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*The pre-existing regulation text is set forth below in normal type. The proposed amendments are shown in underline to indicate additions and ~~strikeout~~ to indicate deletions.*

## **APPENDIX C**

### **FACILITY GUIDELINE INDEX (FACILITY "LOOK-UP" TABLE)**

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**~~APPENDIX C - I~~**

**~~RESPONSIBILITIES OF ALL FACILITIES~~**

## FACILITY GUIDELINE INDEX

NOTES FOR APPENDIX C**APPENDIX C-I  
RESPONSIBILITIES OF ALL FACILITIES**

NOTHING IN THIS APPENDIX SHALL BE CONSTRUED AS REQUIRING THAT SOURCE TESTING BE CONDUCTED FOR SUBSTANCES SET FORTH IN THIS APPENDIX. FURTHER, IN CASES WHERE A SUBSTANCE SET FORTH HEREIN IS NOT PRESENT AT A PARTICULAR FACILITY, THE FACILITY OPERATOR SHALL NOT ATTEMPT TO QUANTIFY THE EMISSIONS OF SUCH SUBSTANCE, BUT SHALL PROVIDE ADEQUATE DOCUMENTATION TO DEMONSTRATE TO THE DISTRICT THAT THE POSSIBLE PRESENCE OF THE SUBSTANCE AT THE FACILITY HAS BEEN ADDRESSED AND THAT THERE ARE NO EMISSIONS OF THE SUBSTANCE FOR SPECIFIED REASONS.

Notes For Appendix C-I

- (1) The following substance abbreviations are used throughout the index:

ADONA	=	Ammonium 4,8-dioxa-3H-perfluorononanoate
ATE	=	Allyl 2,4,6-tribromophenyl ether
BaP	=	Benzo[a]Pyrene
CFC-113	=	Chlorinated fluorocarbon
D4	=	Octamethylcyclotetrasiloxane
D5	=	Decamethylcyclopentasiloxane, Decamethyl-1,3,5,7,9,2,4,6,8,10-pentaoxapentasilcane
D6	=	Dodecamethylcyclohexasiloxane
2,4-D	=	Dichlorophenoxyacetic acid
Diesel engine PM	=	Diesel engine exhaust particulate matter
Diesel engine TOG	=	Diesel engine exhaust total organic gas
EDB	=	Ethylene dibromide
EDC	=	Ethylene dichloride
EGDMA	=	Ethylene glycol dimethacrylate
EPTC	=	Ethyl dipropylthiocarbamate
ETBE	=	Ethyl-tert-butyl ether
ETO	=	Ethylene oxide
MelQ	=	2-Amino-3,4-dimethylimidazo[4,5-f]quinoline
MelQx	=	2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline
MHF	=	Modified Hydrogen fluoride
MIBK	=	Methyl isobutyl ketone, Hexone
MOCA	=	4,4'-Methylene bis(2-chloroaniline)
MTBE	=	Methyl tert-butyl ether
PCBTf	=	1-Chloro-4-(trifluoromethyl)benzene, 4-Chlorobenzotrifluoride
Perc	=	Perchloroethylene, Tetrachloroethylene
PFOS	=	Perfluorooctanesulfonate
PFOA	=	Perfluorooctanoic acid
PBBs	=	Polybrominated biphenyls

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PCBs	=	Polychlorinated biphenyls
PAHs	=	Polycyclic aromatic hydrocarbons
POM	=	Polycyclic organic matter (other than PAHs)
1,1,1-TCA	=	1,1,1-Trichloroethane, Methyl chloroform
1,1,2-TCA	=	1,1,2-Trichloroethane, Vinyl trichloride
TCE	=	Trichloroethylene
delta-9-THC	=	delta-9-Tetrahydrocannabinol

(2) PAHs are composed of the following substances:

Acenaphthene	Dibenzo[a,e]pyrene
Acenaphthylene	Dibenzo[a,h]pyrene
Anthracene	Dibenzo[a,i]pyrene
Benz[a]anthracene	Dibenzo[a,l]pyrene
Benzo[b]fluoranthene	Fluoranthene
Benzo[j]fluoranthene	Fluorene
Benzo[k]fluoranthene	Indeno[1,2,3-cd]pyrene
Benzo[a]pyrene	Naphthalene
Benzo[g,h,i]perylene	Phenanthrene
Chrysene	Pyrene
Dibenzo[a,h]anthracene	

(3) Substances emitted by a particular device or process may not be limited to those listed in this Facility Guideline Index.

**ALL FACILITIES ARE RESPONSIBLE FOR IDENTIFYING AND ACCOUNTING FOR ANY LISTED SUBSTANCE USED, MANUFACTURED, FORMULATED, OR RELEASED; THIS APPENDIX IS NOT AN EXHAUSTIVE LIST.**

(2) Bisphenol-related chemicals refer to the following listed substances:

Bisphenol A
Bisphenol A diglycidyl ether
Bisphenol AF
Bisphenol B
Bisphenol F
Bisphenol F diglycidyl ether
Bisphenol S
4,4'-Sulfonylbis[2-(2-propen-1-yl)phenol]

(3) Boron trifluoride complexes refer to the following listed substances:

Boron trifluoride
Boron trifluoride dihydrate
Boron trifluoride ethers

(4) Chlorobenzenes refer to the following listed substances:

Chlorobenzene
Dichlorobenzenes (mixed isomers)

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1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
1,4-Dichlorobenzene  
Hexachlorobenzene  
Tetrachlorobenzene (mixed isomers)  
1,2,3,4-Tetrachlorobenzene  
1,2,4,5-Tetrachlorobenzene  
1,2,3-Trichlorobenzene  
1,2,4-Trichlorobenzene

(5) Chlorophenols refer to the following listed substances:

2-Chlorophenol  
3-Chlorophenol  
4-Chlorophenol  
2,4-Dichlorophenol  
2,5-Dichlorophenol  
Pentachlorophenol  
Tetrachlorophenols  
2,3,4,6-Tetrachlorophenol  
2,4,5-Trichlorophenol  
2,4,5-Trichlorophenol sodium salt  
2,4,6-Trichlorophenol  
Triclosan

(6) Chromium hexavalent refer to the following listed substances:

Barium chromate  
Calcium chromate  
Chromium trioxide  
Lead chromate  
Sodium dichromate  
Strontium chromate

(7) Cobalt compounds refer to the following listed substances:

Cobalt carbonate  
Cobalt carbonyl  
Cobalt hydroxide  
Cobalt oxalate  
Cobalt [III] oxide  
Cobalt [III] oxide  
Cobalt sulfide  
Cobalt acetate (tetrahydrate)  
Cobalt chloride (hexahydrate)  
Cobalt hydrocarbonyl  
Cobalt nitrate (hexahydrate)  
Cobalt octoate  
Cobalt sulfate

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\_\_\_\_ Cobalt sulfate (heptahydrate)  
\_\_\_\_ Cobalt (II) soluble salts

(8) Cresols refer to the following listed substances:

\_\_\_\_ m-Cresol  
\_\_\_\_ o-Cresol  
\_\_\_\_ p-Cresol

(9) Cyanide compounds (inorganic) refer to the following listed substances:

\_\_\_\_ Cyanamide  
\_\_\_\_ Hydrogen cyanide  
\_\_\_\_ Calcium cyanide  
\_\_\_\_ Potassium cyanide  
\_\_\_\_ Sodium cyanide

(10) Cyclosiloxanes refer to the following listed substances:

\_\_\_\_ Decamethylcyclopentasiloxane (D5)  
\_\_\_\_ Dodecamethylcyclohexasiloxane (D6)  
\_\_\_\_ Octamethylcyclotetrasiloxane (D4)

(11) Dialkylnitrosamines refer to the following listed substances:

\_\_\_\_ N-Nitrosodi-n-butylamine  
\_\_\_\_ N-Nitrosodiethanolamine  
\_\_\_\_ N-Nitrosodiethylamine  
\_\_\_\_ N-Nitrosodimethylamine  
\_\_\_\_ N-Nitrosodi-n-propylamine  
\_\_\_\_ N-Nitrosomethylethylamine  
\_\_\_\_ N-Nitrosomethyl-n-butylamine  
\_\_\_\_ N-Nitrosomethyl-n-decylamine  
\_\_\_\_ N-Nitrosomethyl-n-dodecylamine  
\_\_\_\_ N-Nitrosomethyl-n-heptylamine  
\_\_\_\_ N-Nitrosomethyl-n-hexylamine  
\_\_\_\_ N-Nitrosomethyl-n-nonylamine  
\_\_\_\_ N-Nitrosomethyl-n-octylamine  
\_\_\_\_ N-Nitrosomethyl-n-pentylamine  
\_\_\_\_ N-Nitrosomethyl-n-propylamine  
\_\_\_\_ N-Nitrosomethyl-n-tetradecylamine  
\_\_\_\_ N-Nitrosomethyl-n-undecylamine

(12) 2,4-D and salts/esters refer to the following listed substances:

\_\_\_\_ 2,4-Dichlorophenoxyacetic acid  
\_\_\_\_ 2,4-Dichlorophenoxyacetic acid salt

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2,4-Dichlorophenoxyacetic acid diethanolamine salt  
2,4-Dichlorophenoxyacetic acid dimethylamine salt  
2,4-Dichlorophenoxyacetic acid isopropylamine salt  
2,4-Dichlorophenoxyacetic acid isopropanolamine salt  
2,4-Dichlorophenoxyacetic acid butoxyethyl ester  
2,4-Dichlorophenoxyacetic acid butyl ester  
2,4-Dichlorophenoxyacetic acid 2-ethylhexyl ester  
2,4-Dichlorophenoxyacetic acid isopropyl ester  
2,4-Dichlorophenoxyacetic acid isooctyl ester  
2,4-Dichlorophenoxyacetic acid choline salt

(13) Dioxins refer to the following listed substances:

2,3,7,8-Tetrachlorodibenzo-p-dioxin  
1,2,3,7,8-Pentachlorodibenzo-p-dioxin  
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin  
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin  
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin  
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin  
Total Tetrachlorodibenzo-p-dioxin  
Total Pentachlorodibenzo-p-dioxin  
Total Hexachlorodibenzo-p-dioxin  
Total Heptachlorodibenzo-p-dioxin

(14) Epoxy resins refer to the following listed substances:

Epikote ®  
Epikote 1055  
Epon ®  
Resin 828

(15) Flame retardants refer to the following listed substances:

Allyl 2,4,6-tribromophenyl ether  
2,2-Bis(bromomethyl)-1,3-propanediol  
2,2-Bis(chloromethyl)trimethylene bis[bis(2-chloroethyl)phosphate]  
Bis(2-ethyl-1-hexyl)tetrabromophthalate  
Bis(hexachlorocyclopentadieno)cyclooctane  
1,2-Bis(2,4,6-tribromophenoxy)ethane  
Brominated polystyrenes  
2-Bromoallyl 2,4,6-tribromophenyl ether  
Chlorendic acid  
Chlorinated paraffins  
Decabromodiphenyl ethane  
Decabromodiphenyl ether  
1,2-Dibromo-4-(1,2-dibromoethyl)cyclohexane  
2,4-Dibromophenol  
2,3-Dibromopropyl-2,4,6-tribromophenyl ether



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2-Ethyl-1-hexyl-2,3,4,5-tetrabromobenzoate  
Firemaster® 550  
Hexabromobenzene  
2,2',4,4',5,5'-Hexabromobiphenyl  
Hexabromobiphenyl mixture including Firemaster FF-1  
Hexabromobiphenyls  
Hexabromocyclododecane  
Hexachlorocyclopentadienyl-dibromocyclooctane  
2-Hydroxypropyl 2-(2-hydroxyethyl)ethyl tetrabromophthalate  
Isobutoxypentabromocyclododecanes  
Octabromotrimethylphenylindane  
Polybrominated diphenyl ethers  
Pentabromoethylbenzene  
Pentabromophenol  
Pentabromotoluene  
1,1'-Sulfonylbis[3,5-dibromo-4-(2,3-dibromopropoxy) benzene  
Tetrabromobisphenol A  
Tetrabromobisphenol A bis(2,3-dibromopropyl) ether  
Tetrabromobisphenol A bis(2-hydroxyethyl) ether  
Tetrabromobisphenol A diallyl ether  
Tetrabromophthalic acid, mixed esters  
2,3,5,6-Tetrabromo-p-xylene  
Tribromoneopentylalcohol  
2,4,6-Tribromophenol  
Tris(2-chloroethyl) phosphate  
Tris(1-chloro-2-propyl)phosphate  
Tris(2,3-dibromopropyl) isocyanurate  
Tris(2,3-dibromopropyl) phosphate  
Tris(1,3-dichloro-2-propyl) phosphate  
Tris(2,3-dichloro-1-propyl) phosphate  
Tris(tribromoneopentyl)phosphate  
2,4,6-Tris(2,4,6-tribromophenoxy)-1,3,5-triazine  
Aluminum diethyl phosphinate  
Bisphenol A bis(diphenyl phosphate)  
Dimethyl methylphosphonate  
Resorcinol bis(diphenylphosphate)  
Tri-n-butyl phosphate  
Tricresyl phosphate  
Triphenyl phosphate  
Dimethyl glutarate

(16) Fluorocarbons (Chlorinated) refer to the following listed substances:

CFC-113  
Chlorodifluoromethane  
Dichlorodifluoromethane  
Dichlorofluoromethane  
Trichlorofluoromethane  
trans-1-Chloro-3,3,3-trifluoropropene  
trans-1,3,3,3-Tetrafluoropropylene

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(17) Fusarium refer to the following listed substances:

Fumonisin B1  
Fumonisin B2  
Fusarin C

(18) Glycol ethers and their acetates refer to the following listed substances:

Diethylene glycol  
Diethylene glycol dibutyl ether  
Diethylene glycol dimethyl ether  
Diethylene glycol monobutyl ether  
Diethylene glycol monobutyl ether acetate  
Diethylene glycol monoethyl ether  
Diethylene glycol monoethyl ether acetate  
Diethylene glycol monohexyl ether  
Diethylene glycol monomethyl ether  
Diethylene glycol monomethyl ether acetate  
Dipropylene glycol  
Dipropylene glycol monomethyl ether  
Ethylene glycol diacetate  
Ethylene glycol dibutyl ether  
Ethylene glycol diethyl ether  
Ethylene glycol dimethacrylate  
Ethylene glycol dimethyl ether  
Ethylene glycol monoacetate  
Ethylene glycol monobutyl ether  
Ethylene glycol monobutyl ether acetate  
Ethylene glycol monoethyl ether  
Ethylene glycol monoethyl ether acetate  
Ethylene glycol monohexyl ether  
Ethylene glycol monomethyl ether  
Ethylene glycol monomethyl ether acetate  
Ethylene glycol monooctyl ether  
Ethylene glycol monophenyl ether  
Ethylene glycol monopropyl ether  
Propylene glycol t-butyl ether  
Propylene glycol monomethyl ether  
Propylene glycol monomethyl ether acetate  
Triethylene glycol dimethyl ether  
Triethylene glycol monoethyl ether  
Triethylene glycol monomethyl ether

(19) Hexachlorocyclohexanes refer to the following listed substances:

alpha-Hexachlorocyclohexane  
beta-Hexachlorocyclohexane  
Lindane

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(20) Isocyanates refer to the following listed substances:

Amino isocyanates  
1,6-Hexamethylene amino isocyanate  
4,4-Methylenebisphenyl amino isocyanate  
2,4-Toluene amino isocyanate  
2,6-Toluene amino isocyanate  
4,2-Toluene amino isocyanate  
Diisocyanates  
3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
1,6-Hexamethylene diisocyanate  
Isophorone diisocyanate  
Isophorone diisocyanate isomers  
Methylene diphenyl diisocyanate  
1,5-Naphthalene diisocyanate  
Mono isocyanates  
Ethyl isocyanate  
Methyl isocyanate  
Propyl isocyanate  
Phenyl isocyanate  
Polymeric HDI and prepolymers  
Biuret  
Diisocyanurate  
HDI Prepolymer  
Isocyanurate  
Uritidone  
Toluene diisocyanates  
Toluene-2,4-diisocyanate  
Toluene-2,6-diisocyanate

(21) Mineral fibers (manmade) refer to the following listed substances:

Ceramic fibers  
Glasswool fibers  
Rockwool  
Slagwool

(22) Mineral fibers (asbestos and related) refer to the following listed substances:

Asbestos  
Actinolite  
Amosite  
Anthophyllite  
Chrysotile  
Crocidolite  
Tremolite  
Erionite  
Fluoro-edenite fibrous amphibole  
Talc containing asbestiform fibers

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(23) Nickel compounds refer to the following listed substances:

Nickel acetate  
Nickel carbonate  
Nickel carbonyl  
Nickel chloride  
Nickel hydroxide  
Nickel nitrate  
Nickelocene  
Nickel oxide  
Nickel subsulfide  
Nickel sulfate  
Nickel refinery dust

(24) Nitrosamines refer to the following listed substances:

Dialkylnitrosamines  
4-(N-nitrosomethylamino)-1-(3-pyridyl)-1-butanone (NNK)  
N-Methyl N'-nitro-N-nitrosoguanidine  
p-Nitrosodiphenylamine  
N-Nitrosodi-n-butylamine  
N-Nitrosodiethanolamine  
N-Nitrosodiethylamine  
N-Nitrosodimethylamine  
N-Nitrosodi-n-propylamine  
N-Nitroso-N-ethylurea  
N-Nitrosomethylethylamine  
N-Nitroso-N-methylurethane  
N-Nitrosomethylvinylamine  
N-Nitroso-N-methylurea  
N-Nitrosomorpholine  
N-Nitrosornicotine  
N-Nitrosopiperidine  
N-Nitrosopyrrolidine  
N-Nitrososarcosine

(25) Nitrotoluenes refer to the following listed substances:

2-Nitrotoluene  
3-Nitrotoluene  
4-Nitrotoluene  
Dinitrotoluenes (mixed isomers)  
2,4-Dinitrotoluene  
2,4-Dinitrotoluene, sulfurized  
2,6-Dinitrotoluene  
3,5-Dinitrotoluene  
2,4,6-Trinitrotoluene

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(26) Nonylphenol ethoxylates refer to the following listed substances:

2-(Nonylphenoxy)ethanol  
2-[2-(4-Nonylphenoxy)ethoxy]ethanol  
2-[2-(Nonylphenoxy)ethoxy]ethanol

(27) Parabens refer to the following listed substances:

Butylparaben  
Ethylparaben  
Methylparaben  
n-Propylparaben

(28) PAHs and PAH-related compounds refer to the following listed substances:

Acenaphthene  
Acenaphthylene  
1-Amino-2,4-dibromoanthraquinone  
Anthracene  
Anthracene oil or paste  
Anthraquinone  
Benz[a]anthracene  
Benz[j]aceanthrylene  
Benzo(a)fluoranthene  
Benzo[b]fluoranthene  
Benzo[g,h,i]fluoranthene  
Benzo[j]fluoranthene  
Benzo[k]fluoranthene  
Benzo[c]fluorene  
Benzo[g,h,i]perylene  
Benzo[c]phenanthrene  
Benzo[a]pyrene  
Benzo[e]pyrene  
Carbazole  
2-Chloronaphthalene  
Chrysene  
Coal tars  
Coronene  
Dibenz[a,c]anthracene  
Dibenz[a,h]anthracene  
Dibenz[a,i]anthracene  
Dibenzo[a,e]pyrene  
Dibenzo[a,h]pyrene  
Dibenzo[a,i]pyrene  
Dibenzo[a,l]pyrene  
Dibenzo[e,l]pyrene  
Fluoranthene  
Fluorene  
Indeno[1,2,3-cd]pyrene

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9-Methylanthracene  
12-Methylbenz(a)anthracene  
Methylbenzopyrene  
6-Methylchrysene  
2-Methylnaphthalene  
1-Methylphenanthrene  
1-Methylpyrene  
Naphthalene  
1,5-Naphthalenediamine  
7-Nitrobenz(a)anthracene  
3-Nitrobenzanthrone  
6-Nitrobenzo(a)pyrene  
3-Nitrofluoranthene  
1-Nitronaphthalene  
2-Nitronaphthalene  
2-Nitropyrene  
Perylene  
Phenanthrene  
Pyrene  
Benzanthrone  
1-Naphthaldehyde  
2-Nitroanthracene  
3-Nitrophenanthrene  
9-Nitrophenanthrene  
Anthanthrene  
Benz(a)anthracene-7,12-dione  
Benzo(b)chrysene  
Fluorenone  
1,2-Dimethylnaphthalene  
1,6-Dimethylnaphthalene  
2,6-Dimethylnaphthalene  
1,7-Dimethylphenanthrene  
2-Methylanthracene  
3-Methylchrysene  
1-Methylfluoranthene  
3-Methylfluoranthene  
2-Methylphenanthrene  
3-Methylphenanthrene  
9-Methylphenanthrene  
4-Methylpyrene  
Retene  
2,3,5-Trimethylnaphthalene  
Xanthone  
9-Phenanthrenecarboxaldehyde

(29) PBBs refer to the following listed substances:

Decabromobiphenyl  
2,2',4,4',5,5'-Hexabromobiphenyl  
Hexabromobiphenyl mixture including Firemaster FF-1  
Octabromobiphenyl

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Firemaster® BP-6

(30) Perfluoro and polyfluoro compounds refer to the following listed substances:

