	ChemSet-2		100	7	
37858052	10:2 Fluorotelomer acetate	11/20	ChemSet-2		100	7	
17527296	6:2 Fluorotelomer acrylate	11/20	ChemSet-1		100	7	
27905459	8:2 Fluorotelomer acrylate	11/20	ChemSet-2		100	7	
17741605	10:2 Fluorotelomer acrylate	11/20	ChemSet-2		100	7	
647427	6:2 Fluorotelomer alcohol {FtOH 6:2}	11/20	ChemSet-1		100	7	
678397	8:2 Fluorotelomer alcohol {FtOH 8:2}	11/20	ChemSet-1		100	7	
865861	10:2 Fluorotelomer alcohol {FtOH 10:2}	11/20	ChemSet-1		100	7	
356025	3:3 Fluorotelomer carboxylic acid {FTCA 3:3}	11/20	Chemset-2		100	7	
914637493	5:3 Fluorotelomer carboxylic acid {5:3 acid} {FTCA 5:3}	11/20	ChemSet-2		100	7	
53826123	6:2 Fluorotelomer carboxylic acid	11/20	ChemSet-2		100	7	
812704	7:3 Fluorotelomer carboxylic acid {FTCA 7:3}	11/20	ChemSet-2		100	7	
27854315	8:2 Fluorotelomer carboxylic acid	11/20	ChemSet-2		100	7	
53826134	10:2 Fluorotelomer carboxylic acid	11/20	ChemSet-2		100	7	
57677959	6:2 Fluorotelomer phosphate diester {6:2 diPAP}	11/20	ChemSet-2		100	7	
943913153	6:2/8:2 Fluorotelomer phosphate diester {6:2/8:2 diPAP}	11/20	ChemSet-2		100	7	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
678411	8:2 Fluorotelomer phosphate diester {8:2 diPAP}	11/20	ChemSet-2		100		7
57678010	6:2 Fluorotelomer phosphate monoester {6:2 monoPAP}	11/20	ChemSet-2		100		7
57678032	8:2 Fluorotelomer phosphate monoester {8:2 monoPAP}	11/20	ChemSet-2		100		7
425670753	6:2 Fluorotelomer sulfonate {FTS 6:2}	11/20	ChemSet-1		100		7
481071787	8:2 Fluorotelomer sulfonate	11/20	ChemSet-1		100		7
757124724	4:2 Fluorotelomer sulfonic acid {FTS 4:2}	11/20	ChemSet-1		100		7
27619972	6:2 Fluorotelomer sulfonic acid	11/20	ChemSet-1		100		7
39108344	8:2 Fluorotelomer sulfonic acid {FTS 8:2}	11/20	ChemSet-2		100		7
120226600	10:2 Fluorotelomer sulfonic acid {FTS 10:2}	11/20	ChemSet-2		100		7
70887886	6:2 Fluorotelomer unsaturated carboxylic acid	11/20	ChemSet-2		100		7
70887842	8:2 Fluorotelomer unsaturated carboxylic acid	11/20	ChemSet-2		100		7
70887944	10:2 Fluorotelomer unsaturated carboxylic acid	11/20	ChemSet-2		100		7
2355319	N-(Heptadecafluorooctylsulfonyl)-N-methylglycine {NMeFOSAA}	11/20	ChemSet-2		100		7
61798683	N-Heptadecafluoro-1,1,2,2-tetrahydrodecylpyridinium tosylate	11/20	ChemSet-2		100		7
68957620	1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-	11/20	ChemSet-2		100		7
68555760	1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-N-methyl-	11/20	ChemSet-2		100		7
68259074	1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, ammonium salt	11/20	ChemSet-2		100		7
70225159	1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compound with 2,2'-iminobis[ethanol] (1:1)	11/20	ChemSet-2		100		7
13252136	Hexafluoropropylene oxide dimer acid {HFPO} and its ammonium salt {GenX/GenX Chemicals}	11/20	ChemSet-1		100		7
62037803	Hexafluoropropylene oxide dimer acid {HFPO} and its ammonium salt {GenX/GenX Chemicals} (alt. CAS, see CAS 13252136)	11/20	ChemSet-1		100		7
135228603	Hexane, 1,6-diisocyanato-, homopolymer, gamma-omega-perfluoro-C6-20-alc.-blocked	11/20	ChemSet-2		100		7
68555759	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-	11/20	ChemSet-2		100		7
68259085	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt	11/20	ChemSet-2		100		7
70225160	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compound with 2,2'-iminobis[ethanol] (1:1)	11/20	ChemSet-2		100		7
2043530	1-Iodo-2-(perfluorooctyl)ethane	11/20	ChemSet-1		100		7
29457725	Lithium (perfluorooctane)sulfonate	11/20	ChemSet-2		100		7
2355319	N-Methyl-perfluorooctanesulfonamido acetic acid	11/20	ChemSet-2		100		7
24448097	N-Methylperfluorooctanesulfonamidoethanol {N-MeFOSE}	11/20	ChemSet-2		100		7
25268773	N-Methylperfluorooctanesulfonamidoethyl acrylate	11/20	ChemSet-2		100		7
376272	Methyl perfluorooctanoate	11/20	ChemSet-2		100		7
151772586	Nonafluoro-3,6-dioxahexanoic acid {NFDHA}	11/20	Chemset-2		100		7
17202414	1-Nonanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-nonadecafluoro-, ammonium salt	11/20	ChemSet-2		100		7
178094694	1-Octanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-hepta decafluoro-, potassium salt	11/20	ChemSet-2		100		7
70225148	1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-hepta decafluoro-, compound with 2,2'-iminobis[ethanol] (1:1)	11/20	ChemSet-2		100		7
68259096	1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-, ammonium salt	11/20	ChemSet-2		100		7
70225171	1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-, compound with 2,2'-iminobis[ethanol] (1:1)	11/20	ChemSet-2		100		7
68555748	1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-N-methyl-	11/20	ChemSet-2		100		7
71608601	Pentanoic acid, 4,4-bis[(gamma-omega-perfluoro-C8-20-alkyl)thio] derivatives	11/20	ChemSet-2		100		7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
1152	Perfluorobutane sulfonate (and salts)	11/20	ChemSet-1		100		7
375735	Perfluorobutane sulfonic acid {PFBS}	11/20	ChemSet-1		100		7
375224	Perfluorobutanoic acid {Perfluorobutyric acid} {PFBA}	11/20	ChemSet-1		100		7
126105348	Perfluorodecane sulfonate {PFDS}	11/20	ChemSet-2		100		7
335773	Perfluorodecane sulfonic acid	11/20	ChemSet-2		100		7
39108344	1H,1H,2H,2H-Perfluorodecane sulfonic acid (see 8:2 Fluorotelomer sulfonic acid)	11/20	(see cross-ref)		100		7
335762	Perfluorodecanoic acid {PFDA}	11/20	ChemSet-2		100		7
812704	2H,2H,3H,3H-Perfluorodecanoic acid {FTCA 7:3} (see 7:3 Fluorotelomer carboxylic acid)	11/20	(see cross-ref)		100		7
2043541	Perfluorodecylethyl iodide	11/20	ChemSet-2		100		7