Ammonium 4,8-dioxa-3H-perfluorononanoate  
Bis(perfluorohexyl)phosphinic acid  
2-(N-Ethyl-perfluorooctanesulfonamido)acetic acid  
6:2 Fluorotelomer acetate  
8:2 Fluorotelomer acetate  
10:2 Fluorotelomer acetate  
6:2 Fluorotelomer acrylate  
8:2 Fluorotelomer acrylate  
10:2 Fluorotelomer acrylate  
6:2 Fluorotelomer alcohol  
8:2 Fluorotelomer alcohol  
5:3 Fluorotelomer carboxylic acid  
6:2 Fluorotelomer carboxylic acid  
7:3 Fluorotelomer carboxylic acid  
8:2 Fluorotelomer carboxylic acid  
10:2 Fluorotelomer carboxylic acid  
6:2 Fluorotelomer phosphate diester  
6:2/8:2 Fluorotelomer phosphate diester  
8:2 Fluorotelomer phosphate diester  
6:2 Fluorotelomer phosphate monoester  
8:2 Fluorotelomer phosphate monoester  
6:2 Fluorotelomer sulfonate  
8:2 Fluorotelomer sulfonate  
4:2 Fluorotelomer sulfonic acid  
6:2 Fluorotelomer sulfonic acid  
8:2 Fluorotelomer sulfonic acid  
6:2 Fluorotelomer unsaturated carboxylic acid  
8:2 Fluorotelomer unsaturated carboxylic acid  
10:2 Fluorotelomer unsaturated carboxylic acid  
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine  
Hexafluoropropylene oxide dimer acid and its ammonium salt  
Lithium (perfluorooctane)sulfonate  
Methyl perfluorooctanoate  
Perfluorobutane sulfonate  
Perfluorobutane sulfonic acid  
Perfluorobutanoic acid  
Perfluorodecane sulfonate  
Perfluorodecane sulfonic acid  
Perfluorodecanoic acid  
Perfluorodecylphosphonic acid  
Perfluorododecanoic acid  
Perfluoroethylcyclohexane sulfonic acid  
Perfluoroheptane sulfonate  
Perfluoroheptane sulfonic acid  
Perfluoroheptanoic acid  
Perfluorohexadecanoic acid  
Perfluorohexane sulfonate

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Perfluorohexanoic acid  
Perfluorohexylperfluorooctylphosphonic acid  
Perfluorohexylphosphonic acid  
Perfluoroisobutylene  
Perfluoromethylheptane sulfonic acid  
Perfluoro(2-methyl-3-oxahexanoic) acid and GenX Chemicals  
Perfluorononane sulfonate  
Perfluorononane sulfonic acid  
Perfluorononanoic acid  
Perfluorooctadecanoic acid  
Perfluorooctane sulfonamide  
Perfluorooctane sulfonate  
Perfluorooctane sulfonic acid  
Perfluorooctane sulfonyl fluoride  
Perfluorooctanoic acid  
Perfluorooctanoic acid and its salts, esters, and sulfonates  
Perfluorooctylphosphonic acid  
Perfluoropentane sulfonic acid  
Perfluoropentanoic acid  
Perfluoropentane sulfonate  
Perfluorotetradecanoic acid  
Perfluorotridecanoic acid  
Perfluoroundecanoic acid  
Sodium bis-[2-(N-ethylperfluorooctane-1- sulfonamido)ethyl] phosphate  
Sodium 2-(N-ethylperfluorooctane-1- sulfonamido)ethyl phosphate  
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propanoic acid  
1,1,2,2-Tetrafluoro-2-({1,1,1,2,2,3,3-hexafluoro-3-[(trifluorovinyl)oxy]-2-propanyl}oxy)ethane sulfonic acid  
Alcohols, C8-14, gamma-omega-perfluoro  
Alkenes, C8-14 alpha-, delta-omega-perfluoro  
Alkyl iodides, C4-20, gamma-omega-perfluoro  
Ammonium perfluorodecylsulfonate  
Ammonium perfluorooctanoate  
Ammonium perfluorooctylsulfonate  
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  
Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-4-oxo-, 2(or 3)-[(gamma-omega-perfluoro-C6-20-alkyl)thio] derivatives  
N-Butylperfluorooctanesulphonamido ethyl acrylate  
N-Butylperfluorooctanesulphonamido ethyl alcohol  
Chromium (III) perfluorooctanoate  
Cyclohexanesulfonic acid, decafluoro(pentafluoroethyl)-, potassium salt  
Cyclohexanesulfonic acid, decafluoro(trifluoromethyl)-, potassium salt  
Cyclohexanesulfonic acid, nonafluorobis(trifluoromethyl)-, potassium salt  
Disulfides, bis(gamma-omega-perfluoro-C6-20-alkyl)  
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-  
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  
Ethaneperoxoic acid, reaction products with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl thiocyanate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl thiocyanate  
Ethanol, 2,2'-iminobis-, compound with alpha, alpha'-[phosphinobis(oxy-2,1-ethanediyl)]bis[omega-fluoropoly(difluoromethylene)] (1:1)  
Ethanol, 2,2'-iminobis-, compound with alpha-fluoro-omega-[2-(phosphonoxy)ethyl]poly(difluoromethylene) (1:1)  
Ethanol, 2,2'-iminobis-, compound with alpha-fluoro-omega-[2-(phosphonoxy)ethyl]poly(difluoromethylene) (2:1)  
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-[3-(trimethoxysilyl)propyl]-1-octanesulfonamide  
N-Ethyl-N-(2-hydroxyethyl)perfluorooctanesulfonamide phosphate monoester diammonium salt



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2-(N-Ethylperfluorooctanesulfonamido)ethyl acrylate  
N-Ethylperfluorooctanesulfonamidoethyl alcohol  
N-Ethylperfluorooctylsulfonamidoethyl methacrylate  
N-Ethyl-N-polyoxyethylene-perfluorooctanesulfonamide  
Fatty acids, C6-18, perfluoro, ammonium salts  
Fatty acids, C7-13, perfluoro, ammonium salts  
Fatty acids, linseed-oil, gamma-omega-perfluoro-C8-14-alkyl esters  
Glycine, N-ethyl-N-[(pentadecafluoroheptyl)sulfonyl]-, potassium salt  
Glycine, N-ethyl-N-[(tridecafluorohexyl)sulfonyl]-, potassium salt  
Glycine, N-ethyl-N-[(undecafluoropentyl)sulfonyl]-, potassium salt  
Glycine, N-[(heptadecafluorooctyl)sulfonyl]-N-propyl-, potassium salt  
10:2 Fluorotelomer alcohol  
N-Heptadecafluoro-1,1,2,2-tetrahydrodecylpyridinium tosylate  
1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-  
1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-N-methyl-  
1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, ammonium salt  
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)  
Hexane, 1,6-diisocyanato-, homopolymer, gamma-omega-perfluoro-C6-20-alc.-blocked  
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-  
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt  
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)  
1-Iodo-2-(perfluorooctyl)ethane  
N-Methylperfluorooctanesulfonamidoethanol  
N-Methylperfluorooctanesulfonamidoethyl acrylate  
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  
1-Octanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt  
1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, compound with 2,2'-iminobis[ethanol] (1:1)  
1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-, ammonium salt  
1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-, compound with 2,2'-iminobis[ethanol] (1:1)  
1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-N-methyl-  
Pentanoic acid, 4,4-bis[(gamma-omega-perfluoro-C8-20-alkyl)thio] derivatives  
Perfluorodecylethyl iodide  
Perfluorodecylethyl methacrylate  
Perfluorododecylethanol  
Perfluoroheptanesulfonyl fluoride  
2-(Perfluorohexadecyl)ethanol  
2-Perfluorohexyl ethyl methacrylate  
Perfluorolauryl ethyl iodide  
Perfluorolauryl ethyl methacrylate  
Perfluoro-N-methyloctanesulfonamide  
2-(Perfluorooctadecyl)ethanol  
Perfluorooctanoic acid fluoride  
2-(Perfluorooctyl)ethanesulfonyl chloride  
Perfluorooctyl ethylene  
2-(Perfluorooctyl)ethyl methacrylate  
2-(Perfluorotetradecyl)ethanol  
Perfluorotetradecylethyl iodide  
Perfluorotetradecylethyl methacrylate  
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivatives  
Phosphonic acid, perfluoro-C6-12-alkyl derivatives  
Phosphoric acid, alpha-omega-perfluoro-C8-16-alkyl esters, compounds with diethanolamine  
Poly(difluoromethylene), alpha-[2-(acetoxy)-3-[(carboxymethyl)dimethylammonio]propyl]-omega-fluoro-, inner salt

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Poly(difluoromethylene), alpha-[2-[(2-carboxyethyl)thio]ethyl]-omega-fluoro-  
Poly(difluoromethylene), alpha-[2-[(2-carboxyethyl)thio]ethyl]-omega-fluoro-, lithium salt  
Poly(difluoromethylene), alpha-fluoro-omega-(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate  
Poly(difluoromethylene), alpha-fluoro-omega-(2-hydroxyethyl)-, hydrogen 2-hydroxy-1,2,3-propanetricarboxylate  
Poly(difluoromethylene), alpha-fluoro-omega-(2-hydroxyethyl)-, 2-hydroxy-1,2,3-propanetricarboxylate (3:1)  
Poly(difluoromethylene), alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-  
Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxooctadecyl)oxy]ethyl]-  
Poly(difluoromethylene), alpha-fluoro-omega-[2-[(1-oxo-2-propenyl)oxy]ethyl]-, homopolymer  
Poly(difluoromethylene), alpha, alpha'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[omega-fluoro-  
Poly(difluoromethylene), alpha, alpha'-[phosphinicobis(oxy-2,1-ethanediyl)]bis[omega-fluoro-, ammonium salt  
Poly(difluoromethylene), alpha-fluoro-omega-[2-(phosphonoxy)ethyl]-  
Poly(difluoromethylene), alpha-fluoro-omega-[2-(phosphonoxy)ethyl]-, ammonium salt  
Poly(difluoromethylene), alpha-fluoro-omega-[2-(phosphonoxy)ethyl]-, diammonium salt  
Poly(difluoromethylene), alpha-fluoro-omega-[2-(phosphonoxy)ethyl]-, monoammonium salt  
Poly(difluoromethylene), alpha-fluoro-omega-[2-sulphoethyl]-  
Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl]([heptadecafluorooctyl)sulfonyl]amino]ethyl]-omega-methoxy-  
Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl]([pentadecafluoroheptyl)sulfonyl]amino]ethyl]-omega-hydroxy-  
Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl]([pentadecafluoroheptyl)sulfonyl]amino]ethyl]-omega-methoxy-  
Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl]([tridecafluorohexyl)sulfonyl]amino]ethyl]-omega-hydroxy-  
Poly(oxy-1,2-ethanediyl), alpha-[2-ethyl]([undecafluoropentyl)sulfonyl]amino]ethyl]-omega-hydroxy-  
Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, ether with alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene) (1:1)  
Poly(oxy-1,2-ethanediyl), alpha-methyl-omega-hydroxy-, 2-hydroxy-3-[(gamma-omega-perfluoro-C6-20-alkyl)thio]propyl ethers  
Poly[oxy(methyl-1,2-ethanediyl)], alpha-[2-ethyl]([pentadecafluoroheptyl)sulfonyl]amino]ethyl]-omega-hydroxy-  
Poly[oxy(methyl-1,2-ethanediyl)], alpha-[2-ethyl]([tridecafluorohexyl)sulfonyl]amino]ethyl]-omega-hydroxy-  
Poly[oxy(methyl-1,2-ethanediyl)], alpha-[2-ethyl]([undecafluoropentyl)sulfonyl]amino]ethyl]-omega-hydroxy-  
Polypropylene glycol mono[2-(N-ethyl perfluorooctanesulfonamido)ethyl] ether  
Potassium perfluorocyclohexyl sulfonate  
Potassium perfluorohexanesulfonate  
Potassium N-perfluorooctylsulfonyl-N-ethylglycinate  
Potassium perfluoropentanesulfonate  
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-[2-[(gamma-omega-perfluoro-C4-20-alkyl)thio]acetyl] derivatives, inner salts  
1-Propanaminium, 3-[[heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-, chloride  
1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-, 3-[(gamma-omega-perfluoro-C6-20-alkyl)thio] derivatives, chlorides  
1-Propanaminium, N,N,N-trimethyl-3-[[pentadecafluoroheptyl)sulfonyl]amino]-, chloride  
1-Propanaminium, N,N,N-trimethyl-3-[[pentadecafluoroheptyl)sulfonyl]amino]-, iodide  
1-Propanaminium, N,N,N-trimethyl-3-[[tridecafluorohexyl)sulfonyl]amino]-, chloride  
1-Propanaminium, N,N,N-trimethyl-3-[[tridecafluorohexyl)sulfonyl]amino]-, iodide  
1-Propanaminium, N,N,N-trimethyl-3-[[undecafluoropentyl)sulfonyl]amino]-, chloride  
1-Propanaminium, N,N,N-trimethyl-3-[[undecafluoropentyl)sulfonyl]amino]-, iodide  
Propanedioic acid, mono(gamma-omega-perfluoro-C8-12-alkyl) derivatives, bis[4-(ethenyl)oxy]butyl] esters  
Propanedioic acid, mono(gamma-omega-perfluoro-C8-12-alkyl) derivatives, di-me esters  
1,3-Propanediol, 2,2-bis[[gamma-omega-perfluoro-C10-20-alkyl]thio]methyl] derivs., phosphates, ammonium salts  
1,3-Propanediol, 2,2-bis[[gamma-omega-perfluoro-C6-12-alkyl]thio]methyl] derivatives, phosphates, ammonium salts  
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]  
1,3-Propanediol, 2,2-bis[[gamma-omega-perfluoro-C10-20-alkyl]thio]methyl] derivatives, phosphates, ammonium salts  
1-Propanesulfonic acid, 2-methyl-, 2-[[1-oxo-3-[(gamma-omega-perfluoro-C4-16-alkyl)thio]propyl]amino] derivatives, sodium salts  
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  
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-

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propenoate, methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol  
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)  
2-Propenoic acid, 2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester  
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)  
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]-initiated  
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with gamma-omega-perfluoro-C10-16-alkyl acrylate and vinyl acetate, acetates  
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  
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  
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  
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  
2-Propenoic acid, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester  
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  
2-Propenoic acid, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl ester  
2-Propenoic acid, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl ester  
Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)trimethoxy-  
Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-  
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-decanol  
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 ether  
Sodium perfluorooctanoate  
Sulfonic acids, C6-12-alkane, gamma-omega-perfluoro, ammonium salts  
Sulfluramid  
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-  
Tetraethylammonium perfluorooctylsulfonate  
1,1,2,2-Tetrahydroperfluorohexadecyl acrylate  
1,1,2,2-Tetrahydroperfluorotetradecyl acrylate  
N,N,N-Trimethyl-3-(perfluorooctylsulfonamido)propan-1-aminium iodide  
Thiocyanic acid, gamma-omega-perfluoro-C4-20-alkyl esters  
Thiols, C4-10, gamma-omega-perfluoro  
Thiols, C4-20, gamma-omega-perfluoro, telomers with acrylamide and acrylic acid, sodium salts  
Thiols, C6-12, gamma-omega-perfluoro  
Thiols, C8-20, alpha-gamma-perfluoro, telomers with acrylamide  
Thiols, C10-20, gamma-omega-perfluoro

(31) Phosphorus compounds refer to the following listed substances:

Phosphine  
Phosphoric acid  
Phosphorus oxychloride  
Phosphorus pentachloride  
Phosphorus pentoxide  
Phosphorus trichloride  
Tributyl phosphate  
Triethyl phosphine

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Trimethyl phosphate  
Triorthocresyl phosphate  
Triphenyl phosphate  
Triphenyl phosphite

(32) Phthalates refer to the following listed substances:

Butyl benzyl phthalate  
Dibutyl phthalate  
Dicyclohexyl phthalate  
Di(2-ethylhexyl) phthalate  
Diethyl phthalate  
Di-n-hexyl phthalate  
Di-isobutyl phthalate  
Di-isodecyl phthalate  
Di-isodecyl phthalate mixture  
Di-isononyl phthalate  
Dimethyl phthalate  
Di-n-pentyl phthalate  
Phthalic acid

(33) Polychlorinated dibenzofurans refer to the following listed substances:

2,3,7,8-Tetrachlorodibenzofuran  
1,2,3,7,8-Pentachlorodibenzofuran  
2,3,4,7,8-Pentachlorodibenzofuran  
1,2,3,4,7,8-Hexachlorodibenzofuran  
1,2,3,6,7,8-Hexachlorodibenzofuran  
1,2,3,7,8,9-Hexachlorodibenzofuran  
2,3,4,6,7,8-Hexachlorodibenzofuran  
1,2,3,4,6,7,8-Heptachlorodibenzofuran  
1,2,3,4,7,8,9-Heptachlorodibenzofuran  
1,2,3,4,6,7,8,9-Octachlorodibenzofuran  
Total Tetrachlorodibenzofuran  
Total Pentachlorodibenzofuran  
Total Hexachlorodibenzofuran  
Total Heptachlorodibenzofuran

(34) Radionuclides refer to the following listed substances:

Iodine-131  
Radon and its decay products  
Thorium-232 and its decay products

(35) Styrene and copolymers refer to the following listed substances:

Styrene  
Styrene-acrylonitrile copolymers

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\_\_\_\_ Styrene-butadiene copolymers  
\_\_\_\_ Methylstyrene  
\_\_\_\_ Styrene oxide

(36) Tetrakis(hydroxymethyl)phosphonium salts refer to the following listed substances:

\_\_\_\_ Tetrakis(hydroxymethyl)phosphonium chloride  
\_\_\_\_ Tetrakis(hydroxymethyl)phosphonium sulfate

(37) Toluene diisocyanates refer to the following listed substances:

\_\_\_\_ Toluene-2,4-diisocyanate  
\_\_\_\_ Toluene-2,6-diisocyanate

(38) Trimethylbenzenes refer to the following listed substances:

\_\_\_\_ 1,2,3-Trimethylbenzene  
\_\_\_\_ 1,2,4-Trimethylbenzene  
\_\_\_\_ 1,3,5-Trimethylbenzene

(39) Xylenes refer to the following listed substances:

\_\_\_\_ m-Xylene  
\_\_\_\_ o-Xylene  
\_\_\_\_ p-Xylene

(40) Substances emitted by a particular device or process may not be limited to those listed in this Facility Guideline Index.

**ALL FACILITIES ARE RESPONSIBLE FOR IDENTIFYING AND ACCOUNTING FOR ANY LISTED SUBSTANCE USED, MANUFACTURED, FORMULATED, OR RELEASED; THIS APPENDIX IS NOT AN EXHAUSTIVE LIST.**

(541) This Facility Guideline Index is arranged in alphabetical order. The first part of the index, Appendix C-I, lists devices common to many industries and the second part of the index, Appendix C-II, lists industry types. Extensive cross-referencing has been incorporated into the index, particularly in Appendix C-II, to identify industries and processes known by alternative names. It may be necessary to consult alternate names to locate a given industry type. Furthermore, more than one industry type may apply to a given facility.

(42) Sample SIC codes have been provided for some industry sectors in Appendix C-II to assist facilities in locating the list(s) of substances likely to be emitted by their industry. These SIC codes are not intended to be exhaustive.

**APPENDIX C-I  
RESPONSIBILITIES OF ALL FACILITIES**

**ALL FACILITIES ARE RESPONSIBLE FOR IDENTIFYING AND ACCOUNTING FOR ANY LISTED SUBSTANCE USED, MANUFACTURED, FORMULATED, OR RELEASED; THIS APPENDIX IS NOT AN EXHAUSTIVE LIST.**

All Facilities shall account for the following devices and emitting processes and associated emissions,  
and shall account for ANY OTHER PROCESS EQUIPMENT THAT MAY BE A SOURCE OF RELEASE OF ANY LISTED SUBSTANCE:

Device/Process	Types of Emissions	Specific Substances (see note 3)
<b>FUEL/WASTE COMBUSTION</b>		
Boilers, Heaters, Kilns		
IC Engines, Furnaces		
Coal-fired	Particulate metals including but not limited to:	Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Manganese, Mercury, Nickel, Radionuclides, Selenium, Zinc, And any other listed metals
	Other particulate-phase substances including but not limited to:	BaP & other PAHs, Dibenzofurans,
Dioxins, Phosphorus, POM	Gaseous products including but not limited to:	Acetaldehyde, Benzene, Dichlorobenzenes, EDC, EDB, Formaldehyde, Hydrogen chloride, Hydrogen fluoride, Phenols
Oil-fired	Gaseous and particulate substances including but not limited to:	Arsenic, BaP & other PAHs, Benzene, Beryllium, Cadmium, Chromium, Copper, Diesel PM, Dioxins, Formaldehyde, Lead, Manganese, Mercury, Nickel, POM, Radionuclides, Selenium, Zinc, Any other listed metals
Residual or Distillate		
Waste	Arsenic, Benzene, BaP & other PAH (see Note 2)	Arsenic, Benzene, BaP & other PAH (see Note 2) Beryllium, Cadmium, Chloroform, Chromium, Copper, Dibenzofurans, Dioxins, EDB, EDC, Manganese, Mercury, Methylene chloride, Nickel, Perc, PCBs, POM, Toluene, TCA, TCE, Xylenes, Any other listed metals
Natural gas-fired	Gaseous and particulate substances including but not limited to:	Acetaldehyde, Acrolein, Benzene, Formaldehyde, POM, BaP & other PAHs, Propylene, Toluene, Xylenes, Any other listed metal (due to contamination or other means)

\* See Note 2 (Notes appear at the beginning of this index.)

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Device/Process	Types of Emissions	Specific Substances (see Note 3)
FUEL/WASTE COMBUSTION continued		
Process gas-fired	Gaseous and particulate substances including but not limited to:	Benzene, Formaldehyde, Phenol, Any other listed metal
Solid Waste-fired	Gaseous and particulate substances including but not limited to:	Formaldehyde, Manganese, Nickel, Phenol
Wood-fired	Gaseous and particulate substances including but not limited to:	Acetaldehyde, Arsenic, Benzene, BaP & other PAHs, Chromium, Copper, Dioxins, PCBs, POM, And any pesticides used on wood
Other Liquid-fired	From boiler corrosion inhibitor	Nitrosomorpholine, Any other listed metals
Coke Ovens		Benzene, BaP & other PAHs, Benzyl chloride, Coke oven emissions, Cresols, Dibenzofurans, Dioxins, Nitrosamines, POM
Flares	Particulate metals including but not limited to:	Arsenic, Beryllium, Chromium, Lead, Mercury, Nickel Any other listed metal
	Other particulate-phase substances including but not limited to:	BaP, Dibenzofurans, Dioxins
	Gaseous products including but not limited to:	Aldehydes, Benzene, Dichlorobenzenes, EDB, EDC
Landfill Gas		
Also see Boilers, Heaters, IC Engines, etc, Appendix C-I		
Incinerators – see ALL other combustion releases, but pay particular attention to the following:		
	Particulate metals including but not limited to:	Arsenic, BaP & other PAHs, Beryllium, Cadmium, Chromium, Copper, Manganese, Mercury, Nickel, POM, Selenium, Zinc, Any other listed metal
	Other particulate-phase substances including but not limited to:	BaP & other PAHs, Dibenzofurans, Dioxins, PCBs, POM
	Gaseous products including but not limited to:	Benzene, Dichlorobenzenes, EDB, EDC, Hydrogen chloride, Hydrogen fluoride, Vinyl chloride

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Device/Process	Types of Emissions	Specific Substances (see Note 3)
Incinerators continued		
Cotton-Gin Waste		Arsenic
Hazardous Waste		Dioxins, Any other listed metals
Hospital Waste		Dioxins, Radionuclides, Any listed metals
Municipal Refuse		BaP & other PAHs, Beryllium, Cadmium, Chromium, Manganese, Mercury, Nickel, POM
Pathological		Dioxins
Scrap Wood		BaP & other PAHs, POM
Sludge		Acrolein, Arsenic, Asbestos, Beryllium, Cadmium, Chromium, Dioxins, Manganese, Mercury, Nickel, POM, PAHs, Any other listed metals
Solid/Biomass Waste		Any listed metals
Waste-To-Energy		Acrolein, Dibenzofurans, Dioxins, Manganese, Nickel, POM, PAHs, Any other listed metals
SOLVENT USE		
Miscellaneous Use		Acetaldehyde, Acrolein, Benzene, Carbon tetrachloride, CFC-113, Chlorobenzene, Chloroform, Cresols, Dimethyl sulfate, Dioxane, EDC, Mercury, Methanol, Methylene chloride, Nitrobenzene, Perc, Toluene, TCA, TCE, Xylenes, Any other listed chlorinated solvents
Degreasing Operations	Gaseous and aerosol organic compounds including but not limited to:	Benzene, Carbon tetrachloride, Chlorinated fluorocarbon, Chlorobenzene, 1,4-Dioxane, Freons, Methylene chloride, Perc, Toluene, TCA, TCE, Any other listed substances
Cleaning & Drying		Chlorinated fluorocarbons
Metal D'grs		Methylene chloride, 1,4-Dioxane, TCA, TCE
Oil, Wax, Fat Extracting		Carbon tetrachloride, Dichloroethane, Methylene Chloride
Photoresist Stripping		Glycol ethers, Methylene chloride, Xylenes
Vapor Degreasing		Perc, TCE
Fabric Finishing (Woven)		1,4-Dichlorobenzene
Floor Wax		Carbon tetrachloride
		Specific Substances



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Device/Process	Types of Emissions	(see Note 3)
SOLVENT USE continued		
Paint & Varnish Removal		Dioxane, Methylene chloride
Polish (Shoe, Furniture)		Carbon tetrachloride
Rubber Cement		Carbon tetrachloride
Surface Coating	Gaseous and aerosol organic compounds including but not limited to:	Acetaldehyde, Benzene, Carbon tetrachloride, Chlorobenzenes, Chloroform, Cresols, Dioxane, Methanol, Methylene chloride, Michler's ketone, Nitrobenzenes, 2-Nitropropane, Perc, Phenol, Phthalic anhydride, Styrene, Toluene, TCA, TCE, Xylenes
	From adhesives	Carbon tetrachloride, Chloroform, Methylene chloride, Toluene, TCE
	From wood finishing	Dioxane, Methylene chloride, Perc, Toluene
	From metal finishing	Perc, Toluene, TCA
Resin Application		Formaldehyde
Coating Application		
Flashoff		
Baking/Curing		
Quenching		
Storage & Handling - see Liquid Storage & Transfer, Appendix C-I		
LIQUID STORAGE & TRANSFER (Fugitive Emissions)		
Pipelines		
Petroleum	Gaseous and aerosol fugitives	Benzene, Gasoline vapors, Toluene, Xylenes
	From: joints, valves	
		Transported listed substances
Process Vents		
Tanks		
Petroleum Products	Gaseous and liquid petroleum products	
Tank Breathing	including but not limited to:	Benzene, EDC, Gasoline vapors, Toluene, Xylenes, Stored listed substances

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Device/Process	Types of Emissions	Specific Substances (see Note 3)
LIQUID STORAGE & TRANSFER, Fugitive Emissions, continued		
Tank Cars and Trucks		
Filling and Tank Breathing	Gaseous, liquid and volatile solids including but not limited to:	Each pure organic stored or transferred that is a listed substance Each component of a mixture that is a listed substance
Fugitives	Gaseous and aerosol organic compounds	Emissions vary according to substances
Equipment Leaks	From: vents, tanks, condensers pumps, valves, compressors	involved in specific process
OTHER PROCESSES		
Contaminated Soil/Water Remediation	Chlorinated organics including:	Carbon tetrachloride, Chloroform, EDC, Methyl chloroform, Perc, TCA, TCE
	Other organics including	Benzene, Chlorobenzene, Toluene, Xylenes
Cooling Towers		
Comfort Cooling	Gaseous and aerosol releases possibly containing additives and including but not limited to: In part due to drift loss	Chloroform, Chromium, Manganese, Nickel, Any other additives
Process Cooling	Gaseous and aerosol releases possibly containing additives and including but not limited to: In part due to drift loss	Chloroform, Chromium, Manganese, Nickel, Any other additives
Drinking Water Treatment		Chloroform
Industrial Wastewater Treatment	Chlorinated organics including:	Carbon tetrachloride, Chloroform, EDC, Methylene chloride, Perc, TCA, TCE
	Other organics including:	Benzene, Chlorobenzene, Toluene, Xylenes
On-site Fuel Dispensing	Gaseous and aerosol releases including but not limited to:	Benzene, Dibromoethane, Dichloroethane, EDB, EDC, Gasoline vapors, Toluene, Xylenes
Device/Process	Types of Emissions	Specific Substances (see Note 3)

OTHER PROCESSES continued

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Pesticide Use	Acrolein, Arsenic, Carbon tetrachloride, Dibromoethane, 1,4-Dichlorobenzene, Dioxins, EDB, EDC, Lead, Nickel titanate, Zinc oxide
Printing – see Solvent Use, Appendix C-I Also see Printing & Publishing, Appendix C-II	
Sterilizers	ETO, Formaldehyde, Lead, Toluene, Propylene oxide
Surface Coating	Pigments Arsenic, Chromium oxide, Lead oxide, Mercury, Zinc oxide
	Polymer & Resin Precursors Acrylonitrile, 1,3-Butadiene, Ethyl acrylate, Formaldehyde, Phenol, Styrene, Vinyl chloride, Vinylidene chloride, Any other listed substances
	Residues/Impurities
	Additives – Curing agents, Surfactants, Defoamers, Thickeners, Film-control agents Plasticizers Ammonia
Wastewater Treatment	Benzene, Chloroform, EDC, Methylene chloride, TCE, Vinyl chloride, Any other listed substances

CONTROL EQUIPMENT Emission reductions must be quantified:  
For each listed substance & device

Device/Process level 1	Device/Process level 2	Device/Process level 3	Types of Emissions	Specific Substances (see note 40) Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>FUEL/WASTE COMBUSTION</u>	-	-	-	-
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	-	-	<b><u>Anthracene oil or paste, 1,2-Dichloropropane, Hydrochloric acid, Methyl ethyl ketone, 1-Methylnaphthalene, Methylnaphthalene (mixed), Any other listed substances</u></b>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Coal-fired</u>	<u>Particulate metals including but not limited to:</u>	Arsenic, Beryllium, Cadmium, Chromium, <b><u>Coal dust, Coal tar</u></b> , Copper, Lead, Manganese, Mercury, Nickel, Radionuclides, Selenium, <b><u>Sulfur trioxide, Zinc</u></b> , Any other listed metals
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	-	<u>Other particulate-phase substances including but not limited to:</u>	<b><u>Benzo[a]pyrene, Dibenzofurans, Dioxins, PAHs and PAH-related compounds, Phosphorus, Phosphorus compounds, Polychlorinated dibenzofurans, POM, 4-Vinylcyclohexene, Xylenes</u></b>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <u><b>underline bold</b></u> text
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	-	<u>Gaseous products including but not limited to:</u>	Acetaldehyde, Benzene, <b>Carbon black, Carbon black extracts</b> , Dichlorobenzenes, <b>Diesel engine PM, Diesel engine TOG, Diesel fuel (marine), Dimethyl methylphosphonate</b> , EDB, EDC, Formaldehyde, Hydrogen chloride, Hydrogen fluoride, <b>Hydroquinone, 2-Methylaziridine, MTBE, Naphtha (coal tar), Nitromethane, Oxygen difluoride</b> , Phenols, <b>Propylene, Shale oils, Tricresyl phosphate, 1,3,5-Trimethylbenzene</b>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Oil-fired Residual or Distillate</u>	<u>Gaseous and particulate substances including but not limited to:</u>	Arsenic, Benzene, Benzo[a]pyrene, Beryllium, Cadmium, Chromium, Copper, <b>1,2-Dichloropropane</b> , Diesel PM, <b>1,8-Dinitropyrene</b> , Dioxins, <b>1,2-Diphenylhydrazine</b> , Formaldehyde, <b>Isobutylene</b> , Lead, Manganese, Mercury, <b>2-Methylcyclopentadienyl manganese tricarbonyl</b> , Nickel, PAHs and PAH-related compounds, <b>Polychlorinated dibenzofurans</b> , POM, Radionuclides, Selenium, Zinc, Any other listed metals
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Waste</u>	<u>Arsenic, Benzene, Benzo[a]pyrene &amp; other PAHs</u>	Arsenic, Benzene, Benzo[a]pyrene, Beryllium, Cadmium, Chloroform, Chromium, Copper, Dibenzofurans, Dioxins, EDB, EDC, Manganese, Mercury, Methylene chloride, Nickel, PAHs and PAH-related compounds, PCBs, Perchloroethylene, <b>Polychlorinated dibenzofurans</b> , POM, 1,1,1-TCA, TCE, Toluene, Xylenes, Any other listed metals
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Natural gas-fired</u>	<u>Gaseous and particulate substances including but not limited to:</u>	Acetaldehyde, Acrolein, Benzene, Benzo[a]pyrene, <b>Crotonaldehyde, Dioxins</b> , Formaldehyde, PAHs and PAH-related compounds, <b>Polychlorinated dibenzofurans</b> , POM, Propylene, Toluene, Xylenes, Any other listed metals

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Process gas-fired</u>	<u>Gaseous and particulate substances including but not limited to:</u>	<u>Benzene, <b>Crotonaldehyde, Dioxins</b>, Formaldehyde, <b>Nitromethane</b>, Phenol, <b>Polychlorinated dibenzofurans</b>, Any other listed metals</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Solid Waste-fired</u>	<u>Gaseous and particulate substances including but not limited to:</u>	<u><b>Dioxins</b>, Formaldehyde, Manganese, Nickel, <b>PAHs and PAH-related compounds</b>, Phenol, <b>Polychlorinated dibenzofurans</b></u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Wood-fired</u>	<u>Gaseous and particulate substances including but not limited to:</u>	<u>Acetaldehyde, Arsenic, <b>Arsenic trioxide</b>, Benzene, Benzo[a]pyrene, Chromium, Copper, Dioxins, <b>1-Methylnaphthalene, Methylnaphthalene (mixed)</b>, PAHs and PAH-related compounds, PCBs, <b>Polychlorinated dibenzofurans</b>, POM, Any pesticides used on wood</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Other Liquid-fired</u>	<u>From boiler corrosion inhibitor</u>	<u><b>Heptachlor, Hydrazine, 2-Mercaptobenzothiazole</b>, Nitrosomorpholine, Any other listed metals</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Coke Ovens</u>	-	-	<u>Benzene, Benzo[a]pyrene, Benzyl chloride, <b>Coal tar</b>, Coke oven emissions, Cresols, Dibenzofurans, Dioxins, Nitrosamines, PAHs and PAH-related compounds, <b>Polychlorinated dibenzofurans</b>, POM</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Flares</u>	-	<u>Particulate metals including but not limited to:</u>	<u>Arsenic, Beryllium, Chromium, Lead, Mercury, Nickel, Any other listed metals</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Flares</u>	-	<u>Other particulate-phase substances including but not limited to:</u>	<u>Benzo[a]pyrene, Dibenzofurans, Dioxins, <b>PAHs and PAH-related compounds, Polychlorinated dibenzofurans</b></u>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>FUEL/WASTE COMBUSTION</u>	<u>Flares</u>	-	<u>Gaseous products including but not limited to:</u>	<u>Aldehydes, Benzene, Dichlorobenzenes, EDB, EDC</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Flares</u>	<u>Landfill Gas Also see Boilers, Heaters, IC Engines, etc, Appendix C-I</u>	-	-
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators - see ALL other combustion releases, but pay particular attention to the following:</u>	-	-	-
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	-	<u>Particulate metals including but not limited to:</u>	<u>Arsenic, Benzo[a]pyrene, Beryllium, Cadmium, Chromium, Copper, Manganese, Mercury, Nickel, PAHs and PAH-related compounds, POM, Selenium, Zinc, Any other listed metals</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	-	<u>Other particulate-phase substances including but not limited to:</u>	<u>Benzo[a]pyrene, Dibenzofurans, Dioxins, PAHs and PAH-related compounds, PCBs, <b>Polychlorinated dibenzofurans</b>, POM</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	-	<u>Gaseous products including but not limited to:</u>	<u>Benzene, Dichlorobenzenes, EDB, EDC, Hydrogen chloride, Hydrogen fluoride, Vinyl chloride</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Cotton Gin Waste</u>	-	<u>Arsenic</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Hazardous Waste</u>	-	<u>Dioxins, <b>1-Methylnaphthalene, Methylnaphthalene (mixed), PAHs and PAH-related compounds, Polychlorinated dibenzofurans</b>, Any other listed metals</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Hospital Waste</u>	-	<u>Dioxins, <b>Polychlorinated dibenzofurans</b>, Radionuclides, Any listed metals</u>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Municipal Refuse</u>	-	<u>Benzo[a]pyrene, Beryllium, Cadmium, Chromium, Manganese, Mercury, Nickel, PAHs and PAH-related compounds, POM</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Pathological</u>	-	<u>Dioxins, <b>Polychlorinated dibenzofurans</b></u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Scrap Wood</u>	-	<u>Benzo[a]pyrene, PAHs and PAH-related compounds, POM</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Sludge</u>	-	<u>Acrolein, Arsenic, Asbestos, Beryllium, Cadmium, Chromium, Dioxins, Manganese, Mercury, <b>Mineral fibers (asbestos and related)</b>, Nickel, PAHs and PAH-related compounds, <b>Polychlorinated dibenzofurans</b>, POM, Any other listed metals</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Solid/Biomass Waste</u>	-	<u>Any listed metals</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Waste-To-Energy</u>	-	<u>Acrolein, Dibenzofurans, Dioxins, Manganese, Nickel, PAHs and PAH-related compounds, <b>Polychlorinated dibenzofurans</b>, POM, Any other listed metals</u>
<u>SOLVENT USE</u>	-	-	-	-

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	Specific Substances (see note 40) Chemicals newly added to Appendix C are shown in <u>underline bold</u> text
<u>SOLVENT USE</u>	<u>Miscellaneous Use</u>	-	-	<p>Acetaldehyde, <b>Acetic acid</b>, <b>Acetonitrile</b>, Acrolein, <b>Arsenic</b>, Benzene, <b>Biphenyl</b>, <b>Bis(2-ethylhexyl) adipate</b>, <b>Bromobenzene</b>, <b>Bromonaphthalene</b>, <b>n-Butyl alcohol</b>, <b>n-Butyl glycidyl ether</b>, <b>n-Butyronitrile</b>, <b>Cadmium</b>, <b>Carbon disulfide</b>, Carbon tetrachloride, CFC-113, <b>Chloral</b>, <b>Chloroacetic acid</b>, Chlorobenzene, Chloroform, <b>Chloromethyl methyl ether</b>, <b>2-Chloronaphthalene</b>, <b>4-Chloro-o-phenylenediamine</b>, <b>Cobalt sulfide</b>, Cresols, <b>Crotonaldehyde</b>, <b>Cupferron</b>, <b>Cyclohexane</b>, <b>Cyclosiloxanes</b>, <b>D5</b>, <b>Diacetyl</b>, <b>2,4-Dichlorophenol</b>, <b>2,5-Dichlorophenol</b>, <b>Di(2-ethylhexyl) phthalate</b>, <b>Dimethyl carbonate</b>, <b>Dimethyl formamide</b>, <b>Dimethyl methylphosphonate</b>, Dimethyl sulfate, Dioxane, <b>1,3-Dioxolane</b>, EDC, <b>1,2-Epoxybutane</b>, <b>Ethyl acetate</b>, <b>Ethyl benzene</b>, <b>Ethyl chloride</b>, <b>Ethylenediamine</b>, <b>Ethylidene dichloride</b>, <b>Fluorocarbons (Chlorinated)</b>, <b>Formamide</b>, <b>Formic acid</b>, <b>Furan</b>, <b>Furfuryl alcohol</b>, <b>gamma-Butyrolactone</b>, <b>Glycol ethers and their acetates</b>, <b>Heptachlor</b>, <b>Heptane</b>, <b>Hydrogen bromide</b>, <b>Hydrogen fluoride</b>, <b>Indium and compounds</b>, <b>Isobutyl alcohol</b>, <b>Isobutyronitrile</b>, <b>Isopropyl alcohol</b>, Mercury, Methanol, <b>Methyl chloride</b>, <b>Methyl ethyl ketone</b>, <b>Methyl hydrazine</b>, <b>Methyl isopropyl ketone</b>, <b>Methylamine</b>, Methylene chloride, <b>Methyl-n-butyl ketone</b>, <b>N-Methylpyrrolidone</b>, Nitrobenzene, <b>Nitromethane</b>, <b>2-Nitropropane</b>, <b>N-Nitrosomorpholine</b>, <b>N,N-Dimethylacetamide</b>, <b>Oxybenzone</b>, <b>PCBTF</b>, <b>Pentachloronitrobenzene</b>, <b>Pentachlorophenol</b>, Perchloroethylene, <b>Phosphorus oxychloride</b>, <b>Phthalates</b>, <b>Propargyl alcohol</b>, <b>Propionitrile</b>, <b>Quinoline</b>, <b>sec-Butyl alcohol</b>, <b>Silica (crystalline, respirable)</b>, <b>t-Butyl acetate</b>, 1,1,1-TCA, TCE, <b>tert-Butyl alcohol</b>, <b>p-tert-Butyl toluene</b>, <b>1,1,1,2-Tetrachloroethane</b>, <b>Thionyl chloride</b>, Toluene, <b>Trimethylbenzenes</b>, <b>2,2,4-Trimethylpentane</b>, <b>Urethane</b>, <b>4-Vinylcyclohexene</b>, Xylenes, Any other listed chlorinated solvents, <b>Any other listed substances</b></p>