2144549	Perfluorodecylethyl methacrylate	11/20	ChemSet-2		100		7
52299260	Perfluorodecylphosphonic acid {C10-PFPA}	11/20	ChemSet-2		100		7
79780395	Perfluorododecane sulfonate	11/20	ChemSet-2		100		7
120226600	1H,1H,2H,2H-Perfluorododecane sulfonate (see 10:2 Fluorotelomer sulfonic acid)	11/20	(see cross-ref)		100		7
1260224541	Perfluoro-1-dodecanesulfonate, sodium salt {PFDoS}	11/20	Chemset-2		100		7
70887842	2H-perfluoro-2-decenoic acid {8:2 FTUCA} {8:2 FOUEA} (see 8:2 Fluorotelomer unsaturated carboxylic acid)	11/20	(see cross-ref)		100		7
53826134	2-perfluorodecyl ethanoic acid {10:2 FDEA} (see 10:2 Fluorotelomer carboxylic acid)	11/20	(see cross-ref)		100		7
307551	Perfluorododecanoic acid {PFDoA}	11/20	ChemSet-2		100		7
39239775	Perfluorododecylethanol {PFA 12}	11/20	ChemSet-2		100		7
113507827	Perfluoro(2-ethoxyethane) sulfonic acid {PFEESA}	11/20	Chemset-2		100		7
646833	Perfluoroethylcyclohexane sulfonic acid	11/20	ChemSet-2		100		7
60270555	Perfluoroheptane sulfonate {PFHpS}	11/20	ChemSet-2		100		7
375928	Perfluoroheptane sulfonic acid	11/20	ChemSet-2		100		7
335717	Perfluoroheptanesulfonyl fluoride	11/20	ChemSet-2		100		7
375859	Perfluoroheptanoic acid {PFHpA}	11/20	ChemSet-2		100		7
67905195	Perfluorohexadecanoic acid {PFHxDA}	11/20	ChemSet-2		100		7
65104678	2-(Perfluorohexadecyl)ethanol	11/20	ChemSet-2		100		7
355464	Perfluorohexane sulfonic acid/sulfonate {PFHxS}	11/20	ChemSet-1		100		7
757124724	1H,1H,2H,2H-Perfluorohexane sulfonic acid (see 4:2 Fluorotelomer sulfonic acid)	11/20	(see cross-ref)		100		7
356025	2H,2H,3H,3H-Perfluorohexanoic acid {3:3 FTCA} (see 3:3 Fluorotelomer carboxylic acid)	11/20	(see cross-ref)		100		7
307244	Perfluorohexanoic acid {PFHxA}	11/20	ChemSet-1		100		7
53826123	2-perfluorohexyl ethanoic acid {6:2FTCA} {6:2 FHEA} (see 6:2 Fluorotelomer carboxylic acid)	11/20	(see cross-ref)		100		7
1996889	2-Perfluorohexyl ethyl methacrylate {6:2 FTMAC}	11/20	ChemSet-1		100		7
610800345	Perfluorohexylperfluorooctylphosphinic acid {6:8 PFPiA}	11/20	ChemSet-2		100		7
40143768	Perfluorohexylphosphonic acid	11/20	ChemSet-2		100		7
382218	Perfluoroisobutylene {PFIB}	11/20	ChemSet-1		1		7
30046312	Perfluorolaurylethyl iodide	11/20	ChemSet-2		100		7
6014751	Perfluorolauryl ethyl methacrylate	11/20	ChemSet-2		100		7
863090895	Perfluoro-4-methoxybutanoic acid {PFMBA}	11/20	Chemset-2		100		7
377731	Perfluoro-3-methoxypropanoic acid {PFMPA}	11/20	Chemset-2		100		7
1153	Perfluoromethylheptane sulfonic acid	11/20	ChemSet-2		100		7
31506328	Perfluoro-N-methyloctanesulfonamide {N-MeFOSA}	11/20	ChemSet-2		100		7
62037803	Perfluoro(2-methyl-3-oxahexanoic) acid {GenX/GenX Chemicals} (alt CAS, see CAS 13252136)	11/20	ChemSet-1		100		7
474511074	Perfluorononane sulfonate {PFNS}	11/20	ChemSet-2		100		7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
68259121	Perfluorononane sulfonic acid	11/20	ChemSet-2		100		7
375951	Perfluorononanoic acid {PFNA}	11/20	ChemSet-2		10		7
16517116	Perfluorooctadecanoic acid {PFODA}	11/20	ChemSet-2		100		7
65104656	2-(Perfluorooctadecyl)ethanol	11/20	ChemSet-2		100		7
754916	Perfluorooctane sulfonamide {PFOSA}	11/20	ChemSet-2		100		7
45298906	Perfluorooctane sulfonate {PFOS}	11/20	ExistGrp		100	4	7
1763231	Perfluorooctane sulfonic acid	11/20	ExistGrp		100	4	7
27619972	1H,1H,2H,2H-Perfluorooctane sulfonic acid (see 6:2 Fluorotelomer sulfonic acid)	11/20	(see cross-ref)		100		7
307357	Perfluorooctane sulfonyl fluoride	11/20	ChemSet-1		100		7
335671	Perfluorooctanoic acid {PFOA}	11/20	ExistGrp	c	10	3 4	
2795393	Perfluorooctanoic acid {PFOA} and its salts, esters, and sulfonates	11/06	e	c	10	3 4	7
335660	Perfluorooctanoic acid fluoride	11/20	ChemSet-1		100		7
914637493	2H,2H,3H,3H-Perfluorooctanoic acid {5:3 acid} {FTCA 5:3} (see 5:3 Fluorotelomer carboxylic acid)	11/20	(see cross-ref)		100		7
70887886	2H-perfluoro-2-octenoic acid {6:2 FHUEA} (see 6:2 Fluorotelomer unsaturated carboxylic acid)	11/20	(see cross-ref)		100		7
27854315	2-perfluorooctyl ethanoic acid {8:2 FTA} {8:2 FOEA} (see 8:2 Fluorotelomer carboxylic acid)	11/20	(see cross-ref)		100		7
27619905	2-(Perfluorooctyl)ethanesulfonyl chloride	11/20	ChemSet-2		100		7
21652584	Perfluorooctyl ethylene	11/20	ChemSet-2		100		7
1996889	2-(Perfluorooctyl)ethyl methacrylate	11/20	ChemSet-1		100		7
40143780	Perfluorooctylphosphonic acid {PFOPA}	11/20	ChemSet-2		100		7
2706914	Perfluoropentane sulfonic acid	11/20	ChemSet-2		100		7
2706903	Perfluoropentanoic acid {PFPeA}	11/20	ChemSet-2		100		7
175905369	Perfluoropentane sulfonate {PFPeS}	11/20	ChemSet-2		100		7
376067	Perfluorotetradecanoic acid {PFTeDA}	11/20	ChemSet-2		100		7
72629948	Perfluorotridecanoic acid {PFTrDA}	11/20	ChemSet-2		100		7
2058948	Perfluoroundecanoic acid {PFUnA}	11/20	ChemSet-2		100		7
60699516	2-(Perfluorotetradecyl)ethanol {PFA 14}	11/20	ChemSet-2		100		7
65510556	Perfluorotetradecylethyl iodide	11/20	ChemSet-2		100		7
4980534	Perfluorotetradecylethyl methacrylate	11/20	ChemSet-2		100		7
68412691	Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivatives	11/20	ChemSet-2		100		7
68412680	Phosphonic acid, perfluoro-C6-12-alkyl derivatives	11/20	ChemSet-2		100		7
74499448	Phosphoric acid, alpha-omega-perfluoro-C8-16-alkyl esters, compounds with diethanolamine	11/20	ChemSet-2		100		7
123171686	Poly(difluoromethylene), alpha-[2-(acetyloxy)-3-[(carboxymethyl)dimethylammonio]propyl]-omega-fluoro-, inner salt	11/20	ChemSet-2		100		7