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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	-	<u>Gaseous and aerosol organic compounds including but not limited to:</u>	Benzene, <b><u>Bromoform</u></b> , Carbon tetrachloride, CFC-113, Chlorobenzene, <b><u>Chloroform</u></b> , <b><u>Cyclohexanol</u></b> , <b><u>1,2-Dichlorobenzene</u></b> , <b><u>1,2-Dichloropropane</u></b> , <b><u>Dimethyl disulfide</u></b> , 1,4-Dioxane, Freons, <b><u>Hexachloroethane</u></b> , Methylene chloride, <b><u>PCBTF</u></b> , Perchloroethylene, <b><u>n-Propyl bromide</u></b> , <b><u>t-Butyl acetate</u></b> , 1,1,1-TCA, TCE, <b><u>Tetralin</u></b> , Toluene, <b><u>1,2,3-Trichlorobenzene</u></b> , <b><u>1,2,4-Trichlorobenzene</u></b> , Any other listed substances
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Cleaning &amp; Drying</u>	-	Fluorocarbons (Chlorinated), <b><u>Hexane</u></b> , <b><u>Naphtha (coal tar)</u></b> , <b><u>Perchloroethylene</u></b>
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Metal Degreasers</u>	-	<b><u>o-Cresol</u></b> , <b><u>Cyanogen chloride</u></b> , <b><u>Cyclohexanone</u></b> , <b><u>1,2-Dichlorobenzene</u></b> , <b><u>1,2-Dichloropropane</u></b> , 1,4-Dioxane, EDC, Hydrogen bromide, <b><u>Methyl ethyl ketone</u></b> , Methylene chloride, <b><u>Nitric acid</u></b> , <b><u>Nonylphenol ethoxylates</u></b> , <b><u>PCBTF</u></b> , <b><u>Pentachloroethane</u></b> , <b><u>Perchloroethylene</u></b> , <b><u>n-Propyl bromide</u></b> , <b><u>t-Butyl acetate</u></b> , 1,1,1-TCA, TCE, <b><u>1,1,2,2-Tetrachloroethane</u></b>
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Oil, Wax, Fat Extracting</u>	-	<b><u>Benzaldehyde</u></b> , <b><u>Bromoform</u></b> , <b><u>Carbon disulfide</u></b> , Carbon tetrachloride, <b><u>Chlorine dioxide</u></b> , <b><u>Cumene</u></b> , <b><u>Cyclohexanol</u></b> , <b><u>Cyclohexanone</u></b> , <b><u>Decahydronaphthalene</u></b> , Dichloroethane, <b><u>1,2-Dichloroethylene (cis, trans)</u></b> , <b><u>1,2-Dichloropropane</u></b> , <b><u>Ethylidene dichloride</u></b> , <b><u>Hexane</u></b> , <b><u>4-Hydroxyazobenzene</u></b> , <b><u>Isophorone</u></b> , Methylene chloride, <b><u>n-Propyl bromide</u></b> , <b><u>1,1,2-TCA</u></b> , <b><u>1,1,2,2-Tetrachloroethane</u></b> , <b><u>Tetralin</u></b> , <b><u>Triorthocresyl phosphate</u></b>
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Photoresist Stripping</u>	-	Glycol ethers and their acetates, Methylene chloride, <b><u>N-Methylpyrrolidone</u></b> , <b><u>Xylenes</u></b>
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Vapor Degreasing</u>	-	<b><u>1,2-Dichloroethylene (cis, trans)</u></b> , <b><u>PCBTF</u></b> , Perchloroethylene, TCE
<u>SOLVENT USE</u>	<u>Fabric Finishing (Woven)</u>	-	-	<b><u>Benzofuran</u></b> , <b><u>2,4-Diaminoanisoole</u></b> , <b><u>1,4-Dichlorobenzene</u></b>
<u>SOLVENT USE</u>	<u>Floor Wax</u>	-	-	<b><u>Carbon disulfide</u></b> , Carbon tetrachloride, <b><u>1,1,2-TCA</u></b>

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<u>SOLVENT USE</u>	<u>Paint &amp; Varnish Removal</u>	-	-	<u>Benzofuran, Bis(2-chloroethyl) ether, n-Butyl glycidyl ether, Carbon disulfide, Cumene, Cyclohexanol, Diethylene glycol monoethyl ether acetate, Dimethyl formamide, Dioxane, EDC, Ethylidene dichloride, gamma-Butyrolactone, Isobutyl alcohol, Methyl phenyl carbinol, Methylamine, Methylene chloride, N-Methylpyrrolidone, Mica, Nonylphenol ethoxylates, Propylene glycol monomethyl ether, sec-Butyl alcohol, TCE, tert-Butyl alcohol, 1,1,2,2-Tetrachloroethane, Tetralin, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene</u>
<u>SOLVENT USE</u>	<u>Polish (Shoe, Furniture)</u>	-	-	Carbon tetrachloride, <u>Cyclohexanol, Decahydronaphthalene, Ethyl methacrylate, Nitrobenzene, Tetralin</u>
<u>SOLVENT USE</u>	<u>Rubber Cement</u>	-	-	<u>Carbon disulfide</u> , Carbon tetrachloride, <u>p-tert-Butyl toluene</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	-	<u>Gaseous and aerosol organic compounds including but not limited to:</u>	Acetaldehyde, <u>Allyl methacrylate</u> , Benzene, <u>Benzonitrile, n-Butyl alcohol, Cadmium succinate</u> , Carbon tetrachloride, Chlorobenzenes, Chloroform, <u>Chloromethyl methyl ether, 4-Chloro-o-phenylenediamine, Chromium trivalent</u> , Cresols, <u>Dimethyl carbonate</u> , Dioxane, <u>gamma-Butyrolactone, Glutaraldehyde, Glycol ethers and their acetates, Indium and compounds, Methanol, Methyl methacrylate, Methylene bis(4-cyclohexylisocyanate)</u> , Methylene chloride, Michler's ketone, <u>Mineral fibers (asbestos and related)</u> , Nitrobenzenes, 2-Nitro-propane, <u>Oxybenzone, PCBTf, Perchloroethylene, Perfluoro and polyfluoro compounds</u> , Phenol, Phthalic anhydride, <u>Phthalonitrile, sec-Butyl alcohol</u> , Styrene and copolymers, <u>t-Butyl acetate</u> , 1,1,1-TCA, TCE, <u>tert-Butyl alcohol</u> , Toluene, <u>Toluene diisocyanates, Trimethylolpropane triacrylate, Triorthocresyl phosphate, Vinyl toluene, N-Vinyl-2-pyrrolidone, Xylenes</u>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	Specific Substances (see note 40) Chemicals newly added to Appendix C are shown in <u>underline bold</u> text
<u>SOLVENT USE</u>	<u>Surface Coating</u>	-	<u>From adhesives</u>	<u>Allyl methacrylate, Ammonium chloride, Arsenic pentoxide, Benzofuran, Carbon tetrachloride, Chloroform, Cobalt octoate, Dimethyl carbonate, Dimethyl glutarate, Dimethyl-p-toluidine, Epoxy resins, Ethyl cyanoacrylate, Ethylene, Ethylene glycol, Flame retardants, Isobutyl alcohol, Isocyanates, Isophorone, Methyl cyanoacrylate, Methylene chloride, PCBTf, Perfluoro and polyfluoro compounds, PFOA, Phthalates, n-Propyl bromide, Styrene and copolymers, t-Butyl acetate, 1,1,2-TCA, TCE, Terephthalic acid, Toluene, 2,4,6-Tribromophenol, Tri-n-butyl phosphate, Triorthocresyl phosphate, Vinyl acetate, 4-Vinylcyclohexene, Vinylidene chloride, N-Vinyl-2-pyrrolidone</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	-	<u>From wood finishing</u>	<u>Arsenic pentoxide, Cobalt octoate, 2,4-Dichlorophenol, Dioxane, Glycol ethers and their acetates, Isocyanates, Methylene chloride, Nonylphenol ethoxylates, Perchloroethylene, 2,3,4,6-Tetrachlorophenol, Tetraethylene glycol, Toluene</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	-	<u>From metal finishing</u>	<u>Arsenic pentoxide, Calcium chromate, 2-Chloronaphthalene, Chromium hexavalent, Chromium trioxide, Chromium trivalent, Cobalt octoate, Isocyanates, PCBTf, Perchloroethylene, Strontium chromate, 1,1,1-TCA, Terephthalic acid, Tetraethylene glycol, Titanium dioxide, Toluene, Yttrium and compounds, Zinc</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	<u>Resin Application</u>	-	<u>Acrolein, Benzofuran, Bis(2,3-epoxycyclopentyl) ether, Bromonaphthalene, n-Butyl alcohol, n-Butyl glycidyl ether, Chloromethyl methyl ether, 4-Chloro-o-phenylenediamine, Cyclohexane, 1,2-Dichloroethylene (cis, trans), 1,2-Diphenylhydrazine, Epoxy resins, Formaldehyde, 4-Hydroxyazobenzene, Isocyanates, Isophorone, Oxybenzone, n-Propyl bromide, sec-Butyl alcohol, 1,1,2-TCA, p-tert-Butyl toluene, Tetrahydrophthalic anhydride, Triorthocresyl phosphate, Vinyl toluene</u>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>SOLVENT USE</u>	<u>Surface Coating</u>	<u>Coating Application</u>	-	<b><u>Arsenic pentoxide, Barium chromate, Calcium chromate, Chromium hexavalent, Chromium trioxide, Cobalt octoate, Isobutyl alcohol, Isocyanates, Tetraethylene glycol</u></b>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	<u>Flashoff</u>	-	-
<u>SOLVENT USE</u>	<u>Surface Coating</u>	<u>Baking/Curing</u>	-	<b><u>Nadic methyl anhydride, 1,2,3-Tris(chloromethoxy)propane</u></b>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	<u>Quenching</u>	-	-
<u>SOLVENT USE</u>	<u>Surface Coating</u>	<u>Storage &amp; Handling - see <u>Liquid Storage &amp; Transfer,</u> <u>Appendix C-I</u></u>	-	-
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	-	-	-	-
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Pipelines</u>	-	-	-
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Pipelines</u>	<u>Petroleum</u>	<u>Gaseous and aerosol fugitives</u>	<u>Benzene, Gasoline vapors, <b>Naphtha (coal tar)</b>, Toluene, Xylenes</u>
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Pipelines</u>	-	<u>From: joints, valves</u>	<u>Transported listed substances</u>
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Process Vents</u>	-	-	-
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Process Vents</u>	-	-	-

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<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Tanks</u>	-	-	-
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Tanks</u>	<u>Petroleum Products Tank Breathing</u>	<u>Gaseous and liquid petroleum products including but not limited to:</u>	<u>Benzene, EDC, Gasoline vapors, <b>2-Methylcyclopentadienyl manganese tricarbonyl</b>, Toluene, Xylenes, Stored listed substances</u>
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Tank Cars and Trucks</u>	-	-	-
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Tank Cars and Trucks</u>	<u>Filling and Tank Breathing</u>	<u>Gaseous, liquid and volatile solids including but not limited to:</u>	<u>Each pure organic stored or transferred that is a listed substance</u>
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Tank Cars and Trucks</u>	-	-	<u>Each component of a mixture that is a listed substance</u>
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Fugitives</u>	-	<u>Gaseous and aerosol organic compounds</u>	<u>Emissions vary according to substances involved in specific process</u>
<u>LIQUID STORAGE &amp; TRANSFER (Fugitive Emissions)</u>	<u>Fugitives</u>	<u>Equipment Leaks</u>	<u>From: vents, tanks, condensers, pumps, valves, compressors</u>	-
<u>OTHER PROCESSES</u>	-	-	-	-
<u>OTHER PROCESSES</u>	<u>Contaminated Soil/Water Remediation</u>	-	-	<u><b>Oryzalin, Oxadiazon, Oxydemeton methyl, Oxyfluorfen</b></u>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>OTHER PROCESSES</u>	<u>Contaminated Soil/Water Remediation</u>	-	<u>Chlorinated organics including:</u>	<b><u>Calcium oxide, Carbon black, Carbon tetrachloride, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, Chloroform, 2,6-Dichloro-p-phenylenediamine, EDC, Methyl chloroform, Perchloroethylene, 1,1,1-TCA, TCE, Tributyltin methacrylate</u></b>
<u>OTHER PROCESSES</u>	<u>Contaminated Soil/Water Remediation</u>	-	<u>Other organics including</u>	<u>Benzene, Chlorobenzene, Toluene, Xylenes</u>
<u>OTHER PROCESSES</u>	<u>Cooling Towers</u>	<u>Comfort Cooling, Process Cooling</u>	<u>Gaseous and aerosol releases possibly containing additives and including but not limited to: In part due to drift loss</u>	<b><u>Bis(tributyltin) oxide, Bromine, Chloroform, Chromium, Disodium cyanodithioimidocarbonate, Manganese, Nickel, 2,4,5-Trichlorophenol, Any other additives</u></b>
<u>OTHER PROCESSES</u>	<u>Drinking Water Treatment</u>	-	-	<b><u>Anthracene oil or paste, Bromate, Bromochloroacetic acid, Calcium oxide, Carbon nanotubes, Chloramine, Chlorine, Chlorine dioxide, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, Chloroform, Chromium, Cyclosiloxanes, D6, Dibromoacetic acid, Dibromoacetonitrile, 1,4-Dichloro-2-nitrobenzene, Iodine, Manganese, Nickel, Nickel compounds, Perfluoro and polyfluoro compounds, Sodium fluoride, Succinic anhydride, Any other additives</u></b>
<u>OTHER PROCESSES</u>	<u>Heat Transfer Fluids</u>	-	-	<b><u>Biphenyl, Dibenzofurans, Hexachlorobutadiene, Magnesium oxide, Methylene chloride, Phenyl ether-biphenyl mixture (vapor), 3,3',4,4'-Tetrachlorobiphenyl, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Trichlorofluoromethane</u></b>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>OTHER PROCESSES</u>	<u>Industrial Wastewater Treatment</u>	-	<u>Chlorinated organics including:</u>	<b><u>Bromochloroacetic acid, Calcium oxide, Carbon tetrachloride, Chlorine, Chlorine dioxide, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, Chloroform, Dibromochloromethane, EDC, Methylene chloride, Pentachloronitrobenzene, Perchloroethylene, 1,1,1-TCA, TCE</u></b>
<u>OTHER PROCESSES</u>	<u>Industrial Wastewater Treatment</u>	-	<u>Other organics including:</u>	<b><u>Benzene, beta-Propiolactone, Bromate, Bromine, Chlorobenzene, 1,4-Dichloro-2-nitrobenzene, Glutaraldehyde, Hydrazine, Hydrogen peroxide (&gt;5%), Oryzalin, Oxadiazon, Oxydemeton methyl, Oxyfluorfen, Perfluoro and polyfluoro compounds, Succinic anhydride, Sulfur dioxide, Toluene, Xylenes</u></b>
<u>OTHER PROCESSES</u>	<u>On-site Fuel Dispensing</u>	-	<u>Gaseous and aerosol releases including but not limited to:</u>	<b><u>Benzene, Bromobenzene, Dibromoethane, Dichloroethane, EDB, EDC, ETBE, Gasoline vapors, tert-Butyl alcohol, Toluene, Xylenes</u></b>

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Device/Process level 1	Device/Process level 2	Device/Process level 3	Types of Emissions	Specific Substances (see note 40) Chemicals newly added to Appendix C are shown in <u>underline bold</u> text
<u>OTHER PROCESSES</u>	Pesticide Use -- For facilities that are subject to Hot Spots applicability provisions, reporting is required except during the time it is acting as a pesticide at an operation which is not a facility subject to the Hot Spots program.	-	-	<u>Acenaphthene, Acephate, Acetic acid, 2-Acetylaminofluorene, Acrolein, Aldicarb, Allyl bromide, Allyl isothiocyanate, Amitraz, Amitrole, Ammonium sulfate, Arsenic, Arsenic acid, Arsenic pentoxide, Arsenic trioxide, Atrazine, Azinphosmethyl, Azoxystrobin, Bendiocarb, Benomyl, Bensulfide, Benzene, Benzenesulfonic acid, p-Benzoquinone dioxime, Bifenthrin, Biphenyl, Bis(2,3-epoxycyclopentyl) ether, Bis(tributyltin) oxide, Boron oxide, Bromacil, Bromacil lithium salt, Bromine, Bromoxynil octanoate, Cadmium chloride, Cadmium succinate, Cadusafos, Calcium arsenate, Calcium oxide, Captafol, Captan, Carbaryl, Carbazole, Carbofuran, Carbon tetrachloride, Chlordane, Chlorine, Chloroacetic acid, p-Chloroaniline, Chlorobenzene, Chlorobenzilate, Chloroform, Chloromethoxy propyl mercuric acetamide, 2-Chloronaphthalene, Chlorophenols, Chloropicrin, Chlorothalonil, Chlorpyrifos, Chlorthal-dimethyl, Clofenotane, Copper, Cresols, Crotonaldehyde, Cyanamide, Cyanide compounds (inorganic), Cycloate, Cyclohexanol, Cycloheximide, 2,4-D and salts/esters, Des-isopropyl atrazine, 2,4-Diaminotoluene, Diazinon, Diazoaminobenzene, Dibromochloropropane, Dibromoethane, Dibutyl phthalate, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,4-Dichloro-2-nitrobenzene, 2,4-Dichlorophenol, 2,5-Dichlorophenol, 1,3-Dichloropropene, Dichlorvos, Diclufop methyl, Dicofol, Di(2-ethylhexyl) phthalate, Dimethoate, Dimethyl disulfide, Dimethyl sulfate, p-Dimethylaminoazobenzenediazo sodium sulfonate, Dimethylarsinic acid, 4,6-Dinitro-o-cresol (and salts), 2,4-Dinitrophenol, Di-n-propyl isocinchomeronate, Dioxins, Diphenylamine, Diquat dibromide (and mixtures), Disodium cyanodithioimidocarbonate, Disulfiram, Diuron, EDB, EDC, Endosulfan, Endrin, EPTC, Ethoprop, Ethyl acetate, Ethyl parathion, o-Ethylaniline, Ethylene, Ethylene thiourea, Ethylenediamine, ETO, Fenamiphos, Fenoxaprop ethyl, Fenoxycarb, Fenvalerate, Fluazifop butyl, Fludioxonil, Fluorocarbons (Chlorinated), Fluvalinate, Formaldehyde, Formic acid, Fosetyl-al, Furan, Furfural, Glutaraldehyde, Glycol ethers and their acetates, Glyphosate, Hexachlorocyclohexanes, Hexachlorocyclopentadiene, Hexachloroethane, 2,4-Hexadienal, Hexahydrophthalic anhydride, Hydrazine, Hydrochloric acid, Hydrocyanic acid, Hydrogen peroxide (&gt;5%), Imazalil, Iprodione, Isobutyronitrile, Isocyanates, Isophorone, Isopropyl alcohol, Kresoxim-methyl, Lead, Lead arsenate, Lindane, Linuron, Magnesium oxide, Magnesium phosphide, Malathion, Manganese, 2-Mercaptobenzothiazole, Mercuric chloride, Metam potassium, Metam sodium, Methamidophos, Methidathion, Methomyl, Methoxychlor, Methyl bromide, Methyl carbamate, Methyl mercury, Methyl parathion, Methylarsonic acid, 2-Methylactonitrile, Myclobutanil, Nabam, Naphthalene, 1-Naphthylthiourea, Nickel titanate, Nitrpyrin, 4-Nitrobiphenyl, 1-Nitronaphthalene, 4-Nitrophenol, 2-Nitropropane, N-Nitrosodimethylamine, N-Nitrosodi-n-propylamine, Nonylphenol, Nonylphenol ethoxylates, Oxythioquinox, PAHs and PAH-related compounds, Paraquat, Parathion, Pendimethalin, Pentachloronitrobenzene, Pentachlorophenol, Peracetic acid,</u>



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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<p>Specific Substances (see note 40)</p> <p>Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text</p>
				<p><b><u>Permethrin, Phenol, o-Phenylenediamine dihydrochloride, 2-Phenylphenol, Phorate, Phosmet, Phosphine, Phosphorus, Phthalimide, Polychlorinated dibenzofurans, Potassium dimethyldithiocarbamate, Potassium phosphite, Procymidone, 1-Propanethiol, Propanil, Propargite, Propoxur, Propylene oxide, Propyzamide, Pymetrozine, Quinone, Resmethrin, Sedaxane, Silica (crystalline, respirable), Simazine, Sodium aluminum fluoride, Sodium azide, Sodium dimethyldithiocarbamate, Sodium fluoride, Sodium hydroxide, Sodium tetrathiocarbamate, S.S.S-Tributyl phosphorotrithioate, Sulfur, Sulfur dioxide, Sulfuric acid, Sulfuryl fluoride, 1,1,2-TCA, Terrazole, 3,3',4,4'-Tetrachloroazobenzene, 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, 2,3,4,6-Tetrachlorophenol, Tetrachlorophthalic anhydride, Tetraethylene glycol, Tetrakis(hydroxymethyl)phosphonium sulfate, Tetralin, Thiabendazole, Thiophanate methyl, Thiram, 4-t-Octylphenol, Toxaphene, trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)-vinyl]-1,3,4-oxadiazole, Triadimefon, Tribufos, Tributyltin methacrylate, 1,2,3-Trichlorobenzene, 2,4,5-Trichlorophenol sodium salt, 2,4,6-Trichlorophenol, 1,2,3-Trichloropropane, Trifloxystrobin, Trifluralin, Tri-n-butyl phosphate, Triphenyl phosphite, Tris(1-aziridinyl)phosphine oxide, Tris(2-methyl-1-aziridinyl)phosphine oxide, Urethane, Vanadium pentoxide, Vinclozolin, 2,4-Xylidine, Zectran, Zinc, Zinc oxide, Zinc phosphide, Ziram</u></b></p>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>OTHER PROCESSES</u>	<u>Printing - see Solvent Use, Appendix C-I Also see Printing &amp; Publishing, Appendix C-II</u>	-	-	-
<u>OTHER PROCESSES</u>	<u>Sterilizers</u>	-	-	<u>ETO, Formaldehyde, Lead, Propylene oxide, Toluene</u>
<u>OTHER PROCESSES</u>	<u>Surface Coating</u>	-	<u>Pigments</u>	<u>Arsenic, <b>Arsenic pentoxide</b>, <b>n-Butyl glycidyl ether</b>, <b>Chromium hexavalent</b>, Chromium oxide, <b>Chromium trivalent</b>, <b>Cobalt octoate</b>, <b>2,4-Diaminoanisole</b>, <b>1,4-Dichloro-2-nitrobenzene</b>, <b>2,4-Dichlorophenol</b>, <b>Lead oxide</b>, <b>Mercury</b>, <b>Strontium chromate</b>, <b>Styrene and copolymers</b>, <b>1,1,2-TCA</b>, <b>Zinc oxide</b></u>
<u>OTHER PROCESSES</u>	<u>Surface Coating</u>	-	<u>Polymer &amp; Resin Precursors Residues/Impurities</u>	<u><b>Acrolein</b>, Acrylonitrile, <b>Benzofuran</b>, <b>Bis(2,3-epoxycyclopentyl) ether</b>, 1,3-Butadiene, <b>n-Butyl alcohol</b>, <b>n-Butyl glycidyl ether</b>, <b>Cadmium</b>, <b>Chloroacetic acid</b>, <b>4-Chloro-o-phenylenediamine</b>, <b>m-Cresidine</b>, <b>p-Cresidine</b>, Ethyl acrylate, Formaldehyde, <b>Glycol ethers and their acetates</b>, <b>Isocyanates</b>, <b>Lauroyl peroxide</b>, <b>2-Mercaptobenzothiazole</b>, <b>Methylacrylonitrile</b>, Phenol, <b>sec-Butyl alcohol</b>, Styrene and copolymers, Vinyl chloride, Vinylidene chloride, Any other listed substances</u>
<u>OTHER PROCESSES</u>	<u>Surface Coating</u>	-	<u>Additives - Curing agents, Surfactants, Defoamers, Thickeners, Film-control agents, Plasticizers</u>	<u><b>Ammonia</b>, <b>Cobalt octoate</b>, <b>Cyclosiloxanes</b>, <b>Dibutyl phosphate</b>, <b>Dimethyl terephthalate</b>, <b>Disulfiram</b>, <b>Formic acid</b>, <b>Glycol ethers and their acetates</b>, <b>Lauroyl peroxide</b>, <b>Magnesium oxide</b>, <b>Methylamine</b>, <b>Nonylphenol ethoxylates</b>, <b>Propylene oxide</b>, <b>Styrene and copolymers</b>, <b>Tetraethylene glycol</b>, <b>Tetramethylethylenediamine</b>, <b>Triethylenetetramine</b>, <b>1,2,3-Tris(chloromethoxy)propane</b>, <b>N-Vinyl-2-pyrrolidone</b></u>

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<u>Device/Process level 1</u>	<u>Device/Process level 2</u>	<u>Device/Process level 3</u>	<u>Types of Emissions</u>	<u>Specific Substances (see note 40)</u> Chemicals newly added to Appendix C are shown in <u><b>underline bold</b></u> text
<u>OTHER PROCESSES</u>	<u>Wastewater Treatment</u>	-	-	<u><b>Acrylamide, Ammonium sulfate, Benzene, Bromine, Bromochloroacetic acid, Calcium oxide, Chlorine, Chlorine dioxide, Chloroform, Dibromoacetic acid, Dibromoacetonitrile, 1,4-Dichloro-2-nitrobenzene, EDC, Glutaraldehyde, Hydrazine, Hydrogen peroxide (&gt;5%), Methylene chloride, Nickel carbonate, Succinic anhydride, Sulfur dioxide, TCE, Vinyl chloride, Any other listed substances</b></u>
<u>CONTROL EQUIPMENT</u>	-	-	<u>Emission reductions must be quantified: For each listed substance &amp; device</u>	-

## **~~APPENDIX C-II~~**

### **~~FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES~~**

DRAFT

**APPENDIX C-II  
FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES**

NOTHING IN THIS APPENDIX SHALL BE CONSTRUED AS REQUIRING THAT SOURCE TESTING BE CONDUCTED FOR SUBSTANCES SET FORTH IN THIS APPENDIX. FURTHER, IN CASES WHERE A SUBSTANCE SET FORTH HEREIN IS NOT PRESENT AT A PARTICULAR FACILITY, THE FACILITY OPERATOR SHALL NOT ATTEMPT TO QUANTIFY THE EMISSIONS OF SUCH SUBSTANCE, BUT SHALL PROVIDE ADEQUATE DOCUMENTATION TO DEMONSTRATE TO THE DISTRICT THAT THE POSSIBLE PRESENCE OF THE SUBSTANCE AT THE FACILITY HAS BEEN ADDRESSED AND THAT THERE ARE NO EMISSIONS OF THE SUBSTANCE FOR SPECIFIED REASONS.

Notes For APPENDIX C-II

(1) The following substance abbreviations are used throughout the index:

BaP	= Benzo[a]Pyrene
CFC-113	= Chlorinated fluorocarbon
EDB	= Ethylene dibromide
EDC	= Ethylene dichloride
ETO	= Ethylene oxide
Perc	= Perchloroethylene, Tetrachloroethylene
PCBs	= Polychlorinated biphenyls
PAHs	= Polycyclic aromatic hydrocarbons
POM	= Polycyclic organic matter (other than PAHs)
TCA	= 1,1,1-Trichloroethane, Methyl chloroform
TCE	= Trichloroethylene

(2) PAHs are composed of the following substances:

Acenaphthene	Dibenzo[a,e]pyrene
Acenaphthylene	Dibenzo[a,h]pyrene
Anthracene	Dibenzo[a,i]pyrene
Benz[a]anthracene	Dibenzo[a,l]pyrene
Benzo[b]fluoranthene	Fluoranthene
Benzo[j]fluoranthene	Fluorene
Benzo[k]fluoranthene	Indeno[1,2,3,-cd]pyrene
Benzo[a]pyrene	Naphthalene
Benzo[g,h,i]perylene	Phenanthrene
Chrysene	Pyrene
Dibenzo[a,h]anthracene	

(3) Substances emitted by a particular device or process may not be limited to those listed in this Facility Guideline Index.

**ALL FACILITIES ARE RESPONSIBLE FOR IDENTIFYING AND ACCOUNTING FOR ANY LISTED SUBSTANCE USED, MANUFACTURED, FORMULATED, OR RELEASED; THIS APPENDIX IS NOT AN EXHAUSTIVE LIST.**

(4) Nitrosamines refer to the following listed substances:

\_\_\_\_\_ Dialkyl Nitrosamines \_\_\_\_\_  
\_\_\_\_\_ 4-(N-nitrosomethylamino)-1-(3-pyridyl)-1-butanone (NNK) \_\_\_\_\_  
\_\_\_\_\_ N-Methyl N'-nitro-N-nitrosoguanidine \_\_\_\_\_  
\_\_\_\_\_ p-Nitrosodiphenylamine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosodi-n-butylamine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosodiethanolamine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosodiethylamine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosodimethylamine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosodi-n-propylamine \_\_\_\_\_  
\_\_\_\_\_ N-Nitroso-N-ethylurea \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosomethylethylamine \_\_\_\_\_  
\_\_\_\_\_ N-Nitroso-N-methylurethane \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosomethylvinylamine \_\_\_\_\_  
\_\_\_\_\_ N-Nitroso-N-methylurea \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosomorpholine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosomonicotine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosopiperidine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrosopyrrolidine \_\_\_\_\_  
\_\_\_\_\_ N-Nitrososarcosine \_\_\_\_\_

(5) This Facility Guideline Index is arranged in alphabetical order. The first part of the index, Appendix C-I, lists devices common to many industries and the second part of the index, Appendix C-II, lists industry types. Extensive cross-referencing has been incorporated into the index, particularly in Appendix C-II, to identify industries and processes known by alternative names. It may be necessary to consult alternate names to locate a given industry type. Furthermore, more than one industry type may apply to a given facility.

**APPENDIX C-II  
FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES**

**ALL FACILITIES ARE RESPONSIBLE FOR IDENTIFYING AND ACCOUNTING FOR ANY LISTED SUBSTANCE USED, MANUFACTURED, FORMULATED, OR RELEASED; THIS APPENDIX IS NOT AN EXHAUSTIVE LIST.**

If a facility falls within one or more of the following specific industry types, the facility operator shall account for the following devices and emitting processes, fugitive releases, and their associated emissions, and shall account for ANY OTHER PROCESS EQUIPMENT THAT MAY BE A SOURCE OF RELEASE OF ANY LISTED SUBSTANCE:

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Specific Substances (see Note 3)
<hr/>		
Adhesives Application – see Solvent Use and Other Processes, Appendix C-I		
Adhesives Mfg – see Chemical Mfg, Appendix C-II		
Aerospace Products Mfg.		
– Research – see Chemical Mfg and Research & Development, Appendix C-II		
– Surface Coating – see Solvent Use & Other Processes, Appendix C-I		
<hr/>		
Agricultural Production		Ammonia, Chlorine, EDB, Hydrogen Sulfide, Lead, Silica, All listed metals
<hr/>		
– Agricultural Chem Mfg – see Chemical Mfg, Appendix C-II		Ammonia, Arsenic
– Cotton Ginning		
– Pesticide Use – see Other Processes, Appendix C-I		
– Waste Burning – see Combustion, Appendix C-I		
<hr/>		
Aircraft Mfg – see Transportation Equipment Mfg, Appendix C-II		
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Airports – see Transportation Stations, Appendix C-II		
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Air Stripping – see Contaminated Soil/Water Remediation, Appendix C-I		
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Almond Processing		Arsenic
– Combustion Processes – see Combustion, Appendix C-I		
<hr/>		
Apparel Mfg – see Textile Mill, Appendix C-II		
<hr/>		
Arsenic Mining – see Mining Non-Metals, Appendix C-II		
<hr/>		
Artificial Flower Mfg		Toluene
<hr/>		
Asbestos Milling/Processing – see Clay, Glass, & Stone Prod, Appendix C-II		
<hr/>		
Asbestos – see Mining Non-Metals, Appendix C-II		
<hr/>		
Asphalt Materials Mfg		
– Asphalt Felts & Coatings – see Petroleum & Coal Products, Appendix C-II		
– Asphaltic Concrete Prod		



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—(Including Asphalt Paving Materials Mfg)		
Processes Including:		
Batch Plants and	Particulate Phases Substances	Asbestos, Benzene, Formaldehyde, Organics,
Continuous Plants		POM, PAHs, Toluene, TCA, Xylenes,
Paving Operations		All listed metals
Combustion Processes – see Combustion, Appendix C-I		
Surface Coating – see Solvent Use & Other Processes, Appendix C-I		
Storage & Handling – see Liquid Storage & Transfer, Appendix C-I		
Auto Repair, Svc's & Garages – see Transportation Equipment, Appendix C-II		
Auto Parts Mfg – see Transportation Equipment, Appendix C-II		
Battery Production – see Metal Smelters, Appendix C-II		
Beryllium Mining – see Metal Smelters, Appendix C-II		
Bicycle Mfg/Repair – see Transportation Equipment, Appendix C-II		
Boat Building/Repair – see Transportation Equipment (Ship & Boat Building), Appendix C-II		
Box Mfg (folding paperboard type) – see Wood Product Mfg, Paper, Paperboard Containers & Boxes, Appendix C-II		
Bulk Plants and Terminals	Gaseous and aerosol releases	Benzene, Gasoline vapors, Specific Stored Substances listed in Appendix A-I or A-II
Barrel Breathing	From fixed roof tanks	
Barrel Filling	From variable vapor space tanks	
Barrel Standing	From floating roof tanks	
Barrel Withdraw	From floating roof tanks	
Valves, Vapor Collect/Control	From flanges, pumps, and tank trucks	
Burial Caskets Mfg		
		Toluene
Burning of Solid Waste (Open) – see Combustion, Appendix C-I		
Bus Mfg/Repair – see Transportation Equipment, Appendix C-II		
Button Mfg		Formaldehyde, Styrene, Toluene, TCE
Cadmium Plating – see Metal Plating, Appendix C-II		
Camper & Trailer Mfg – see Transportation Equipment, Appendix C-II		
Can Mfg – see Metal Product Fabrication, Appendix C-II		
Canned Food Product Mfg.		
Can Fabrication – see Metal Product Fabrication, Metal Cans, Appendix C-II		
Combustion Processes – see Combustion, Appendix C-I		
Food Processing – see Food Product Mfg, Appendix C-II		

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—Paper Labeling—see Wood Product Mfg, Appendix C-II  
—Printing—see Printing & Publishing, Appendix C-II  
—Sterilization—see Other Processes, Appendix C-I  
—Surface Coating—see Solvent Use And Other Processes, Appendix C-I

Car Mfg/Repair—see Transportation Equipment, Appendix C-II

Carbon Black & Charcoal Mfg—see Chemical Mfg, Carbon, Appendix C-II

Cement Mfg—see Clay, Glass, & Stone Prod Mfg, Appendix C-II

Ceramic Plants

—Combustion Processes—see Combustion, Appendix C-I

Charcoal Mfg—see Carbon, Appendix C-II

Chemical Mfg

Gaseous and aerosol releases

From process reactor vessel

fugitive, storage, handling,

ducted building exhaust

Beryllium

Any of the following types of chemicals,  
listed in Appendix A-I or A-II:  
FEEDSTOCK CHEMICAL(S)  
MANUFACTURED CHEMICAL(S)  
BY-PRODUCT CHEMICALS

—Also see Combustion, Other Processes, Solvent Use, and Storage & Handling, Appendix C-I

—Miscellaneous

Ammonia, Bis(chloromethyl) ether, Carbon  
tetrachloride, Chlorine, Chloroform,  
Copper, Cresol, ETO, Formaldehyde, Hydro-  
gen chloride, Lead, Methylene chloride,  
Naphthalene, Phenol, Toluene,  
Toluene diisocyanate, TCA

—Acids Mfg

Acetaldehyde, Acrolein, Copper, Cresols,  
Hydrochloric acid, Phenol, Toluene,  
Xylenes

Adhesives & Sealants Mfg

Ammonia, Arsenic, Asbestos, Benzene, 1,4-  
Dioxane, EDC, Lead, Methylene chloride,  
Nitrosomorpholine, Toluene, TCA,  
TCE, Xylenes

—Aerospace Chem Mfg

Chloroform, EDC, Phosgene, Toluene

—Agricultural Chem Mfg

Miscellaneous

Acetaldehyde, Acrolein, Acrylonitrile,  
Ammonia, Arsenic, Benzene, 1,3-Butadiene,  
Cadmium, Carbon tetrachloride, Chlorine,  
Chlorobenzene, Chloroform, Copper, Cresol,  
1,4-Dichlorobenzene, Dimethyl sulfate, EDC,  
EDB, ETO, Formaldehyde, Hexachlorobenzene,  
Hexachlorocyclopentadiene, Hydrazine,  
Hydrogen chloride, Hydrogen sulfide, Lead,  
Maleic anhydride, Mercury, Methyl bromide,

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		Methyl isocyanate, Methylene chloride, Naphthalene, Phenol, Phosgene, Phthalic anhydride, Vinyl chloride, Xylenes, Zinc, Zinc oxide
Alkali Mfg – see Chemical Mfg, Industrial Inorganics, Appendix C-II		
Fertilizers		Ammonia, Hydrogen sulfide, Mercury, Metal compounds, Methanol, Phosphorus, Sodium hydroxide
Nitrogenous		Ammonia, Cadmium, Hydrogen sulfide, Lead Nickel
Phosphatic		Ammonia, Arsenic, Cadmium, Hydrogen sulfide
Mixing Only		Ammonia
		Sodium Arsenate Arsenic
Aldehyde Mfg		Aldehydes, Toluene
Anti corrosives Mfg		Cresols, Hydrazine
Bases Mfg		Ammonia, Hydrazine, Sodium hydroxide
Carbon Black & Charcoal Mfg		Ammonia, BaP & other PAHs, Formaldehyde, Hydrogen sulfide, POM
Combustion Processes – see Combustion, Appendix C-I		Any other listed metals
Chemical Preparations	Ammonia, Arsenic, Benzene, Cadmium, Chlorine,	
		Chromium, Copper, Formaldehyde, Hexachlorocyclopentadiene, Hydrazine, Hydrogen chloride, Hydrogen sulfide, Lead, Maleic anhydride, Methyl isocyanate, Methyl methacrylate, Perc, Radionuclides, Styrene, Toluene, TCE, Vinyl chloride, Xylenes, Zinc, Zinc oxide
Chlorine (Electrolytic) Production	From: hydrogen stream	Mercury
	Also see Chem Mfg, Industrial Inorganics, Alkalies & Chlorine, Appendix C-II	
Drug/Pharmaceutical Mfg		
Miscellaneous		Acrylonitrile, Allyl chloride, Ammonia, Arsenic, Benzene, Benzyl chloride, Carbon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chromium, 1,4-Dichlorobenzene, Dimethyl sulfate, 1,4-Dioxane, Epichlorohydrin, EDB, EDC, Formaldehyde, Hydrazine, Hydrogen chloride, Lead, Mercury, Methanol, Methyl methacrylate, Methylene chloride, Perc, Phenol, Phosgene, Styrene, Toluene, TCA, TCE, Vinylidene chloride, Xylenes, Zinc, Zinc oxide

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Biological Products		Arsenic, Benzene, EDC, Lead, TCA
Medicinals & Botanicals		Acrylonitrile, Ammonia, Arsenic, Benzene, Carbon tetrachloride, Chloroprene, Chlorine, EDC, Formaldehyde, Hydrogen chloride, Lead, Mercury, Methyl bromide, Methyl methacrylate, Methylene chloride, Phenol, Styrene, Toluene, Vinylidene chloride
Blender		
Combustion Processes	see Combustion, Appendix C-I	
Drying Ovens		
Formulator		
Other Process Reactors		
Solvents	see Solvent Use, Appendix C-I	
Sterilizers	see Sterilizers, Appendix C-I	
Tanks	see Liquid Storage & Transfer, Appendix C-I	
Chemical Mfg continued		
Dyes Mfg		Benzene, Benzidine, Benzyl chloride, Chlorobenzenes, Chloroform, Cresols, Dichloromethane, Dimethyl sulfate, Dioxane, C.I. Direct Black 38, Hydrazine, POM, PAHs, TCE, Vinyl chloride, Vinylidene chloride
Elastomer & Surfactant Mfg		
Batch Processes		Epichlorohydrin
Ethers Mfg		Dimethyl sulfate, Nitrobenzene, Propylene oxide
Ethylene dichloride Production		
Oxychlorination	From: vents, storage	Carbon tetrachloride, Chloroform, EDC
Air & Oxygen Proc		
Explosives		Acetaldehyde, Ammonia, Arsenic, Formaldehyde, Lead, Mercury, Nitrobenzene, Phenol, Toluene
Fertilizers	see Chemical Mfg (Agricultural), Appendix C-II	
Flame Retardants Mfg		Hexachlorocyclopentadiene
Fluorocarbon Mfg		Carbon Tetrachloride, Chloroform
Reactor Venting	From: vents, storage	
Distillation		
Storage		
Indust Inorg Chem Mfg		
Miscellaneous		Acetaldehyde, Acrolein, Acrylonitrile, Allyl chloride, Ammonia, Arsenic, Asbestos, Benzene, Benzidine, Benzyl chloride, 1,3-Butadiene, Cadmium, Carbon tetrachloride, CFC-113, Chlorine, Chlorobenzene, Chloroform,

	Chromium, Copper, 1,4-Dichlorobenzene, Epichlorohydrin, EDB, EDC, ETO, Formaldehyde, Freon 113, Gasoline vapors, Hexachlorobenzene, Hexachloropentadiene, Hydrogen chloride, Hydrogen sulfide, Lead, Maleic anhydride, Manganese, Mercury, Methyl isocyanate, Methyl methacrylate, Methylene chloride, Naphthalene, Nickel, Nitrobenzene, Nitrosomorpholine, Perc, Phenol, Phosgene, Phosphorus, Phthalic anhydride, PCBs, Propylene oxide, Radionuclides, Styrene, Toluene, Toluene diisocyanate, TCA, TCE, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc, Zinc oxide
Alkalies & Chlorine	Ammonia, Arsenic, Asbestos, Benzene, 1,3-Butadiene, Carbon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Formaldehyde, Hydrogen chloride, Mercury, Phosgene, Toluene, TCE, Vinyl chloride, Vinylidene chloride
Cyclic Crudes & Intermediates	Acetaldehyde, Acrolein, Acrylonitrile, Ammonia, Arsenic, Benzene, Benzidine, Benzyl chloride, 1,3-Butadiene, Carbon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chromium, Cresol, Dibenzofurans, 1,4-Dichlorobenzene, 3,3'-Dichlorobenzidine, Dimethyl sulfate, 1,4-Dioxane, EDC, Formaldehyde, Gasoline vapors, Hexachlorobenzene, Hydrazine, Hydrogen chloride, Hydrogen sulfide, Maleic anhydride, Methyl bromide, Methyl isocyanate, Methylene chloride, Naphthalene, Nitrobenzene, Nitrosomorpholine, Pentachlorophenol (Chlorophenols), Phenol, Phosgene, Phthalic anhydride, POM, PAHs, Styrene, Toluene, Toluene diisocyanate, TCE Xylenes, Vinyl chloride
Gum & Wood Chemicals	Arsenic, Benzene, BaP & other PAHs, Chromium, Formaldehyde, Naphthalene, POM, Toluene diisocyanate
Wood Chem Mfg	Cresols, Phenol, Xylenes
Cresol	
Cresylic Acid	
Phenol	
Industrial Gases	Arsenic, Beryllium, Carbon tetrachloride, ETO, Hydrogen chloride, Mercury
Pigments, Inorgan	Ammonia, Arsenic, Cadmium, Chloroform, Chromium, Copper, Dimethyl sulfate, 1,4-