65530838	Poly(difluoromethylene), alpha-[2-[(2-carboxyethyl)thio]ethyl]-omega-fluoro-	11/20	ChemSet-2		100		7
65530690	Poly(difluoromethylene), alpha-[2-[(2-carboxyethyl)thio]ethyl]-omega-fluoro-, lithium salt	11/20	ChemSet-2		100		7
65605563	Poly(difluoromethylene), alpha-fluoro-omega-(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate	11/20	ChemSet-2		100		7
65605574	Poly(difluoromethylene), alpha-fluoro-omega-(2-hydroxyethyl)-, hydrogen 2-hydroxy-1,2,3-propanetricarboxylate	11/20	ChemSet-2		100		7
65530598	Poly(difluoromethylene), alpha-fluoro-omega-(2-hydroxyethyl)-, 2-hydroxy-1,2,3-propanetricarboxylate (3:1)	11/20	ChemSet-2		100		7
65530667	Poly(difluoromethylene), alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-	11/20	ChemSet-2		100		7
65530656	Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxooctadecyl)oxy]ethyl]-	11/20	ChemSet-2		100		7
65605734	Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxo-2-propenyl)oxy]ethyl]-, homopolymer	11/20	ChemSet-2		100		7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emitting ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
65530623	Poly(difluoromethylene), alpha, alpha'-[phosphinobis(oxy-2,1-ethanediyl)]bis[omega-fluoro-	11/20	ChemSet-2		100	7	
65530703	Poly(difluoromethylene), alpha, alpha'-[phosphinobis(oxy-2,1-ethanediyl)]bis[omega-fluoro-, ammonium salt	11/20	ChemSet-2		100	7	
65530612	Poly(difluoromethylene), alpha-fluoro-omega-[2-(phosphonoxy)ethyl]-	11/20	ChemSet-2		100	7	
95144120	Poly(difluoromethylene), alpha-fluoro-omega-[2-(phosphonoxy)ethyl]-, ammonium salt	11/20	ChemSet-2		100	7	
65530725	Poly(difluoromethylene), alpha-fluoro-omega-[2-(phosphonoxy)ethyl]-, diammonium salt	11/20	ChemSet-2		100	7	
65530714	Poly(difluoromethylene), alpha-fluoro-omega-[2-(phosphonoxy)ethyl]-, monoammonium salt	11/20	ChemSet-2		100	7	
80010373	Poly(difluoromethylene), alpha-fluoro-omega-[2-sulphoethyl]-	11/20	ChemSet-2		100	7	
68958612	Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]-omega-methoxy-	11/20	ChemSet-2		100	7	
68298817	Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]-omega-hydroxy-	11/20	ChemSet-2		100	7	
68958601	Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]-omega-methoxy-	11/20	ChemSet-2		100	7	
56372237	Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl[(tridecafluorohexyl)sulfonyl]amino]ethyl]-omega-hydroxy-	11/20	ChemSet-2		100	7	
68298806	Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl[(undecafluoropentyl)sulfonyl]amino]ethyl]-omega-hydroxy-	11/20	ChemSet-2		100	7	
65545804	Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, ether with alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene) (1:1)	11/20	ChemSet-2		100	7	
70983594	Poly(oxy-1,2-ethanediyl), alpha-methyl-omega-hydroxy-, 2-hydroxy-3-[[gamma-omega-perfluoro-C6-20-alkyl]thio]propyl ethers	11/20	ChemSet-2		100	7	
68259392	Poly[oxy(methyl-1,2-ethanediyl)], alpha-[2-ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]-omega-hydroxy-	11/20	ChemSet-2		100	7	
68259381	Poly[oxy(methyl-1,2-ethanediyl)], alpha-[2-ethyl[(tridecafluorohexyl)sulfonyl]amino]ethyl]-omega-hydroxy-	11/20	ChemSet-2		100	7	
68310178	Poly[oxy(methyl-1,2-ethanediyl)], alpha-[2-ethyl[(undecafluoropentyl)sulfonyl]amino]ethyl]-omega-hydroxy-	11/20	ChemSet-2		100	7	
37338480	Polypropylene glycol mono[2-(N-ethyl perfluorooctanesulfonamido)ethyl] ether	11/20	ChemSet-2		100	7	
3107184	Potassium perfluorocyclohexyl sulfonate	11/20	ChemSet-2		100	7	
3871996	Potassium perfluorohexanesulfonate	11/20	ChemSet-2		100	7	
2991517	Potassium N-perfluorooctylsulfonyl-N-ethylglycinate	11/20	ChemSet-2		100	7	
3872251	Potassium perfluoropentanesulfonate	11/20	ChemSet-2		100	7	
1078715613	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-[2-[[gamma-omega-perfluoro-C4-20-alkyl]thio]acetyl] derivatives, inner salts	11/20	ChemSet-2		100	7	
38006745	1-Propanaminium, 3-[[heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-, chloride	11/20	ChemSet-2		100	7	
70983607	1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-, 3-[[gamma-omega-perfluoro-C6-20-alkyl]thio] derivatives, chlorides	11/20	ChemSet-2		100	7	
68555817	1-Propanaminium, N,N,N-trimethyl-3-[[pentadecafluoroheptyl)sulfonyl]amino]-, chloride	11/20	ChemSet-2		100	7	
67584581	1-Propanaminium, N,N,N-trimethyl-3-[[pentadecafluoroheptyl)sulfonyl]amino]-, iodide	11/20	ChemSet-2		100	7	
52166822	1-Propanaminium, N,N,N-trimethyl-3-[[tridecafluorohexyl)sulfonyl]amino]-, chloride	11/20	ChemSet-2		100	7	
68957584	1-Propanaminium, N,N,N-trimethyl-3-[[tridecafluorohexyl)sulfonyl]amino]-, iodide	11/20	ChemSet-2		100	7	
68957551	1-Propanaminium, N,N,N-trimethyl-3-[[undecafluoropentyl)sulfonyl]amino]-, chloride	11/20	ChemSet-2		100	7	
68957573	1-Propanaminium, N,N,N-trimethyl-3-[[undecafluoropentyl)sulfonyl]amino]-, iodide	11/20	ChemSet-2		100	7	
238420809	Propanedioic acid, mono(gamma-omega-perfluoro-C8-12-alkyl) derivatives, bis[4-(ethenoxy)butyl] esters	11/20	ChemSet-2		100	7	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
238420683	Propanedioic acid, mono(gamma-omega-perfluoro-C8-12-alkyl) derivatives, di-me esters	11/20	ChemSet-2		100	7	
148240851	1,3-Propanediol, 2,2-bis[[gamma-omega-perfluoro-C4-10-alkyl]thio]methyl] derivs., phosphates, ammonium salts	11/20	ChemSet-2		100	7	
148240873	1,3-Propanediol, 2,2-bis[[gamma-omega-perfluoro-C6-12-alkyl]thio]methyl] derivatives, phosphates, ammonium salts	11/20	ChemSet-2		100	7	