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		dioxane, Hydrazine, Hydrogen chloride, Lead, Zinc, Zinc oxide
Inks		
	Miscellaneous	Dioxane, Toluene
	Printing	Ammonia, Arsenic, Benzene, Cadmium, Copper, Formaldehyde, Lead, Perc, Toluene, Vinyl chloride, Xylenes, Zinc
		Cupferron, Thiourea
—Metal Chelating Agent Mfg		
—Corrosion Inhib,		
—Metal Treatment Chems		
—Methionide Analogs Prod (poultry feed supp.)		Acrolein
—Methyl Chloroform Prod	From: hydrochlorinated vent condenser, steam stripper vent condenser	Ethylene dichloride
—Military Chem Prod		Chloroform, EDC, Phosgene, Toluene
—Monomers		
	Miscellaneous	Acetaldehyde, Acrylonitrile, Ammonia, Benzene, 1,3-Butadiene, Carbon tetrachloride, Chlorine, Chlorofluorocarbons, Dioxane, Epichlorohydrin, Ethyl chloride, EDB, EDC, ETO, Formaldehyde, Glycol ethers, Hydro- chloric acid, Isocyanates, Maleic anhydride, Methyl bromide, Methyl methacrylate, Methylene chloride, Naphthalene, Nitrobenzene, Perc, Phenol, Phthalic anhydride, PCBs, Propylene, Propylene oxide, Sodium hydroxide, Styrene, Toluene, TCA, TCE, Trichlorophenol, Urethane, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc
	Vinyl Chloride	EDC
	From: heavy ends stream	
—Nuclear Fuel Fabrication		Radionuclides
—Organic Chem Mfg		Acrylamide, Acrylonitrile, Carbon tetrachloride, Chlorobenzene, Chloroform, Methylene chloride, Perc, Toluene
—Paints & Allied Prod's		Acetaldehyde, Ammonia, Arsenic, Asbestos, Benzene, Butadiene, Carbon tetrachloride, Chloroform, Chlorophenols, Chromium, Cop- per, Cresol, 1,4-Dioxane, Epichlorohydrin, Formaldehyde, Glycol ethers, Lead, Mercury, Methyl methacrylate, Methylene chloride, Naphthalene, Nickel, Nitrobenzene, Perc, Phenol, Phthalic anhydride, Styrene, Toluene, Toluene diisocyanate, TCA, TCE,
—Chemical Mfg, Paints and Allied Proofs, continued		

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Pigment	Zinc, Zinc oxide Benzyl chloride, Cadmium, Toluene
Perfume	Dimethyl sulfate
Pesticides, Herbicides, Fungicides Mfg	Arsenic, Benzene, Carbon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chloropicrin, Cresols, 1,4-Dichlorobenzene, Dimethyl sulfate, Dioxins, EDB, Hexachlorocyclopentadiene, Hydrazine, Hydrocyanic acid, Isocyanates, Lead arsenate, Methyl bromide, Naphthalene, N-Nitrosodimethylamine, Phenol, Phosphorus
Photographic Chemicals Mfg	Methylene chloride
Pigment (metal containing) Mfg Also see Chem Mfg, Inks and Paints, Appendix C-II	Cadmium, Chromium, Copper, Lead, Nickel, Zinc
Plastics Materials & Synthetics	Acrylamide, Acrylonitrile, Acrolein, Ammonia, Arsenic, Benzene, Benzidine, Cadmium, Car- bon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chromium, Cresols, Dichloro- methane, Dioxins, Formaldehyde, Hydrazine, Hydrocyanic acid, Hydrochloric acid, Hydrogen fluoride, Hydrogen sulfide, Iso- cyanates, Mercury, Methylene chloride, Nickel, Perc, Phenol, Phosgene, POM, PAHs, Sodium hydroxide, Toluene, TCE, Vinyl chloride, Vinylidene chloride, Zinc
Cellulosic Man-Made Fibers	Ammonia, Arsenic, Benzene, Chlorine, EDC, Hydrogen chloride
Organic Fibers, noncellulosic	Acrylonitrile, Copper, Dimethyl sulfate, EDC, Toluene diisocyanate, Vinylidene chloride
Chemical Mfg, Plastics, continued	
Plastics/Resins	Acetaldehyde, Acrolein, Acrylonitrile, Allyl chloride, Ammonia, Arsenic, Asbestos, Benzene, 1,3-Butadiene, Cadmium, Carbon tetrachloride, Chlorine, Chloro- ethane, Cresol, Epichlorohydrin, EDC, ETO, Formaldehyde, Gasoline vapors, Hydrogen chloride, Hydrogen sulfide, Lead, Maleic anhydride, Mercury, Methyl methacrylate, Methylene chloride, Nitrobenzene, Perc, Phenol, Phosgene, PCB, Propylene oxide, Styrene, Toluene, Toluene diisocyanate, TCE, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc oxide

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Resin Mfg.		Acrylamide, Acrylonitrile, Ammonia, Benzene, Bis(chloromethyl) ether, Cresols, Dioxins, Epichlorohydrin, Formaldehyde, Hexachlorocyclopentadiene, Maleic anhydride, Phenol, Vinylidene chloride, Xylenes
Rubber Production & Compounding	Gaseous, Aerosol, & Particulate releases	
Synthetic Monomers		Acrylonitrile, 1,3-Butadiene, Chloropyrene, Epichlorohydrin, Ethyl acrylate, EDC, ETO, Propylene, Styrene
Retardants		n-Nitrosodiphenylamine, Phthalic anhydride
Catalysts		Nickel
Solvents		Toluene
Miscellaneous		Acetaldehyde, Acrylonitrile, Allyl chloride, Ammonia, Benzene, Benzidine, 1,3-Butadiene, Carbon tetrachloride, Chlorine, Chloroform, Chloroprene, 3,3-Dichlorobenzidine, Epichlorohydrin, EDC, Hydrogen chloride, Lead, Maleic anhydride, Methylene chloride, Nitrosomorpholine, Perc, Sodium hydroxide, Styrene, Toluene, Toluene diisocyanate, Vinylidene chloride
Also see Chem Mfg, Monomers, Appendix C-II		
Synthetic Fibers		Hydrogen sulfide
Polish & Wax Mfg		Chloroform, Dioxane, Nitrosomorpholine
Preservatives, disinfectants, biocides		Cresols, Formaldehyde, Mercury, Phenol, 2,4,5-Trichlorophenol, Zinc Oxide
Rubber, Non-Vulcanized, Mfg		Dioxins, Formaldehyde, Phenols
Rubber Compounding	Processing Aids	Zinc
	Accelerators	Ethylene thiourea, n-Nitrosodimethylamine, Zinc
	Age Restorers	Nickel, Phenol
	Vulcanizing Agents	Lead, Selenium, Zinc
	Accelerator Activators	Ammonia, Lead, Zinc
		Chloroform, Dioxins, Formaldehyde
Solvents Mfg		Dioxane, Glycol ethers, Methanol
Soap, Cleaners, & Toilet Goods		Ammonia, Chlorine, Hydrogen chloride
Soap & Detergent Mfg		
Miscellaneous		Benzene, EDC, ETO, Formaldehyde, Hydrogen sulfide, Methyl methacrylate, Toluene
Optical Brighteners		Nitrosomorpholine
Polishes & Sanita-		



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tion Goods	Ammonia, Arsenic, Benzene, Carbon tetra-chloride, Chlorine, Chloroform, Cresol, 1,4-Dichlorobenzene, 1,4-Dioxane, Epichlorohydrin, Formaldehyde, Hydrogen chloride, Methylene chloride, Nitrobenzene, Perc, Toluene, TCA, TCE, Zinc, Zinc oxide
Surface Active Agents	Benzene, Benzyl chloride, 1,4-Dioxane, Propylene oxide, Toluene, Zinc, Zinc oxide
Toilet Preparations	Acetaldehyde, Acrolein, Ammonia, Arsenic, Benzene, Benzyl chloride, CFC-113, Dimethyl sulfate, 1,4-Dioxane, Formaldehyde, Methylene chloride, Perc, Toluene, TCA, TCE, Zinc, Zinc oxide
Textile Chemical Mfg	Acetamide, 2,4-Diaminoanisole, 2,4-Diamino-anisole sulfate, Urethane
Varnish Mfg	Benzene, Dioxane
(High)-Vinylidene Chloride Copolymer Fabric Process	Vinylidene-Chloride
Wax Mfg - see Polish Mfg, Appendix C-II	
Wood Chem Mfg - see Chem Mfg, Indus Inorgan, Gum & Wood, Appendix C-II	
Chemicals, Sales	Ammonia, Benzene, 1,3-Butadiene, Hydrogen chloride, Methylene chloride, Styrene, Toluene, TCA, Vinyl chloride
Storage & Handling - see Liquid Storage & Transfer, Appendix C-I	
Chrome Plating - see Metal Plating, Appendix C-II	
Clay, Glass & Stone Pro	
Miscellaneous	Ammonia, Arsenic, Cadmium, Chlorine, Chromium, Hydrogen chloride, Lead, Mercury, Nickel, Silica, Toluene, TCA, TCE
Abrasive Products	Ammonia, Cadmium, Chlorine, Chromium, Formaldehyde, Hydrogen chloride, Lead, Manganese, Methylene chloride, Perc, Phenol, Styrene, Toluene, TCA, Xylenes, Zinc
Asbestos Mill/Processing	Asbestos, Benzene, Chromium, Copper, Nickel, Silica Formaldehyde, Hydrogen sulfide, Naphthalene, TCA, Xylenes
Cement Products	

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— Floor Tile		
— Friction Material		
— Textiles		
— Cement Mfg	Particulate, Gaseous, Aero-Emis including but not limited to: From stacks, feed to mill & air separator, kiln, dryers, grinders	Asbestos, BaP, Benzene, Beryllium, Cadmium, Chromium, Copper, Formaldehyde, Hydrogen chloride, Lead, Manganese, Nickel, PCBs, POM, PAHs, Zinc, All listed metals
— Clinker Cooler		
— Combustion Processes		Benzene, Formaldehyde, Hydrogen chloride, PCBs, POM, PAHs, All listed metals
— Also see Combustion, Appendix C-I		
— Dry Processes		
— Hydraulic		Arsenic, Cadmium, Chlorine, Chromium, Copper, Hydrogen chloride, Lead, Mercury, Nickel, Toluene, Zinc
— Wet Process		
— Clay Products, Structural		
— Brick & Structural		
— Clay Tile		Arsenic, Beryllium, Lead
— Ceramic Wall &		
— Floor Tile		Arsenic, Beryllium, Lead
— Clay Refractories		Beryllium, Chromium, Mineral fibers
— Clay, Glass & Stone Pro-continued		
— Concrete, Gypsum, &		
— Plaster Products		
— Concrete Block &		
— Brick		Chromium, Styrene
— Concrete Products		Ammonia, Chromium, Gasoline vapors, Toluene, Zinc
— Ready-mixed Concrete		Asbestos, Hydrogen sulfide
— Lime		Mercury
— Cut Stone & Stone Prod		TCE
— Flat Glass		Ammonia, Arsenic, Cadmium, Chlorine, Chromium, Hydrogen, Nickel, Toluene
— Gaskets, Packing, &		
— Sealing Devices		Ammonia, Asbestos, Chlorobenzene, Gasoline vapors, Hydrogen chloride, Lead, Toluene, TCE, Zinc
— Glass & Glassware,		
— Pressed & Blown		Ammonia, Arsenic, Cadmium, Chlorine, Chromium, Formaldehyde, Hydrogen chloride, Lead, Mercury, Methylene chloride, Nickel, Perc, Styrene, Toluene, TCA
— Glass Container Mfg	From glass furnace	Arsenic Arsenic, Chlorine, Hydrogen chloride, Methylene chloride
— Minerals, Ground or		
— Treated		Chlorine, Chromium, Copper, Gasoline vapors, Hydrogen chloride
— Mineral Wool Prod		Ammonia, Carbon tetrachloride, Formaldehyde,

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Nonclay Refractories	Mineral fibers, Phenol Ammonia, Beryllium, Chromium, Formaldehyde, Hydrogen chloride, Mineral fibers, Phenol, Zinc, Zinc oxide
Nonmetallic Mineral Prod	Chlorine, Copper, Hydrogen chloride, Mineral fibers, Styrene, Toluene
Pottery & Related Prod	Lead, TCA
Vitreous Plumbing Fixtures	Styrene, Toluene
Fine Earthen Food Utensils	Ammonia, Beryllium, Copper, Hydrogen sulfide, Lead, Methyl bromide, Naphthalene, Perc, Toluene, TCE, Zinc
Purchased Glass Products	Ammonia, Toluene, TCE, Xylenes
Combustion Processes – see Combustion, Appendix C-I	
Other Processes – see Other Processes, Appendix C-I	
Coal Combustion – see Combustion, Appendix C-I	
Coal, Wholesaling	Zinc, Zinc oxide
Coke Combustion – see Combustion, Appendix C-I	
Coke Production	POM, PAHs, Toluene
Also see Metal Smelters, Appendix C-II	
Colleges & Universities	
Miscellaneous	Benzene, Carbon tetrachloride, Chloroform, Methylene chloride, Dioxane, Formaldehyde, Mercury, Nitrobenzene, Phenol, Toluene, TCA, Xylenes, Any other listed substance
Also see Chem Mfg, Appendix C-II	
Combustion, Appendix C-I	
Research & Development, Appendix C-II	
Solvent Use, Appendix C-I	
Combustion Processes – see Combustion, Appendix C-I	
Commercial/Institutional Combustion – see Combustion, Appendix C-I	
Cooling Towers – see Other Processes, Appendix C-I	
Correctional Institutions – see Combustion, Appendix C-I	
Cotton Ginning – see Agricultural Prod, Appendix C-II	
Crop Production – see Agricultural Prod, Appendix C-II	
Dry Cleaning Operations	Chlorinated Fluorocarbon, EDC, Perc, Toluene, TCA, TCE

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Dyeing of Textiles	Gaseous, aerosol, and particulate releases, including but not limited to:	Dyes - Auramine, Direct Black 38, Copper, Chromium
	Due to toxics in the solutions	Copper, Chromium
	Fixatives	Chromium
	Oxidizing Agents	Formaldehyde, Perc,
	Dyeing Aids	Sodium hydroxide (caustic soda)
Combustion Processes	see Combustion, Appendix C-I	
Elec. or Natural Gas Service		TCA
Combustion Processes	see Combustion, Appendix C-I	
Cooling Towers	see Other Processes, Appendix C-I	
Electrical Assembly Cleaning	see Degreasing, Appendix C-I	
Electrical & Electronic Equip		
Miscellaneous		Freon 113, Methylene chloride, Perc, TCA, TCE
Electric & Electronic Equip continued		
Communication Equipment		
Radio & TV Communication Equipment		Formaldehyde, Hydrogen chloride, Hydrogen sulfide, Lead, Methylene chloride, Perc, Toluene, Toluene diisocyanate, TCA, TCE, Xylenes, Zinc
Telephone & Tele-graph Apparatus		Ammonia, Copper, Formaldehyde, Hydrogen chloride, Methylene chloride, Perc, Styrene, Toluene, TCA, TCE, Xylenes
Electric Distrib Equip		Ammonia, Naphthalene, Toluene, TCA, TCE
Transformers		Ammonia, Beryllium, Hydrogen chloride, Lead, Methylene chloride, Naphthalene, Perc, PCB, Toluene, TCA, TCE, Vinyl chloride, Xylenes, Zinc oxide
Switchgear & Switchboard Apparatus		Ammonia, Formaldehyde, Hydrogen chloride, Perc, Toluene, TCA, TCE
Electrical Industrial Apparatus		Ammonia, Arsenic, BaP, Copper, Hydrogen chloride, Lead, Mercury, Perc, PCB, Toluene, TCA, TCE
Motors & Generators		Ammonia, Formaldehyde, Hydrogen chloride, Lead, Naphthalene, Phenol, Styrene, Toluene, TCA, TCE
Industrial Controls		Ammonia, Styrene, Toluene, TCA, TCE
Welding Apparatus, Electric		Nickel, Toluene
Carbon & Graphite Products		BaP, Chlorine, Hydrogen chloride, Hydrogen sulfide, Styrene
Electronic Components & Accessories		Acetaldehyde, Ammonia, Arsenic, Benzene, Benzyl chloride, Beryllium, Cadmium,

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		Chlorine, Chloroform, Chromium, Copper, Epichlorohydrin, EDC, Formaldehyde, Gasoline vapors, Hydrazine, Hydrogen chloride, Hydrogen sulfide, Lead, Manganese, Mercury, Methylene chloride, Naphthalene, Nickel, Perc, Phenol, Phosgene, PCB, Styrene, Toluene, Toluene diisocyanate, TCA, TCE, Xylenes, Zinc, Zinc oxide
Batteries		
Primary, Dry & Wet		Cadmium, Lead, Naphthalene, Nickel, Zinc, Zinc Oxide
Storage		Beryllium, Cadmium, Lead, Manganese, Nickel, TCA, Zinc, Zinc oxide
Cat'd Ray Pic't'r Tubes		Beryllium, Lead
Electric & Electronic Equipment Prod-continued		
Electron Tubes, Transmitting		Ammonia, Benzene, Beryllium, Cadmium, Chromium, Copper, Hydrogen chloride, Lead, Nickel, Styrene, Toluene, TCE, Xylenes
Electron Capacitors		Allyl chloride, Chromium, Epichlorohydrin, Lead, Methylene chloride, TCA, TCE
Integrated Circuit Board Mfg	From: developer, stripper screening-hardener	Butyl cellosolve (a Glycol ether)
Semiconductors & Related Devices		Formaldehyde, Methylene chloride
		Acetone, Ammonia, Arsine, Arsenic, Beryllium, Chlorine, Chlorobenzene, Ethylene glycol, Hydrazine, Hydrochloric acid, Hydrogen chloride, Hydrogen fluoride, Lead, Mercury, Methanol, Methylene chloride, Nickel, Perc, Phenol, Phosphene, Styrene, Toluene, Toluene diisocyanate, TCA, TCE, Xylenes, Zinc
Solvent Stations - see Liquid Storage & Transfer, Appendix C-I		
Wet Chemical Stations		
Mfg Process Reactors (Siliconizing)		
Chemical Vapor Deposition		
Diffusion Furnaces - see Combustion, Appendix C-I		
Photoresist Lines		
Surface Coating/Cleaning - see Solvent Use, Appendix C-I		
Household Appliances		
Elec Housewares/Fans		Beryllium, Toluene
Household Cooking Equipment		TCA, TCE
Household Laundry Equipment		Perc, Toluene
Household Refrigerators & Freezers		Toluene
Sewing Machines		Toluene, TCA
Electric Lighting & Wiring Equipment		Toluene, TCE

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Electric Lamps	Ammonia, Cadmium, Mercury, Toluene, TCA, TCE
Lighting Fixtures	
Commercial	Toluene, TCA
Residential	Ammonia, Hydrazine, Toluene, TCA, TCE
Wiring Devices	
Current-Carrying	Ammonia, Copper, Formaldehyde, Hydrogen chloride, Manganese, Methylene chloride, Nickel, Perc, Phenol, Toluene, Toluene diisocyanate, TCA, TCE, Zinc
	Copper, Hydrogen chloride, Styrene, Toluene, TCE, Vinyl chloride, Zinc
Noncurrent-Carry	Ammonia, Toluene, TCA, TCE, Xylenes
Radio & TV Rec'ing Sets	
Semiconductor Production – see Electric & Electronic Equip, Integrated Circuit, Appendix C-II	
Electric & Electronic Equip-continued	
X-Ray Apparatus & Tubes	Beryllium, Hydrogen chloride, Perc, Toluene, TCA
Elec, Gas, & Sanitary Svc's	
Electric Services	Acetaldehyde, Arsenic, Benzene, BaP, Beryllium, Cadmium, Chromium, Copper, Formaldehyde, Lead, Manganese, Mercury, Nickel, POM, PAHs, PCBs, TCA
	Hydrogen sulfide
Gas & Other Svc's	Arsenic, Chromium, Hydrogen chloride, Hydrogen sulfide, Mercury, Perc, TCA, TCE
Water Supply	Benzene, Chloroform, EDC, Methylene chloride, Perc, TCA, TCE, Vinyl chloride
Sanitary Services	Ammonia, Arsenic, Beryllium, Cadmium, Chlorine, Chromium, Copper, Hydrogen chloride, Lead, Manganese, Mercury, Nickel, POM, PAHs, PCBs, Toluene, Vinyl chloride, Zinc
Refuse Systems	Ammonia, Arsenic, Cadmium, Chromium, Copper, Hydrogen chloride, Lead, Mercury, Nickel, Zinc
Sewerage Systems	Benzene, Formaldehyde, Toluene
Steam Supply	
Electroplating – see Metal Plating, Appendix C-II	
Extermination – see Other Processes, Pesticide Use, Appendix C-I	
Felt Mfg	Asbestos
Fiberboard Mfg – see Wood Product Mfg, Appendix C-II	
Floor Cover Mfg, Hard Surface	Benzene
Floor Tile Mfg.	Asbestos
Food Prod Mfg	
Miscellaneous	Perc, Toluene

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—Bakery Products	Benzene, Formaldehyde, Toluene
—Beverages	Ammonia, Formaldehyde,
—Milk (Condens & Evap)	Ammonia, Benzene, Formaldehyde, Toluene
—Soft Drinks	Arsenic, Toluene
—Canned Foods	Arsenic, Benzene, Formaldehyde, Toluene
—Fats & Oils	EDC, Methylene chloride
—Shorten & Cook Oils	Nickel, Toluene
—Soybean Oil Mills	EDC
—Food Preparation, Misc	Acetaldehyde, Benzene, Benzidine, Carbon
	Tetrachloride, Chloroform, Dimethyl sul-
	fate, Epichlorohydrin, ETO, Formaldehyde,
	Maleic Anhydride
—Grain Mill Products	
—Prepared Feeds	Acrolein, Methyl bromide
—Wet Corn Milling	Chlorine, Hydrochloric Acid
—Manufactured Ice	Arsenic
—Meat Packing Plants	Arsenic, Formaldehyde, Hydrochloric Acid
—Sausages & Other	
—Prepared Meats	Acetaldehyde, Ammonia, Arsenic, Chloroform,
—Food Prod Mfg continued	
	Formaldehyde, Phenol, Toluene, TCA
—Roasted Coffee	Acetaldehyde, Acrolein, Methylene chloride,
	TCE
—Seafood, Canned & Cured	Arsenic, Hydrogen sulfide
—Sugar & Confec Prods	
—Beet Sugar	Beryllium
—Confectionery Prod	Benzene, Toluene, Formaldehyde
—Canning – see Canned Food Prod, Appendix C-II	
—Combustion Processes – see Combustion, Appendix C-I	
—Solvents – see Solvent Use, Appendix C-I	
—Sterilization – see Other Processes, Appendix C-I	
Food Prod Machinery Mfg	Methylene chloride, Perc, TCA, TCE
Foundries – see Metal Smelters & Foundries, Appendix C-II	
Forestry Services	Naphthalene
—Also see Wood, Appendix C-II	
Furniture & Fixture Mfg	Methylene chloride, Perc, TCE
—Miscellaneous	Methylene chloride, Phthalic anhydride,
	Toluene, TCE
—Drapery Hardware and	
—Blinds & Shades	Benzene, TCA
—Household Furniture	
—Metal	Cresol, Toluene, TCE, Xylenes
—Upholstered	Cadmium, Copper, Lead, Toluene
—Wood	Ammonia, Methylene chloride, Naphthalene,
	Styrene, Toluene, TCA, TCE, Xylenes
—TV & Radio Cabinets	Toluene
—Office Furniture	

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—Metal	Ammonia, Formaldehyde, Methylene chloride, Perc, Styrene, Toluene, TCA, TCE, Xylenes, Zinc Oxide
—Wood	Formaldehyde, Methylene chloride, Naphthalene, Toluene, Toluene diisocyanate, TCA, TCE, Xylenes
—Partitions & Fixtures	
—Metal	Methylene chloride, Perc, Toluene, TCA, TCE
—Wood	Ammonia, Toluene, Toluene diisocyanate, TCE
—Public Bldg & Related Furn	Ammonia, Toluene, Xylenes
—Combustion Process – see Combustion, Appendix C-I	
—Degreasing – see Solvent Use, Appendix C-I	
—Metal Working – see Metal, Appendix C-II	
—Surface Coating – see Solvent Use and Other Processes, Appendix C-I	
—Upholstery Mfg – see Textiles, Appendix C-II	
—Wood Working – see Wood, Appendix C-II	
Furniture Stores	Ammonia, Methylene chloride, Toluene, TCA
—Furniture Repair/Reupholstering	Ammonia, Lead, Methylene chloride, Toluene, Xylenes
—Cleaning – see Dry Cleaning, Appendix C-II	
Gas Combustion – see Combustion, Appendix C-I	
Gas Stations	Benzene, EDB, EDC, Gasoline vapors, Toluene, Xylenes
—Liquid Storage & Transfer – see Liquid Storage & Transfer, Appendix C-I	
—Vehicle Refueling – see Other Processes, Appendix C-I	
Glass Products – see Clay, Glass & Stone Products, Appendix C-II	
Grain Production – see Agricultural Prod and Food Prod, Appendix C-II	
Grain Wholesaling	Ammonia
Grey Iron Foundries – see Metal Smelters & Foundries, Appendix C-II	
Hospitals	
—Gen'l Medical & Surgical	ETO, Hydrogen chloride, Hydrogen sulfide, Phenol, Styrene
—Medical Labs	ETO
—Combustion Processes – see Combustion, Appendix C-I	
—Medical Instrument Mfg – see Instrument Mfg, Appendix C-II	
—Research – see Research & Development, Appendix C-II	
—Sterilizers – see Other Processes, Appendix C-I	
Incineration – see Combustion, Appendix C-I	



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Industrial Combustion – see Combustion, Appendix C-I

Industrial Wastewater Treatment – see Other Processes, Appendix C-I

Inorganic Chemical Mfg – see Chemical Mfg, Inorganic, Appendix C-II

—Instruments & Related Prod's	Freon 113, Toluene, TCA
—Engineering & Science Instr	Ammonia, Arsenic, Asbestos, Beryllium, Cadmium, Chromium, Copper, Formaldehyde, Hydrogen chloride, Lead, Methylene chloride, Perc, Phenol, Toluene, TCA, TCE, Zinc
—Meas & Controlling Devices	Ammonia, ETO, Mercury, Toluene
—Environmental Controls	Beryllium, Chlorine, Hydrogen chloride, Mercury, TCE
—Process Control Inst	Beryllium, Cadmium, Hydrogen chloride, Toluene, Zinc, Zinc oxide
—Electricity Measuring Instruments	Beryllium, Toluene, TCA
—Medical Instr & Supplies	Ammonia, Hydrogen chloride, Toluene, TCE
—Dental Equip & Supp	Ammonia, Cadmium, Chlorine, ETO, Formaldehyde, Phenol, Toluene, TCA, Zinc, Zinc oxide
—Ophthalmic Goods	Ammonia, TCA, TCE
—Photographic Equip & Supplies	Acetaldehyde, Acrylonitrile, Ammonia, Arsenic, Asbestos, Benzene, Benzidine, Benzyl chloride, Bis(chloromethyl) ether, Cadmium, Carbon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chromium, Dimethyl sulfate, 1,4-Dioxane, Epichlorohydrin, EDC, Formaldehyde, Hydrazine, Hydrogen chloride, Lead, Mercury, Methylene chloride, Naphthalene, Nickel, Perc, Phenol, Phosgene, Propylene oxide, Styrene, Toluene, Toluene diisocyanate, TCA, TCE, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc, Zinc oxide
—Surgical & Medical Instrumnets	ETO, Formaldehyde, Perc, Toluene, TCA, TCE, Zinc
—Surgical Appliances & Supplies	Ammonia, Chromium, ETO, Formaldehyde, Hydrogen chloride, Lead, Nickel, Toluene, TCA, Vinylidene chloride
—Optical Instr & Lenses	Acetaldehyde, Formaldehyde, Methylene chloride, Toluene, TCA, TCE
—Watches/Clocks/Watchcases	Hydrogen chloride, Toluene, TCE
—Plating – see Metal Plating, Appendix C-II	
—Also see – Combustion, Other Processes, and Solvent Use Appendix C-I	
—Metal, Plastic, and Rubber, Appendix C-II	
Jewelry, Silverware, & Plated Ware	
—Jewelry, Costume	Ammonia, Chlorine, Hydrogen chloride, Lead, Perc, Toluene, TCE
—Jewelry, Precious Metal	Ammonia, Freon 113, Hydrogen chloride, Lead, Toluene, TCA, TCE

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—Jewelers Materials & Lapidary Work		Ammonia, Hydrogen chloride, Lead
—Silverware & Plated Ware		Ammonia, Beryllium, Hydrogen chloride, Lead, TCE
—Degreasing – see Solvent Use, Appendix C-I		
Landfills		
—Gas Recovery		Benzene, Methylene chloride, Perc, TCE, Vinyl chloride, Vinylidene chloride
—Refuse Landfills		Asbestos
—Combustion Processes – see Combustion, Appendix C-I		
—Fugitives – see Liquid Storage & Transfer, Appendix C-I		
Laundry, Cleaning, & Garment Svc's – see Dry Cleaning, Appendix C-II		
Leather & Leather Products		
—Leather Tanning & Finishing		Arsenic, Chromium Copper, Formaldehyde, Lead, Naphthalene, Toluene
—Footwear, not rubber		Toluene
—Personal Leather Goods		Toluene, TCE
—Tanning Processes	Tanning agents	Chromium, Cresols, Formaldehyde, Phenol
	Dyes, pigments, & coloring agents	Cadmium, Chromium, Copper, Direct Black 38, Lead, Nickel, Zinc compounds
	Miscellaneous	Ammonia, Chlorine, Chloroform, 1,2-Dichlorobenzene, Glycol ethers, Hydrochloric acid, Methylene chloride, Perc, Sodium hydroxide, Toluene, TCA, TCE, Xylenes
—Combustion Processes – see Combustion, Appendix C-I		
—Liquid Storage and Transfer – see Liquid Storage & Transfer, Appendix C-I		
—Surface Coating – see Solvent Use and Other Processes, Appendix C-I		
Lumber Prod Mfg – see Wood Product Mfg, Appendix C-II		
Machinery Mfg, Except Electrical		Ammonia, Formaldehyde, Freon 113, Methylene chloride, Nickel, Phenol, Toluene, TCA, TCE
—Construction & Related Machinery		
—Construction Machinery		Carbon tetrachloride, Hydrogen chloride, Perc, Toluene
—Conveyors & Conveying Equipment		Ammonia, Toluene, TCE
—Elevators & Moving Stairways		Toluene
—Hoists, Cranes, & Monorails		Ammonia, Cadmium, Copper, Lead, Zinc
—Indstl Trucks/Tractors		Perc, Toluene
—Oil Field Machinery		Chromium, Lead, Nickel, TCA, Xylenes
—Engines & Turbines		
—Internal Combustion Engines		Ammonia, Benzene, EDB, EDC, Gasoline vapors,

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Farm Machinery & Equip	Hydrazine, TCA
Turbines & Turbine	Toluene
Generator Sets	Ammonia, Formaldehyde, Hydrogen-chloride, Maleic anhydride, Perc, Phenol, Styrene, Toluene, Toluene diisocyanate, TCA, Xylenes
General Industrial	Ammonia, Chromium, Copper, Cresol, Epi- chlorohydrin, Formaldehyde, Hydrogen chloride, Lead, Nickel, Phenol, Toluene, TCA, TCE, Zinc oxide
Machinery	Copper, Naphthalene, Toluene, TCA
Bell & Roller	Copper, Gasoline vapors, Lead, Toluene, TCA, TCE
Bearings	Toluene
Blowers & Fans	Arsenic, Copper, Hydrogen-chloride, Lead, Toluene, TCE, Zinc
Comprsr, Air & Gas	Formaldehyde, Phenol
Industrial Furnaces	Ammonia, Copper, Hydrogen-chloride
& Ovens	Ammonia, Formaldehyde, Hydrogen-chloride, Lead, Perc, Phenol, Toluene, TCA, Xylenes
Industrial Patterns	Perc, Toluene, TCA
Power Transmission	
Equipment	
Pumps & Pumping	
Equipment	
Speed Changers,	
Drives & Gears	
Metalworking Machinery	Arsenic, Perc
Machine Tool Accessories	Ammonia, Beryllium, Chromium, Hydrogen-chloride, Toluene, TCA, TCE
Machine Tools, Metal Cutting Types	Ammonia, Lead, Toluene, TCE
Machine Tools, Metal Forming Types	Ammonia, Benzene, Lead, Perc, Toluene, TCA, TCE

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Rolling Mill Machinery	Cadmium, Chromium, Zinc, Zinc oxide
Special Dyes, Tools, Jigs, & Fixtures	1,4-Dichlorobenzene, Formaldehyde, Hydrogen chloride, Methylene chloride, Naphthalene, Toluene, TCE, TCA, Zinc
Office & Computing Machines	
Miscellaneous	CFC-113, Hydrogen chloride, Toluene, TCA
Calculating & Accounting Machines	Arsenic, Hydrogen chloride, TCA
Machinery, Office & Computing, continued	
Electronic & Computing Equipment	Ammonia, Arsenic, Asbestos, Benzene, Benzidine, BaP, Bis(chloromethyl)ether, Chlorine, Chloroform, Chromium, Copper, Freon-113, Hydrogen chloride, Hydrogen sulfide, Lead, Methylene chloride, Naphthalene, Nickel, Nitrobenzene, Perc, Phenol, Toluene, TCA, TCE, Vinyl chloride, Zinc
Also see – Electric & Electronic, Appendix C-II	
Typewriters	Ammonia, Benzene, Beryllium, Cadmium, Formaldehyde, Hydrogen chloride, Lead, Nickel, Toluene, Xylenes
Refrigerat'n & Svc Machin	
Automatic Merchandising Machines	Toluene
Commercial Laundry Equipment	Arsenic, Perc, Toluene
Measur & Dispens Pumps	Toluene
Refrig & Htg Equip	Ammonia, Copper, Formaldehyde, Freon-113, Hydrogen sulfide, Lead, Methylene chloride, Phthalic anhydride, Toluene, TCA, TCE, Xylenes, Zinc
Misc Svc Indus Mach	Toluene
Special Industry Machinery	Ammonia, Arsenic, Benzene, Chromium, Copper, Lead, Methylene chloride, Perc, Toluene, TCA, TCE
Food Prods Machinery	Arsenic
Paper Indus Machin	Ammonia, Perc, Toluene, TCE
Printing Trades Mach	Ammonia, Chromium, Lead, Methylene chloride, Toluene, Toluene diisocyanate, TCA, Zinc oxide
Textile Machinery	Toluene, TCE, Xylenes
Woodworking Machin	Chlorine, Hydrogen chloride, Toluene
Combustion Processes – see Combustion, Appendix C-I	
Metal Forming – see Machining Mfg and Metal Forming, Appendix C-II	
Surface Coating/Degreasing – see Solvent Use and Other Processes, Appendix C-I	
Machining – see Metal Forming, Metal Prod Fabrication, and Metal Smelting, Appendix C-II	
Magazine (Periodical) Publishing – see Printing & Publishing, Appendix C-II	
Mechanical Assembly Cleaning – see Solvent Use, Degreasing, Appendix C-I	

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## Metal Forming

- Aluminum Forming \_\_\_\_\_ Chloroform, Methylene chloride, TCE
- Machining \_\_\_\_\_ TCA
- Also see —Metal Product Fab and Metal Smelters, Appendix C-II

## Metal Furniture Mfg — see Furniture Mfg, Appendix C-II

## Metal Plating

### Particulate metals

including but not limited to:

From electrocleaning, metal spraying, and plating

Cadmium, Chromium (VI), Nickel, TCA

### Gaseous and aerosol releases

including but not limited to:

—Electrocleaning

Alkaline cleaning agents

Sodium hydroxide

—Cleaning/Pickling

Acid cleaning, pickling agents

Chromic acid, Hydrochloric acid

—Cleaning/Plating

Chelating agents, solvents

Nitrilotriacetic acid, Thiourea

—Storage/Handling

Plating/other process bath compon. and

Plating tank, Electric arc furnace

Ammonia, Arsenic, Cadmium, Chromium,  
Copper, Lead, Nickel, Selenium,  
Sodium hydroxide, Zinc

—Combustion Processes — see Combustion, Appendix C-I

—Degreasing Processes — see Solvent Use, Appendix C-I

—Storage and Handling — see Liquid Storage & Transfer, Appendix C-I

## Metal Product Fabrication

Acrylonitrile, Ammonia, 1,3-Butadiene,  
Cadmium, Chlorine, Copper, Formaldehyde,  
Freon 113, Hydrazine, Hydrogen chloride,  
Lead, Mercury, Methylene chloride, Perc,  
Styrene, Toluene, TCA, TCE, Zinc

—Metal Cans & Shipping

—Containers

—Metal Cans

Benzene, Lead, Perc, Toluene, TCA, TCE, Xylenes

—Metal Barrels, Drums & Pails

Ammonia, Naphthalene, Toluene, TCA

—Metal Cutlery, Handtools & Hardware

—Cutlery

—Hand & Edge Tools

Chromium, Lead, Toluene, TCE  
Ammonia, Chlorine, Chromium, Hydrogen  
chloride, Methylene chloride,  
Styrene, Toluene, TCA, TCE, Zinc

—Hand Saws & Saw Blades

Copper, Lead, Nickel, Toluene, TCE, Zinc

—Misc Hardware

Ammonia, Chlorine, Chromium, Copper, Hydro-  
gen chloride, Hydrogen sulfide, Lead,  
Methylene chloride, Naphthalene, Perc,  
Phenol, Toluene, TCA, TCE, Zinc, Zinc oxide  
Ammonia, Copper, Hydrogen chloride, Lead,  
Perc, Zinc, Zinc oxide

—Metal Foil & Leaf

—Metal Forgings & Stampings

—Iron & Steel Forgings

Hydrogen sulfide

—Auto Stampings

Ammonia, Perc, Toluene

—Crowns & Closures

Lead

—Misc Metal Stampings

Copper, Perc, Toluene, TCA, TCE

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—Metal Prod-Fabric-continued	
—Misc-Metal Services	
Plating & Polishing	Toluene
	Acrolein, Ammonia, Arsenic, Benzene, Cadmium,
	Chloride, Chlorine, Chloroform, Chromium,
	Copper, Formaldehyde, Hydrogen chloride,
	Lead, Methylene chloride, Nickel,
	Nitrobenzene, Perc, Toluene,
	TCA, TCE, Zinc, Zinc oxide
Metal Coating & Allied Services	Acetaldehyde, Arsenic, Benzene, Cadmium,
	Chlorine, Chromium, Copper, Formaldehyde,
	Hydrogen chloride, Lead, Methylene
	chloride, Nickel, Perc, Toluene,
	TCA, TCE, Xylenes, Zinc, Zinc oxide
—Ordnance & Accessories	
Small Arms Ammunition	Lead
Ammun, exc small arms	Hydrogen sulfide, Toluene, TCE
Small Arms	Ammonia, Arsenic, Formaldehyde, Freon 113,
	Hydrogen chloride, Lead, Phenol, Toluene,
	Zinc oxide
—Plumbing & Heating, except electric	
Metal Sanitary Ware	Methylene chloride, Toluene
Plumbing Fittings & Brass Goods	Ammonia, Cadmium, Formaldehyde, Hydrogen
	chloride, Phenol, Toluene, TCE, Zinc oxide
	Ammonia, Benzene, Chromium, Formaldehyde,
	Perc, Phenol, Toluene
—Screw Machine Products,	
Bolts, etc.	
Screw Machine Prod	TCA, TCE
Bolts, Nuts, Rivets, & Washers	Cadmium, Hydrogen chloride, Methylene chloride,
	TCA, TCE, Zinc
	Hydrogen chloride, Toluene, TCA
—Steel Springs, exc wire	
—Structural Metal Product	
Fabrication	Toluene
Structural Metal	
Fabrication	Copper, Toluene, Xylenes, Zinc oxide
Metal Doors, Sash & Trim	Ammonia, Cadmium, Formaldehyde, Perc,
	Toluene, TCA, Xylenes, Zinc
Fabricated Plate Work, boiler shops	Copper, Gasoline vapors, Hydrogen chloride,
	Lead, Perc, Styrene, Toluene, TCA, TCE
Sheet Metal Work	Ammonia, Perc, Toluene, Toluene
	diisocyanate, TCA, TCE
Architectural Metal Work	Ammonia, Copper, Perc, Toluene, TCA, TCE
Prefabric Metal Bldgs	Toluene, Xylenes
Misc Metal Work	Ammonia, Benzene, Toluene
—Valves & Pipefittings	Copper, Phenol, Toluene, TCA, TCE, Zinc
—Wire Product Fabrication	Ammonia, Hydrogen chloride, Nickel, Perc,
	Toluene, TCA, Vinyl chloride
—Combustion Processes – see Combustion, Appendix C-I	
—Degreasing – see Solvent Use, Appendix C-I	

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—Forming—see Metal Forming and Metal Smelters, Appendix C-II