1078142105	1,3-Propanediol, 2,2-bis[[gamma-omega-perfluoro-C6-12-alkyl]thio]methyl] derivs., polymers with 2,2-bis[[gamma-omega-perfluoro-C10-20-alkyl]thio]methyl]-1,3-propanediol, 1,6-diisocyanato-2,2,4(or 2,4,4)-trimethylhexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentylcyclohexane and 2,2'-(methylimino)bis[ethanol]	11/20	ChemSet-2		100	7	
148240895	1,3-Propanediol, 2,2-bis[[gamma-omega-perfluoro-C10-20-alkyl]thio]methyl] derivatives, phosphates, ammonium salts	11/20	ChemSet-2		100	7	
68187473	1-Propanesulfonic acid, 2-methyl-, 2-[[1-oxo-3-[[gamma-omega-perfluoro-C4-16-alkyl]thio]propyl]amino] derivatives, sodium salts	11/20	ChemSet-2		100	7	
68227963	2-Propenoic acid, butyl ester, telomer with 2-[[heptadecafluorooctyl]sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly(oxy-1,4-butanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-[[2-methyl-1-oxo-2-propenyl]oxy]poly(oxy-1,4-butanediyl), 2-[methyl[[pentadecafluoroheptyl]sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[[tridecafluorohexyl]sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[[undecafluoropentyl]sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol	11/20	ChemSet-2		100	7	
68298624	2-Propenoic acid, 2-[butyl[[heptadecafluorooctyl]sulfonyl]amino]ethyl ester, telomer with 2-[butyl[[pentadecafluoroheptyl]sulfonyl]amino]ethyl 2-propenoate, methyloxirane polymer with oxirane di-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol	11/20	ChemSet-2		100	7	
65605585	2-Propenoic acid, esters, 2-methyl-, dodecyl ester, polymer with alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene)	11/20	ChemSet-2		100	7	
59071102	2-Propenoic acid, 2-[ethyl[[pentadecafluoroheptyl]sulfonyl]amino]ethyl ester	11/20	ChemSet-2		100	7	
68867607	2-Propenoic acid, 2-[[heptadecafluorooctyl]sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[[pentadecafluoroheptyl]sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[[tridecafluorohexyl]sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[[undecafluoropentyl]sulfonyl]amino]ethyl 2-propenoate and alpha-(1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediyl)	11/20	ChemSet-2		100	7	
150135572	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Bu acrylate, gamma-omega-perfluoro-C8-14-alkyl acrylate and polyethylene glycol monomethacrylate, 2,2'-azobis[2,4-dimethylpentanenitrile]-initiatec	11/20	ChemSet-2		100	7	
196316344	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with gamma-omega-perfluoro-C10-16-alkyl acrylate and vinyl acetate, acetates	11/20	ChemSet-2		100	7	
65605596	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene) and N-(hydroxymethyl)-2-propenamide	11/20	ChemSet-2		100	7	
68555919	2-Propenoic acid, 2-methyl-, 2-[ethyl[[heptadecafluorooctyl]sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[pentadecafluoroheptyl]sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[tridecafluorohexyl]sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[[undecafluoropentyl]sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate	11/20	ChemSet-2		100	7	
68239430	2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl 2-methyl-2-propenoate and N-(hydroxymethyl)-2-propenamide	11/20	ChemSet-2		100	7	

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Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
142636882	2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate	11/20	ChemSet-2		100	7	
68084628	2-Propenoic acid, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester	11/20	ChemSet-2		100	7	
200513424	2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10, 10,10- heptadecafluorodecyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate	11/20	ChemSet-2		100	7	
67584570	2-Propenoic acid, 2-[methyl[(tridecafluoroheptyl)sulfonyl]amino]ethyl ester	11/20	ChemSet-2		100	7	
67584569	2-Propenoic acid, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl ester	11/20	ChemSet-2		100	7	
83048651	Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)trimethoxy-	11/20	ChemSet-2		100	7	
78560448	Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-	11/20	ChemSet-2		100	7	
125476713	Silicic acid (H4SiO4), disodium salt, reaction products with chlorotrimethylsilane and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10- heptadecafluoro-1-decano	11/20	ChemSet-2		100	7	
143372547	Siloxanes and Silicones, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy Me, hydroxy Me, Me octyl, ethers with polyethylene glycol mono-Me ethe	11/20	ChemSet-2		100	7	
30381987	Sodium bis-[2-(N-ethylperfluorooctane-1- sulfonamido)ethyl] phosphate	11/20	ChemSet-2		100	7	
2624808	Sodium 2-(N-ethylperfluorooctane-1- sulfonamido)ethyl phosphate	11/20	ChemSet-2		100	7	
335955	Sodium perfluorooctanoate	11/20	ChemSet-2		100	7	
180582790	Sulfonic acids, C6-12-alkane, gamma-omega-perfluoro, ammonium salts	11/20	ChemSet-2		100	7	
4151502	N-Ethyl perfluorooctane sulfonamid {EtFOSA} {MeFOSAm} {Sulfuramid}	11/20	ChemSet-2		100	7	
68758576	1-Tetradecanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuoro-	11/20	ChemSet-2		100	7	
56773423	Tetraethylammonium perfluorooctylsulfonate	11/20	ChemSet-2		100	7	
13252136	2,3,3,3-Tetrafluoro-2-((1,1,2,2,3,3,3-heptafluoropropoxy)propanoic acid	11/20	ChemSet-2		100	7	
29311679	1,1,2,2-Tetrafluoro-2-((1,1,1,2,3,3-hexafluoro-3-((trifluorovinyl)oxy)-2-propanyl)oxy)ethane sulfonic acid	11/20	ChemSet-2		100	7	
34362497	1,1,2,2-Tetrahydroperfluorohexadecyl acrylate	11/20	ChemSet-2		100	7	
34395249	1,1,2,2-Tetrahydroperfluorotetradecyl acrylate	11/20	ChemSet-2		100	7	
1652637	N,N,N-Trimethyl-3-(perfluorooctylsulfonamido)propan-1-aminium iodide	11/20	ChemSet-2		100	7	
97553952	Thiocyanic acid, gamma-omega-perfluoro-C4-20-alkyl esters	11/20	ChemSet-2		100	7	
68140181	Thiols, C4-10, gamma-omega-perfluoro	11/20	ChemSet-2		100	7	
1078712885	Thiols, C4-20, gamma-omega-perfluoro, telomers with acrylamide and acrylic acid, sodium salts	11/20	ChemSet-2		100	7	
68140205	Thiols, C6-12, gamma-omega-perfluoro	11/20	ChemSet-2		100	7	
70969470	Thiols, C8-20, alpha-gamma-perfluoro, telomers with acrylamide	11/20	ChemSet-2		100	7	
68140216	Thiols, C10-20, gamma-omega-perfluoro	11/20	ChemSet-2		100	7	[19]
52645531	Permethrin	11/20	ChemSet-2		100	7	
4707715	9-Phenanthrenecarboxaldehyde [PAH-Derivative/Related, POM]	11/20	ChemSet-2		100	7	
156434	p-Phenetidine	11/20	ChemSet-2		100	7	
108952	Phenol		e		200	1 2	
108452	meta-Phenylenediamine	11/20	ChemSet-2		50	7	[19]
95545	o-Phenylenediamine and its salts	11/20	ChemSet-2	c	50	3 4	[19]
615281	o-Phenylenediamine dihydrochloride	11/20	ChemSet-2	c	50	3 4	
106503	p-Phenylenediamine	06/91	e		100	1 2	
8004135	Phenyl ether-biphenyl mixture (vapor)	11/20	ChemSet-2		100	7	
100630	Phenylhydrazine and its salts	11/20	ChemSet-2	c	50	4	
59881	Phenylhydrazine hydrochloride	11/20	ChemSet-2		100	4	

**Appendix A-I
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Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
90437	2-Phenylphenol [POM]	06/91	e		100	1 2	[19]
298022	Phorate	11/20	ChemSet-2		20	7	
75445	Phosgene		e		2	1 2	[19]
732116	Phosmet	11/20	ChemSet-2		100	7	[19]
	-- Phosphine generating compounds	11/20	ChemSet-1		100	7	[7] [19]
20859738	Aluminum Phosphide	11/20	ChemSet-1		100	7	[19]
2168685	Bis(1-aziridinyl)morpholinophosphine sulfide	11/20	ChemSet-2		100	7	[7] [19]
22398807	Indium phosphide (see Indium and compounds)	11/20	(see cross-ref)	c	50	3 4	[7] [19]
12057748	Magnesium Phosphide	11/20	ChemSet-1		100	7	[19]
638211	Phenylphosphine	11/20	ChemSet-1		50	4	[19]
57396	Tris(2-methyl-1-aziridinyl)phosphine oxide	11/20	ChemSet-1		100	7	[7] [19]
1314847	Zinc Phosphide	11/20	ChemSet-1		100	7	[19]
51810709	Zinc Phosphide (alt. CAS No. 1., see CAS 1314847)	11/20	(see cross-ref)		100	7	[19]
12037795	Zinc Phosphide (alt. CAS No. 2., see CAS 1314847)	11/20	(see cross-ref)		100	7	
7723140	Phosphorus		e		0.1	1 2	
	-- Phosphorus compounds:	09/89	e			2	
7803512	Phosphine		e		0.01	1 2	7
7664382	Phosphoric acid	09/89	e		50	1 2	
10025873	Phosphorus oxychloride	09/89	e		0.1	2	
10026138	Phosphorus pentachloride	09/89	e		0.1	2	
1314563	Phosphorus pentoxide	09/89	e		0.1	2	
7719122	Phosphorus trichloride	09/89	e		0.1	2	[20]
126738	Tributyl phosphate	09/89	e		100	2	
78400	Triethyl phosphate	09/89	e		100	2	
512561	Trimethyl phosphate	09/89	e	c	50	2 4	
78308	Triorthocresyl phosphate [POM]	09/89	e		0.5	1 2	
115866	Triphenyl phosphate [POM]	09/89	e		100	1 2	
101020	Triphenyl phosphite [POM]	09/89	e		100	1 2	
	-- Phthalates, ortho-Phthalates including:	11/20	-		100		
85687	Butyl benzyl phthalate {BBP} {BzBP}	06/91	e		100	1 4	
84742	Dibutyl phthalate {Di-n-butyl phthalate} {DBP} {DnBP}	06/91	e		100	1 2 4	
84617	Dicyclohexyl phthalate {DCHP}	11/20	ChemSet-2		100		7
117817	Di(2-ethylhexyl) phthalate {DEHP}		e	c	20	1 2 3 4 5	
84662	Diethyl phthalate	06/91	e		100		7
84753	Di-n-hexyl phthalate {DnHP}	11/20	Chemset-1		100	4	
84695	Di-isobutyl phthalate {DIBP}	11/20	ChemSet-1		100		7
26761400	Di-isodecyl phthalate	11/20	ChemSet-1		100	4 5	
68515491	Di-isodecyl phthalate, C9-11 branched esters, C10 rich	11/20	ChemSet-1		100	4 5	
89167	Di-isodecyl phthalate mixture {Bis(8-methylnonyl) phthalate}	11/20	ChemSet-1		100	4 5	
119394455	Di-isodecyl phthalate mixture {1,2-Benzenedicarboxylic acid, 4,4'-carbonylbis-, 1,1',2,2'-tetraisodecyl ester}	11/20	ChemSet-1		100	4 5	
71888896	Di-isoheptyl phthalate {DIHP}	11/20	ChemSet-2		100		7
146509	Di-isohexyl phthalate {DHP}	11/20	ChemSet-2		100		7
28553120	Di-isononyl phthalate {DINP}	11/20	ChemSet-1	c	20	4	
68515480	Di-isononyl phthalate {DINP}, C8-10 branched esters, C9 rich (alt. CAS, see CAS 28553120)	11/20	(see cross-ref)	c	20	4	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
131113	Dimethyl phthalate {DMP}	06/91	e		50	1 2	
131180	Di-n-pentyl phthalate	11/20	ChemSet-2		100		7
53306540	Di(2-propylheptyl) phthalate {DPHP}	11/20	ChemSet-2		100		7
88993	Phthalic acid	11/20	ChemSet-2		0.01		7
85449	Phthalic anhydride		e		0.01	1 2	
85416	Phthalimide	11/20	ChemSet-2		100		7
91156	Phthalonitrile {1,2-Benzenedicarbonitrile}	11/20	ChemSet-2		100		7
108996	beta-Picoline	11/20	ChemSet-2		100		7
51036	Piperonyl butoxide	11/20	ChemSet-2		100		7 [7]
7440064	Platinum and compounds	11/20	ChemSet-1		100		7
2222	Polybrominated diphenyl ethers {PBDEs}, including but not limited to:	11/06	e		1		7
1163195	Decabromodiphenyl oxide {BDE 209} [POM]	06/91	e		1	1 2	
	-- Polychlorinated dibenzo-p-dioxins {PCDDs or Dioxins} [POM] including but not limited to:		e			1 2	
1086	Dioxins, total, w/o individ. isomers reported {PCDDs} [POM]		e	c	0.000001	1 2	
1085	Dioxins, total, with individ. isomers also reported {PCDDs} [POM]		e	c	0.000001	1 2	
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin {TCDD} [POM]		e	c	0.000001	1 2 3 4 5	
40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin [POM]		e	c	0.000001	1 2	
39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin [POM]		e	c	0.000001	1 2 4	
57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin [POM]		e	c	0.000001	1 2	
19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin [POM]		e	c	0.000001	1 2	
35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin [POM]		e	c	0.000001	1 2	
3268879	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin [POM]	07/96	e	c	0.000001	1 2	
41903575	Total Tetrachlorodibenzo-p-dioxin [POM]	07/96	e	c	0.000001	1 2	
36088229	Total Pentachlorodibenzo-p-dioxin [POM]	07/96	e	c	0.000001	1 2	
34465468	Total Hexachlorodibenzo-p-dioxin [POM]	07/96	e	c	0.000001	1 2	
37871004	Total Heptachlorodibenzo-p-dioxin [POM]	07/96	e	c	0.000001	1 2	
	-- Polychlorinated dibenzofurans {PCDFs or Dibenzofurans} [POM] including but not limited to:		e	c		1 2	
1080	Dibenzofurans (Polychlorinated dibenzofurans) {PCDFs} [POM]		e	c	0.000001	1 2	
51207319	2,3,7,8-Tetrachlorodibenzofuran [POM]		e	c	0.000001	1 2	
57117416	1,2,3,7,8-Pentachlorodibenzofuran [POM]		e	c	0.000001	1 2	
57117314	2,3,4,7,8-Pentachlorodibenzofuran [POM]		e	c	0.000001	1 2 3	
70648269	1,2,3,4,7,8-Hexachlorodibenzofuran [POM]		e	c	0.000001	1 2	
57117449	1,2,3,6,7,8-Hexachlorodibenzofuran [POM]		e	c	0.000001	1 2	
72918219	1,2,3,7,8,9-Hexachlorodibenzofuran [POM]		e	c	0.000001	1 2	
60851345	2,3,4,6,7,8-Hexachlorodibenzofuran [POM]		e	c	0.000001	1 2	
67562394	1,2,3,4,6,7,8-Heptachlorodibenzofuran [POM]		e	c	0.000001	1 2	
55673897	1,2,3,4,7,8,9-Heptachlorodibenzofuran [POM]		e	c	0.000001	1 2	
39001020	1,2,3,4,6,7,8,9-Octachlorodibenzofuran [POM]	07/96	e	c	0.000001	1 2	
55722275	Total Tetrachlorodibenzofuran [POM]	07/96	e	c	0.000001	1 2	
30402154	Total Pentachlorodibenzofuran [POM]	07/96	e	c	0.000001	1 2	
55684941	Total Hexachlorodibenzofuran [POM]	07/96	e	c	0.000001	1 2	
38998753	Total Heptachlorodibenzofuran [POM]	07/96	e	c	0.000001	1 2	
61788338	Polychlorinated terphenyls {PCTs}	11/20	ChemSet-2		100		7 [15]
#	POM (Polycyclic organic matter) (including but not limited to those substances listed in Appendix A with the bracketed designation of [POM], [PAH, POM], or [PAH-Derivative, POM])	09/89	e			1 2	[19]

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
61790441	Potash soap	11/20	ChemSet-2		100	7	[19]
128030	Potassium dimethyldithiocarbamate	11/20	ChemSet-2		100	4	[19]
13492267	Potassium phosphite	11/20	ChemSet-2		100	7	[19]
32809168	Procymidone	11/20	ChemSet-2	c	50	4	
80057	4,4'-(Propane-2,2-diyl)diphenol (see Bisphenol A)	11/20	(see cross-ref)		100	1 2 6	
107039	1-Propanethiol	11/20	ChemSet-2		100	7	
1120714	1,3-Propane sultone		e	c	0.05	1 2 3 4 5	[19]
709988	Propanil	11/20	ChemSet-2		100	7	[19]
2312358	Propargite	11/20	ChemSet-2	c	50	4	
107197	Propargyl alcohol	11/20	ChemSet-2		100	7	
57578	beta-Propiolactone		e	c	10	1 2 3 4 5	
123386	Propionaldehyde	06/91	e		200	1 2	
107120	Propionitrile	11/20	ChemSet-2		100	7	
114261	Propoxur {Baygon}	06/91	e	c	50	1 2 4	
71238	n-Propyl alcohol	11/20	ChemSet-2		100	7	
106945	n-Propyl Bromide {1-Bromopropane}	11/20	ChemSet-1	c	50	3 4 5 6	[19]
627123	n-Propyl carbamate	11/20	ChemSet-2		100	7	
115071	Propylene		e		200	1 2	
6423434	Propylene glycol dinitrate	11/20	ChemSet-2		100	7	
75569	Propylene oxide		e	c	10	1 2 3 4 5	
	- 1,2-Propyleneimine (see 2-Methylaziridine)		e				[19]
23950585	Propyzamide	11/20	ChemSet-2		100	7	[19]
123312890	Pymetrozine	11/20	ChemSet-2	c	50	4	
110861	Pyridine	06/91	e	c	50	3 4	7
91225	Quinoline	06/91	e	c	50	1 2 3 4	
106514	Quinone	06/91	e		100	1 2	[16]
1165	Radionuclides including but not limited to:		e	c	100	1 2 4	
10043660	Iodine-131	09/89	e	c	100	1 2 3 4	
1166	Radon and its decay products	09/89	e	c	100	1 4	
50555	Reserpine [POM]		e	c	100	1 2 4 5	
	# Residual (heavy) fuel oils	06/91	e	c			[19]
10453868	Resmethrin	11/20	ChemSet-2	c	50	4	
483658	Retene [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5	7	[7]
7440166	Rhodium and compounds	11/20	ChemSet-1		50	7	
36791045	Ribavirin	09/90	ChemSet-2		100	4 6	[7]
7440188	Ruthenium and compounds	11/20	ChemSet-1		100	7	[19]
874967676	Sedaxane	11/20	ChemSet-2	c	0.1	4	
7782492	Selenium		e		0.5	2	[7]
	* Selenium compounds including but not limited to:		e		0.5	1 2	
7783075	Hydrogen selenide	11/06	e		0.1	7	[7]
7446346	Selenium sulfide	09/90	e	c	0.1	2 4 5	
7783791	Selenium hexafluoride	11/20	ExistGrp		100	7	
1180	Shale oils	11/20	e	c	50	3 4	
68308349	Shale oils	11/20	e	c	50	3 4	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
	1175 Silica, crystalline (respirable), in the form of quartz or cristobalite		e	c	0.1	1 3 4	
14464461	Silica, crystalline (respirable), in the form of cristobalite	11/20	ChemSet-1	c	0.1	1 3 4	
14808607	Silica, crystalline (respirable), in the form of quartz	11/20	ChemSet-1	c	0.1	1 3 4	
409212	Silicon carbide whiskers	11/20	ChemSet-2	c	50	3	
308076746	Silicon carbide, fibrous	11/20	ChemSet-2	c	50	3	
7440224	Silver	06/91	e		2		7 [7]
	* Silver compounds	06/91	e		2	1	[19]
122349	Simazine	11/20	ChemSet-2		10	4	
26628228	Sodium azide	11/20	ChemSet-2		0.1		7
7758192	Sodium chlorite	11/20	ChemSet-2		100		7
922805	Sodium diamyl sulfosuccinate	11/20	ChemSet-2		100		7
128041	Sodium dimethyldithiocarbamate	11/20	ChemSet-2		100	4	
1310732	Sodium hydroxide		e		2	1 2	
124414	Sodium methoxide	11/20	ChemSet-2		100		7 [19]
7345699	Sodium tetrathiocarbamate	11/20	ChemSet-2		100		7
	1186 Special-purpose fibres such as E-glass and '475' glass fibres	11/20	ChemSet-2	c	50	3	[19]
148477718	Spirodiclofen	11/20	ChemSet-2	c	50	4	[19]
	78488 S,S,S-Tributyl phosphorotrithioate {Tribufos}	11/20	ChemSet-2	c	2	4	
7803523	Stibine (Antimony hydride) (see Antimony Compounds)	11/20	(see cross-ref)		1	1 2 3 4	7
9003547	Styrene-acrylonitrile copolymers (must report the individual monomer components)	11/20	ChemSet-1		10		7
9003558	Styrene-butadiene copolymers (must report the individual monomer components)	11/20	ChemSet-1		10		7
100425	Styrene		e	c	10	1 2 3 4	6
98839	Styrene: Methylstyrene {alpha-Methylstyrene}	11/20	ChemSet-1	c	10	3 4	
96093	Styrene oxide		e	c	10	1 2 3 4	
9014011	Subtilisins	11/20	ChemSet-2		0.1		7
1395217	Subtilisins (alt. CAS, see CAS 9014011)	11/20	(see cross-ref)		0.1		7
108305	Succinic anhydride	11/20	ChemSet-2		100		7
57681	Sulfamethazine	11/20	ChemSet-2		100		7
41481667	4,4'-Sulfonylbis[2-(2-propen-1-yl)phenol] {TGSA}	11/20	ChemSet-2		100		7 [19]
7704349	Sulfur	11/20	ChemSet-2		100		7 [19]
7446095	Sulfur dioxide	11/20	ChemSet-1		100		7
	* Sulfuric acid and oleum		e				
8014957	Oleum	11/06	e		100		7
7446719	Sulfur trioxide	11/06	e		100		7
7664939	Sulfuric acid	06/91	e		2	1	
5714227	Sulfur pentafluoride	11/20	ChemSet-2		0.01		7
7783600	Sulfur tetrafluoride	11/20	ChemSet-2		0.01		7 [19]
2699798	Sulfuryl fluoride	11/20	ChemSet-1		10		7
54965241	Tamoxifen citrate [POM]	09/90	e	c	50	1 2 3 4 5	
100210	Terephthalic acid	06/91	e		100	1	
7783804	Tellurium hexafluoride	11/20	ChemSet-2		100		7 [19]
2593159	Terrazole	11/20	ChemSet-2	c	50	4	
79947	Tetrabromobisphenol A {TBBPA} (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants)	11/20	(see cross-ref)	c	50	3 4	

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
79276	1,1,2,2-Tetrabromoethane	11/20	ChemSet-2		100		7
632791	Tetrabromophthalic anhydride	11/20	ChemSet-2		100		7
14047097	3,3',4,4'-Tetrachloroazobenzene	11/20	ChemSet-2	c	50	3	
634662	1,2,3,4-Tetrachlorobenzene (see Chlorobenzenes)	11/20	(see cross-ref)		100		7
95943	1,2,4,5-Tetrachlorobenzene (see Chlorobenzenes)	11/20	(see cross-ref)		10		7
12408105	Tetrachlorobenzene (mixed isomers) (see Chlorobenzenes)	11/20	(see cross-ref)		100		7
15721025	2,2',5,5'-Tetrachlorobenzidine	11/20	ChemSet-1		0.0001		7
630206	1,1,1,2-Tetrachloroethane	11/20	ChemSet-1	c	50	3 4	
79345	1,1,2,2-Tetrachloroethane	09/90	e	c	1	1 2 3 4	
	- Tetrachlorophenols (see Chlorophenols)		e				
117088	Tetrachlorophthalic-anhydride	11/20	ChemSet-2		20		7
112607	Tetraethylene glycol	11/20	ChemSet-2		100		7 [7]
78002	Tetraethyllead (see Lead (other than inorganic): Tetraethyllead)	11/20	(see cross-ref)		50		7
116143	Tetrafluoroethylene	11/20	ChemSet-2	c	50	3 4 5	
100505	Tetrahydrobenzaldehyde	11/20	ChemSet-2		100		7
1191	Δ9-Tetrahydrocannabinol {Δ9-THC}	11/20	ChemSet-2		100	4	
109999	Tetrahydrofuran	11/20	ChemSet-2	c	50	3	7
119642	1,2,3,4-Tetrahydronaphthalene {Tetralin}	11/20	ChemSet-2		100		7
85438	Tetrahydrophthalic anhydride	11/20	ChemSet-2		100		7
1192	Tetrakis(hydroxymethyl)phosphonium salts including but not limited to:	11/20	ChemSet-2		100		7
124641	Tetrakis(hydroxymethyl)phosphonium chloride	11/20	ChemSet-2		100		7 [19]
55566308	Tetrakis(hydroxymethyl)phosphonium sulfate	11/20	ChemSet-2		100		7
110601	Tetramethylene-diamine	11/20	ChemSet-2		100		7
110189	Tetramethylethylenediamine	11/20	ChemSet-2		100		7
3333526	Tetramethyl succinonitrile	11/20	ChemSet-2		100		7
7440280	Thallium	06/91	e		100		7 [7]
	* Thallium compounds	06/91	e	c	100		7 [19]
148798	Thiabenzazole {TBZ}	11/20	ChemSet-2		100		7
62555	Thioacetamide		e	c	0.01	3 4 5	
96695	4,4'-Thiobis(6-tert-butyl-m-cresol)	11/20	ChemSet-2		100		7
68111	Thioglycolic acid and salts	11/20	ChemSet-2		100		7
7719097	Thionyl chloride	11/20	ChemSet-2		0.1		7 [19]
23564058	Thiophanate methyl	11/20	ChemSet-2		1	4	
62566	Thiourea		e	c	0.1	1 4 5	[19]
137268	Thiram	11/20	ChemSet-2		1		7
7440291	Thorium-232 and its decay products	11/20	ChemSet-2	c	50	3	[7]
7440315	Tin	11/20	ChemSet-2		100		7 [7]
	* Tin compounds including but not limited to:	11/20	ChemSet-2		100		7 [7]
50926119	Indium tin oxide (see Indium and compounds)	11/20	(see cross-ref)	c	50	3	[7]
1332292	Tin Oxide	11/20	ChemSet-2		100		7 [7]
13463677	Titanium dioxide	11/20	ChemSet-2	c	50	3 4 6	
7550450	Titanium tetrachloride	06/91	e		100	1 2	
108883	Toluene		e		200	1 2 4 6	
	- 2,4-Toluenediamine (see 2,4-Diaminotoluene)		e				

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
26471625	Toluene diisocyanates including but not limited to:	06/91	e	c	0.1	1 3 4	
584849	Toluene-2,4-diisocyanate		e	c	0.1	1 2 3 4 5	
91087	Toluene-2,6-diisocyanate		e	c	0.1	1 2 3 4 5	
104154	Toluene sulfonic acids	11/20	ChemSet-2		100		7
108441	m-Toluidine	11/20	ChemSet-2		100		7
95534	o-Toluidine		e	c	10	1 2 3 4 5	
8001352	Toxaphene (Polychlorinated camphenes)		e	c	100	1 2 3 4 5	[19]
43121433	Triadimefon	11/20	ChemSet-2		100	4	
118796	2,4,6-Tribromophenol (see Brominated and Chlorinated Organic Compounds used as Flame Retardants)	11/20	(see cross-ref)		100		7 [19]
78488	Tribufos (see S,S,S-Tributyl phosphorotrithioate)	11/20	(see cross-ref)	c	2	4	[20]
126738	Tributyl phosphate (see Phosphorus compounds: Tributyl phosphate)	11/20	e		100	2	[7]
2155706	Tributyltin methacrylate	11/20	ChemSet-2		100	4	
76039	Trichloroacetic acid	11/20	ChemSet-2	c	50	3 4	
634935	2,4,6-Trichloroaniline	11/20	ChemSet-2		5		7
87616	1,2,3 Trichlorobenzene (see Chlorobenzenes)	11/20	(see cross-ref)		100		7
	- 1,1,1-Trichloroethane (see Methyl chloroform)		e				
79005	1,1,2-Trichloroethane (Vinyl trichloride)	06/91	e	c	1	1 2 4	
79016	Trichloroethylene (TCE)		e	c	20	1 2 3 4	
	- 2,4,6-Trichlorophenol (see Chlorophenols)		e				[19]
136323	2,4,5-Trichlorophenol sodium salt (see Chlorophenols)	11/20	(see cross-ref)		100		7
96184	1,2,3-Trichloropropane	07/96	e	c	200	3 4	7
101202	Triclocarban	11/20	ChemSet-2		100		7
3380345	Triclosan (see Chlorophenols)	11/20	(see cross-ref)		100		7
38260014	Trientine hydrochloride	11/20	ChemSet-2		100	4	
121448	Triethylamine	06/91	e		20	1 2	
112243	Triethylenetetramine	11/20	ChemSet-2		100		6 [19]
14151721	Trifloxystrobin	11/20	ChemSet-2		100		7
1582098	Trifluralin	06/91	e		100	1 2	
552307	Trimellitic anhydride	11/20	ChemSet-2		0.1		7
75503	Trimethylamine	11/20	ChemSet-2		100		7
88051	2,4,6-Trimethylaniline	11/20	ChemSet-2		100		7
137177	2,4,5-Trimethylaniline and its strong acid salts	11/20	ChemSet-1	c	50	4	
25551137	Trimethylbenzenes including but not limited to:	11/06	e		10	1	
526738	1,2,3-Trimethylbenzene	11/20	ChemSet-1		10		7
95636	1,2,4-Trimethylbenzene	06/91	e		5	1	
108678	1,3,5-Trimethylbenzene	11/20	ChemSet-1		10		6
2245387	2,3,5-Trimethylnaphthalene {1,6,7-Trimethylnaphthalene} [Methyl-PAH, POM] (see PAH, Methyl-PAH)	11/20	(see cross-ref)		0.5		7
15625895	Trimethylolpropane triacrylate, technical grade	11/20	ChemSet-2	c	50	3	
540841	2,2,4-Trimethylpentane	06/91	e		100	1 2	
121459	Trimethyl phosphite	11/20	ChemSet-2		100		7
	1207 TRIM VX	11/20	ChemSet-2	c	50	4	
118967	2,4,6-Trinitrotoluene (see Nitrotoluenes)	11/20	(see cross-ref)	c	0.5	4	[19]
545551	Tris(1-aziridinyl)phosphine oxide	11/20	ChemSet-2		100		7

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
115968	Tris(2-chloroethyl) phosphate {TCEP} (see also Brominated and Chlorinated Organic Compounds used as Flame Retardants and Organophosphate Flame Retardants)	11/20	(see cross-ref)	c	50	4	
38571732	1,2,3-Tris(chloromethoxy)propane	11/20	ChemSet-2		50	7	[21]
13674845	Tris(1-chloro-2-propyl)phosphate {TCPP} (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants and Organophosphate Flame Retardants)	11/20	(see cross-ref)		100	7	
13674878	Tris(1,3-dichloro-2-propyl) phosphate {TCDP} {TDCPP} (see Brominated and Chlorinated Organic Compounds Used as Flame Retardants and Organophosphate Flame Retardants)	11/20	(see cross-ref)	c	10	4	[7]
7440611	Uranium and compounds	11/20	ChemSet-1		100	7	
9011056	Urea-formaldehyde {UF}	11/20	ChemSet-1		100	6	
51796	Urethane (Ethyl carbamate)		e	c	0.1	1 2 3 4 5	[17]
7440622	Vanadium (fume or dust)	06/91	e		10	7	
1314621	Vanadium pentoxide	11/06	e	c	10	2 3 4	[19]
50471448	Vinclozolin	11/20	ChemSet-2	c	50	4	
108054	Vinyl acetate	06/91	e	c	50	1 2 3	
593602	Vinyl bromide		e	c	20	1 2 3 4	
75014	Vinyl chloride		e	c	0.5	1 2 3 4 5	
9003229	Vinyl chloride-vinyl acetate copolymers (must report the individual monomer components)	11/20	ExistGrp		100	7	
100403	4-Vinylcyclohexene	07/96	e	c	5	3 4	
75025	Vinyl fluoride	07/96	e	c	200	3 4	
75354	Vinylidene chloride		e	c	20	1 2 3 4	
9011067	Vinylidene chloride-vinyl chloride copolymers (must report the individual monomer components)	11/20	ExistGrp		100	7	
106876	Vinyl cyclohexene dioxide {4-Vinyl-1-cyclohexene diepoxide}	09/90	e	c	50	3 4	
88120	N-Vinyl-2-pyrrolidone	11/20	ChemSet-2		100	7	
25013154	Vinyl toluene	11/20	ChemSet-2		100	7	
13983170	Wollastonite {Calcium silicate naturally occurring as Wollastonite}	11/20	ChemSet-2		100	7	
1206	Wood preservatives (containing arsenic and chromate)	09/89	e		100	6	
90471	Xanthone [PAH-Derivative/Related, POM]	11/20	ChemSet-2		100	7	
1330207	Xylenes (mixed) including:		e		200	1 2	6
108383	m-Xylene	06/91	e		200	1 2	
95476	o-Xylene	06/91	e		200	1 2	
106423	p-Xylene	06/91	e		200	1 2	
1300738	Xylidine	11/20	ChemSet-2		100	7	
95681	2,4-Xylidine	11/20	ChemSet-2		100	7	
95783	2,5-Xylidine	11/20	ChemSet-2		100	7	
7440655	Yttrium and compounds	11/20	ChemSet-2		100	7	[19]
315184	Zectran (Mexacarbate)	11/20	ChemSet-2		100	7	
7440666	Zinc		e		2	2	[7]
	* Zinc compounds including but not limited to:	09/89	e		2	1 2	[7]
1314132	Zinc oxide		e		2	2	[19]
137304	Ziram	11/20	ChemSet-2		50	7	
	[22] And the following functional groups:						[22]
	[22] ISOCYANATE RELATED: Any chemical containing the Isocyanate functional group	11/20	-			7	[22]

**Appendix A-I
Substances for Which Emissions Must Be Quantified**

Emittent ID [Note 1]	Substance Name [Note 2]	Add Date [Note 3]	Effective Phase [Note 23]	Carcinogen [Note 4]	Applicable Degree of Accuracy (lb/yr) [Note 5]	Source List(s) [Note 6]	Other Note(s)
[22]	Any chemical containing a single Isocyanate functional group	11/20	ChemSet-2		1	7	[22]
[22]	Any chemical containing two or more Isocyanate functional groups	11/20	ChemSet-1		0.1	7	[22]
[22]	PAH RELATED: Derivatives and substituted versions of polycyclic aromatic compounds that contain any halogen atom (chlorine, bromine, fluorine, or iodine)	11/20	ChemSet-2		0.5	7	[22]
[22]	PFAS RELATED: Substances containing any of the following functional groups of poly- and per-fluorinated chemicals	11/20	-			7	[22]
[22]	Perfluoroalkyl carbonyl, carboxylic acid, and alcohol compounds	11/20	ChemSet-2		100	7	[22]
[22]	Perfluoroalkyl sulfonyl, sulfonic acid, sulfonate and sulfonamide compounds	11/20	ChemSet-2		100	7	[22]
[22]	Perfluoroalkyl phosphate compounds	11/20	ChemSet-2		100	7	[22]
[22]	Fluorotelomer-related compounds	11/20	ChemSet-1		100	7	[22]
[22]	Per- and polyfluoroalkyl ether-based compounds	11/20	ChemSet-2		100	7	[22]
[22]	Other PFAA precursors and related compounds - perfluoroalkyl ones	11/20	ChemSet-2		100	7	[22]
[22]	Other PFAA precursors or related compounds - semifluorinated	11/20	ChemSet-2		100	7	[22]
[22]	Fluoropolymers	11/20	ChemSet-2		100	7	[22]