—Surface Coating—see Solvent Use, Appendix C-I

### Metal Smelters & Foundries - (for non-metals mining see Mining, Appendix C-II)

—For any type of metal smelter—see Combustion and Liquid Storage & Transfer, Appendix C-I		Hydrogen sulfide, All listed metals
—Primary Aluminum Pro	Gaseous, aerosol, particulate releases including but not limited to:	Benzene, Chloroform, Cresols,
—Furnace Tapping	From the calciner, furnace, mat'l	Fluorides, Methylene chloride,
—Coke Quenching	crusher/mill, storage & handling,	POM, PAHs, TCE
—Furnace Charging	service road, prebake/reduction/	
—Metal Forming	soderberg stud cell	
	Anode bake furnace	Benzene, Cresols, POM, PAHs
—Secondary Aluminum	Gaseous, aerosol, particulate releases including but not limited to:	Nickel
—Furnace Tapping	From the furnace, and the service	
—Furnace Charging	road	
—Metal Casting		Chloroform, Methylene chloride, TCE
—Metal Forming		
—Beryllium Alloys	Gaseous, aerosol, particulate releases including but not limited to:	Beryllium
—Molding		
—Primary Cadmium Production	Gaseous, aerosol particulate releases including but not limited to:	Cadmium
—Material Preparation	From the furnace, condenser,	
—Metal Casting	material storage and handling	
—Mining Operations		
—Cadmium-Nickel Battery	Gaseous, aerosol, particulate releases including but not limited to:	Cadmium, Lead, Nickel
—Material Prep	From the sintering machine, and	
	material storage and handling	
—Chromite Ore Refining	Gaseous, aerosol, particulate releases including but not limited to:	Chromium
	From dryer, mill, cyclone, storage	
—Metallurgical Coke	Gaseous, aerosol particulate releases including but not limited to:	Acetaldehyde, Benzene, Cresols,
—Coke Oven Charging/	From the coke oven, vessels, material	Formaldehyde, Phenol, Toluene, Xylenes
—Pushing	storage and handling, and outdoor	Ammonia, Arsenic, Beryllium, Cadmium,
—Material Prep	storage pile	Hydrogen sulfide, Lead, Manganese, Mercury,
—Coke Quenching		Nickel, POM, PAHs
—Coke Production		POM, PAHs, Toluene
Metal Smelters & Foundries continued		
—Primary Copper Smelt	Gaseous, aerosol, particulate releases including but not limited to:	Arsenic, Cadmium, Copper, Lead, Mercury,
—Converter Charging	From the converter, furnace, roaster	POM, PAHs, Selenium, Zinc
—Furnace Tapping	vessel, material storage and	
—Furnace Charging	handling, outdoor storage pile,	
—Material Prep	service road	
—Metal Casting		
—Slag Dumping		
—Mining Operations		Arsenic, Mercury, Cadmium, Copper
—Copper Forming		Perchloroethylene

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Secondary Copper Oper (Brass and Bronze Pro)	Gaseous, aerosol, particulate releases including but not limited to:	Cadmium, Copper, Lead, Manganese, Mercury, POM, PAHs, Selenium, Zinc
Furnace Tapping	From the furnace, and service road	
Furnace Charging		
Metal Casting		
Electrometallurgical Products		Arsenic, Cadmium, Chromium, Copper, Manganese, Nickel
Ferroalloy Production	Gaseous, aerosol, particulate releases including but not limited to:	Cadmium, Chromium, Copper, Lead, Manganese, Nickel, POM, PAHs, Zinc
Furnace Tapping	From material storage & handling,	
Furnace Charging	storage pile, furnace, decarburizing vessels	
Material Prep		
Metal Casting		
Mining, except V		Nickel
Slag Dumping		
Iron & Steel Foundries		
Iron and Steel Production	Gaseous, aerosol, particulate releases including but not limited to:	Ammonia, Arsenic, Benzene, Beryllium, Cad- mium, Chlorine, Chromium, Coke oven emis,
Coke Oven Charging/ Pushing	From the coke oven, cupola, furnace, sintering machine, storage	Copper, Formaldehyde, Hydrogen chloride, Hydrogen sulfide, Lead, Manganese, Mercury, Naphthalene, Nickel, POM, PAHs, Phenol, Toluene, TCE, Xylenes, Zinc
Furnace Tapping	& handling, storage pile, service road	
Furnace Charging		
Material Preparation		
Coke Quenching		
Slag Dumping		
Mining Operations		
Drying		
Crushing		
Sizing		
Weighing		
Feeding Furnace		
Also see Combustion (Blast Furnace), Appendix C-1		
Gray Iron Foundries	Gaseous, aerosol, partic releases including but not limited to:	Acetaldehyde, Acrolein, Ammonia, Arsenic, Benzene, Beryllium, Cadmium, Chromium, Copper, Formaldehyde, Hydrogen sulfide, Iron, Lead, Manganese, Mercury, Naphthalene, Nickel, Phenol, POM, PAHs, Styrene, Toluene, TCA, Xylenes, Zinc
Furnace Tapping	From the furnace, foundry mold & core decomposition, & service road	
Furnace Charging		
Converter Charging		
Metal Casting		
Cupola		
Malleable Iron Foundries		Ammonia, Formaldehyde, Zinc
Steel Investment Foundries		Cadmium, Chromium
Steel Foundries	Gaseous, aerosol, particulate releases including but not limited to:	Arsenic, Beryllium, Cadmium, Chromium, Manganese, Nickel, Zinc
Converter Charging	From furnace, foundry mold & core decomposition, and service road	
Furnace Tapping		
Furnace Charging		
Metal Casting		
Basic Oxygen Proc	From argon oxygen decarburization vessels, coke ovens	
Miscellaneous		Ammonia, Arsenic, Cadmium, Chromium, Copper, Hydrogen chloride, Lead, Naphthalene, Nickel, Perc, Phenol,



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— Cold Finish Steel Shapes		Styrene, Toluene, TCA, Xylenes, Zinc
— Steel Pipe & Tubes		Methylene chloride, Toluene
— Steel Wire & Related		Ammonia, Perc
— Products		Ammonia, Chlorine, Hydrogen chloride,
—		Lead, PCB, Toluene, Zinc
Primary Lead Smelting Gaseous, aerosol, partic releases		
— Furnace Tapping	including but not limited to:	Arsenic, Cadmium, Copper, Lead,
— Furnace Charging	From the furnace, sintering machine,	POM, PAHs, Mercury, Selenium
— Material Prep	material storage and handling,	
— Metal Casting	outdoor storage pile, and service	
— Slag Dumping	road	
— Mining Operations		
Secondary Lead Smelt Gaseous, aerosol, partic releases		
— Furnace Tapping	including but not limited to:	Arsenic, Lead, Manganese, POM, PAHs,
— Furnace Charging	From the furnace, service road, and	Selenium
— Metal Casting	outdoor storage pile	
Lead Acid Battery Pro Gaseous, aerosol, partic releases		
— Material Prep	including but not limited to:	Arsenic, Cadmium, Lead, Manganese,
— Metal Casting		Mercury
— Screening		
— Storage & Handling		
Miscellaneous Lead Pro Gaseous, aerosol, partic releases		
— Converter Charging	including but not limited to:	Arsenic, Cadmium, Lead
— Material Preparation		
— Metal Casting		
Manganese Production Gaseous, aerosol, partic releases		
— Furnace Charging	including but not limited to:	Manganese, POM, PAHs
— Furnace Tapping	From the furnace, mat'l storage &	
— Material Crusher/	handling, storage pile, slips,	
— Mill	casthouse, sinter discharge,	
— Metal Casting	windbox & discharge	
— Slagging		
— Synthetic Mang Pro		
— Roasting		
— Drying		
— Grinding		
— Packaging/Handling		
— Melting		
— Refining		
— Hot Metal Transfr		

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— Dry Battery Production	Particulate substance releases	
— Material Prep	including but not limited to:	Manganese, Mercury
— Screening	From the material crusher/mill and	
— Storage & Handling	material storage	
— Also see Electrical & Electronic Equipment, Appendix C-II		
— Mercury Production	Particulate releases	Mercury
— Mining	including but not limited to:	
— Prim. Ore Process	From smelter, hoeing, retort	
— Secondary Prod		
— Nickel Production	Gaseous, aerosol, partic releases	
— Metal Casting	including but not limited to:	Arsenic, Cadmium, Lead, Nickel,
— Mining Operations	From the calciner, furnace, material	POM, PAHs, Selenium, Zinc
— Refining	crusher/mill, roaster, material	
— Melting/Roasting	storage & handling, rotary dryers,	
— Crushing	storage pile, day bin, skip hoists	
— Drying		
— Nonferrous Metal Prod	Gaseous, aerosol, partic releases	
— Super Alloys	including but not limited to:	Nickel
— Permanent Magnet		
— Alloys		
— Electrical Alloys		
— Secondary Processing	Gaseous, aerosol, partic releases	
— of Nickel Scrap	including but not limited to:	Nickel
— Radium, Uranium, &	Gaseous, aerosol, partic releases	
— Vanadium Mining	including but not limited to:	Ammonia, Gasoline vapors, Hydrogen Sulfide, Radionuclides
— Steel Foundries	— see Metal Smelters, Iron & Steel, Appendix C-II	
— Uranium Prod	— see Metal Smelters, Radium, Appendix C-II	
— Vanadium Prod	— see Metal Smelters, Radium, Appendix C-II	
— Primary Zinc Smelting	Gaseous, aerosol, partic releases	
— Material Prep	including but not limited to:	Arsenic, Cadmium, Copper, Mercury,
— Slag Dumping	From the condenser, furnace, roaster,	POM, PAHs, Selenium, Zinc
— Mining Operations	retort, material storage and	
	handling, outdoor storage pile,	
	and service road	
— Secondary Zinc Process	Gaseous, aerosol, partic releases	
— Furnace Tapping	including but not limited to:	Cadmium, Mercury, Nickel, Selenium, Zinc
— Furnace Charging	From the furnace, condenser, retort	
— Metal Casting	service road, and galvanizing vessel	

### Military Bases

- Chemical Prod — see Chemical Mfg, Military Chem Mfg, Appendix C-II
- Combustion Process — see Combustion, Appendix C-I
- Degreasing — see Solvent Use, Appendix C-I
- Research — see Research & Development, Appendix C-II
- Surface Coating — see Solvent Use and Other Processes, Appendix C-I
- Vehicle Refueling — see Other Processes, Appendix C-I

Millworks — see Wood Product Mfg, Appendix C-II

Mining of Non-Metals (for Metals Mining see Metal Smelters, Appendix C-II)

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—Arsenic Mining		Arsenic
—Anthracite Mining		Arsenic, POM, PAHs, Toluene diisocyanate
—Asbestos		Asbestos, Silica
—Clay		Arsenic, Beryllium, Lead, Toluene diisocyanate
—Coal (Bituminous) & Lignite		Arsenic, Hydrogen sulfide, Toluene diisocyanate
—Limestone		Nickel
—Minerals, Nonmetallic		Arsenic, Asbestos, Beryllium, Cadmium, Chromium, Lead, Toluene diisocyanate
—Phosphate Rock		Radionuclides
—Sand & Gravel		Asbestos, Crystalline silica
—Construction Industrial		Vinyl Chloride
—Sulfur		Arsenic, Beryllium, Lead, Phenol, Toluene diisocyanate
		Arsenic, Hydrogen sulfide
Monofilament Fiber Mfg	Gaseous and particulate releases including but not limited to:	
—Wet Spin	From: polymer and solvent storage	Polymer constituents – Acrylonitrile, Propylene, Vinyl chloride
—Dry Spin	ope preparation (blending),	
—Filter-tow Dry Spin	filtration, spin cell, lubrication,	Solvents/precipitants – Sodium hydroxide, Toluene, Zinc chloride
—Filament Yarn Dry Spin	drawing, finish application, and drying	Flame retardants – Vinyl bromide
		Promoters/activators – Hydrazine
		Lubricants – Ammonium salts
—Combustion Processes – see Combustion, Appendix C-I		
—Storage – see Liquid Storage & Transfer, Appendix C-I		
—Surface Coating – see Solvent Use and Other Processes, Appendix C-I		
Motor Vehicle Production – see Transportation Equipment, Appendix C-II		
Motorcycle Mfg – see Transportation Equipment, Appendix C-II		
Musical Instrument Mfg		Lead, Toluene, TCE
—Also see – Combustion, Other Processes, and Solvent Use, Appendix C-I		
—Wood Product Mfg, Appendix C-II		
National Defense		Carbon tetrachloride, CFC 113, Chromium, Dioxin, Hydrazine, Mercury, Methylene chloride, Perc, Phenol, PCBs, TCA, Xylenes
—Also see Military Bases, Appendix C-II		
National Security		Ammonia, Benzene, Beryllium, Cadmium, Chlorinated phenols, Chromium, ETO, Formaldehyde, Gasoline vapors, Hydrogen chloride, Hydrogen sulfide, Lead, Manganese, Methylene chloride, Nickel, Perc, Phenol, POM, PAHs, Radionuclides, TCA, TCE, Xylenes

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Natural Gas Combustion – see Combustion, Appendix C-I

Needle, Pin, & Fastener Mfg

Formaldehyde, Hydrogen-chloride, Lead,  
Toluene, TCE, Zinc

—Also see Metal Prod Fabrication, Appendix C-II

Newspaper Publishing – see Printing & Publishing, Appendix C-II

Nickel Plating – see Metal Plating, Appendix C-II

Office Machine Mfg – see Machinery Mfg, Appendix C-II

Office Supplies Mfg —

—Carbon Paper & Inked Ribbons

Toluene

—Lead Pencils & Art Goods

Copper, Formaldehyde, Toluene

—Marking Devices

Lead, Toluene, TCE, Zinc

—Pens & Mech Pencils

Chlorine, Methylene chloride, Perc,  
Toluene, TCE

—Ink/Dye Mfg – see Chemical Mfg, Appendix C-II

Oil Combustion – see Combustion, Appendix C-I

Oil and Gas Extraction

Benzene, Phenols, POM, PAHs, Sulfur  
compounds, Toluene, Xylenes

—Drilling Wells

Hydrogen sulfide

—Exploration

Benzene, Carbon tetrachloride, Chlorobenzene,  
1,4-Dichlorobenzene, EDC, Hydrogen  
sulfide, Toluene, TGA, Xylenes

—Extraction

—Natural Gas & Crude Petroleum

Ammonia, Formaldehyde, Gasoline vapors,  
Hydrogen sulfide

—Nat'l Gas Liquids

Ammonia, Hydrogen sulfide

—Field Services

Hydrogen sulfide, Gasoline vapors

—Gas Stripping

Gaseous and aerosol releases

—Fugitive Losses

From field separator

EDC

—Oil Production

Gaseous and aerosol releases

—Fugitive Losses

from: sumps, wells, well heads, well cellars,  
pumps, fittings, oil pits, compressors,  
oil/water separators,

—Tertiary Oil

Gaseous and aerosol releases

—Production

from: steam drive wells, cyclic  
wells, pseudo cyclic wells

—Heavy Oil Test

Gaseous and aerosol releases

—Stations

From test stations

—Combustion Processes – see Combustion, Appendix C-I

—Oil Storage – see Liquid Storage and Transfer, Appendix C-I

—Other Processes – see Other Processes & Fugitives, Appendix C-I

—Solvent Use – see Solvent Use, Appendix C-I

—Storage & Handling – see Liquid Storage & Transfer, Appendix C-I

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Organic Chemical Mfg – see Chemical Mfg, Appendix C-II

Paint & Allied Products Mfg – see Chemical Mfg, Appendix C-II

Paper & Paper Prod. Mfg/Treating – see Wood, Appendix C-II

Pens & Pencils – see Office Supplies, Appendix C-II

Petroleum Bulk Stations &  
Terminals

Benzene, Benzyl chloride, Carbon Tetrachloride  
Chlorine, EDB, EDC, Formaldehyde, Gasoline  
vapors, Hydrogen chloride, Hydrogen sulfide,  
Methyl methacrylate, Styrene, Toluene, Xylenes

—Also see – Bulk Plants & Terminals, Appendix C-II

Petroleum & Coal Products

—Miscellaneous

Chromium, Gasoline vapors, Naphthalene  
Asbestos, Carbon tetrachloride, Chromium,  
Formaldehyde, POM, PAHs

—Asphalt Felts & Ctgs

Asbestos, Benzene, Epichlorohydrin,  
Formaldehyde, Hydrogen sulfide, Toluene,  
TCA, TCE, Xylenes

—Lubricating Oils & Greases

—Paving & Roofing Mat'ls

Paving Mixtures & Blocks

Ammonia, Asbestos, Benzene, BaP & other  
PAHs, Chloroform, Chromium, Formaldehyde,  
Mercury, Methyl isocyanate, POM, Toluene, TCA

—Petroleum Refineries

(1)Most Refinery  
Operations

Gaseous, aerosol, partic releases  
including but not limited to:  
From: boiler, cat cracker, flare,  
incinerator, process heater

Acetaldehyde, Ammonia, Arsenic, Benzene, BaP  
& other PAHs, Beryllium, Cadmium, Carbon  
disulfide, Chlorine, Chromium,  
Cresol, Dimethyl sulfate, EDB, EDC, Formal-  
dehyde, Gasoline vapors, Hydrogen chloride,  
Hydrogen sulfide, Lead, Maleic anhydride,  
Mercury, Naphthalene, Nickel, Phenol,  
POM, Toluene, Xylenes, Zinc, Zinc oxide

—(2)Crude Separation-In addition to item (1) absorber,  
Gas Product'n

distillation/fractionation

In addition to item (1) Ammonia, Chlorides,  
Cresols, EDC, Maleic anhydride, Michler's  
Ketone, Phenols, POM, PAHs, Sulfur Cmpds, Zinc

—(3)Light Hydrocarbon  
Processing

In addition to item (1): catalyst  
regeneration

In addition to item (1) Nickel Carbonyl

—(4)Middle and HeavyIn addition to items (1) and (2):  
Distillate Process

evaporation, stripper

In addition to item (1) Acetaldehyde, Ammonia,  
Copper, Cresols, Formaldehyde, Maleic anhydride,  
Michler's ketone, Nickel, Phenols, POM,  
PAHs, Sulfur Compounds, Xylenes, Zinc,  
Any other listed Aromatic amine

—(5)Residual Hydrocarbon Processing

In addition to items (1) and (2):  
visbreaker furnace, process vent, stripper

In addition to item (1) Acetaldehyde, Ammonia,  
Chromates, Cresol, Formaldehyde, Lead,

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	Maleic anhydride, Michler's Ketone, Lead, Nickel, Nickel carbonyl, Phenols, POM, PAHs, Sulfur Cmpds, Zinc, Any other listed Aromatic amine
—Also see Combustion, Liquid Storage & Transfer, and Other Processes, Appendix C-I —Chemical Mfg. and Oil & Gas Extraction, Appendix C-II	
Pharmaceutical Industries – see Chemical Mfg, Drugs, Appendix C-II	
Photocopying & Blueprinting	Ammonia
Photographic Chemicals Mfg – see Chemical Mfg, Appendix C-II	
Photographic Studios	Ammonia
Photofinishing Labs	Methylene chloride, TCA
Pipelines – see Other Processes and Liquid Storage & Transfer, Appendix C-I	
Plastic & Synthetics Mfg – see Chemical Manufacturing, Appendix C-II	
Plastic Products Mfg —Plastics Forming	TCA
Printing & Publishing —Miscellaneous —Blankbooks & Bookbinding —Blankbooks & Loose leaf Binders —Bookbinding etc —Books —Printing —Publishing	Toluene Ammonia, Toluene, TCA, TCE Toluene Lead, TCA Arsenic, Lead
—Newspapers —Printing (Commercial) —Engraving & Plate —Gravure	TCE Toluene, TCA Benzene Ammonia, Benzene, Cadmium, Formaldehyde, Gasoline vapors, Methylene chloride, Nickel, Perc, Toluene, TCA, TCE, Xylenes
—Letterpress	Ammonia, Benzene, Chromium, Methylene chloride, Naphthalene, Perc, Toluene, TCE
—Lithographic —Printing Trade Sves —Typesetting —Electrotyping & Stereotyping	Ammonia, Benzene, Toluene, TCE Ammonia Lead
—Publishing (Misc)	Toluene
—Combustion Processes – see Combustion, Appendix C-I —Ink Mfg – see Chemical Mfg, Appendix C-II —Printing – see Solvent Use, Appendix C-I —Surface Coating – see Solvent Use, Appendix C-I	

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Process Gas Combustion – see Combustion, Appendix C-I

Publicly Owned Treatment Works (POTWs)	Miscellaneous	Acrylonitrile, Benzene, Carbon tetrachloride, CFC-113, Chlorine, Chlorobenzene, Chloroform, EDC, Fluorocarbons, Hydrogen sulfide, Methylene chloride, Perc, Toluene, TCA, TCE, Vinyl chloride, Vinylidene chloride, Xylenes
	Gaseous products including but not limited to:	
	From raw sewage offgases	Carbon tetrachloride, Chlorobenzene, p-Dichlorobenzene, EDC
Combustion	From exhaust gases of digester gas burning engines modified to lower NOx emissions	Acrolein, 1,3-Butadiene
Sludge Composting	From sawdust used as bulking agent (sawdust from lumber obtained at structural demolition projects)	Ammonia, Dimethylamine Asbestos
Sludge Dewatering (using an aminomethylated polyacrylamide having a dimethylamine group in the polymer)		Dimethylamine
Sludge Treatment		Chloroform
Aeration Tanks – see Liquid Storage & Transfer, Appendix C-I		
Chlorinator Discharge		
Digesters		
Headworks		
Sludge Incinerators – see Combustion, Appendix C-I		
Water Treatment – see Other Processes, Appendix C-I		
Pulp Mills – see Wood Product Mfg, Appendix C-II		
Quarries	Particulate-phase substances including but not limited to:	Asbestos, Arsenic, Silica
Railroad Equip Mfg – see Transportation Equip, Appendix C-II		
Refractory Production		Chromium
Research & Devel. Labs		Ammonia, Cadmium, Chloride, Chromium, Copper, Formaldehyde, Hydrogen chloride, Hydrogen sulfide, Lead, Manganese, Mercury, Methylene chloride, Nickel, Perc, Phosgene, Phthalic anhydride, Styrene, Toluene, TCA, TCE, Zinc, Zinc oxide
Commercial Testing Labs		Epichlorohydrin, Hydrogen sulfide
Chemical Mfg – see Chemical Mfg, Appendix C-II		
Combustion Processes – see Combustion, Appendix C-I		

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—Other Processes—see Other Processes, Appendix C-I

—Solvents—see Solvent Use, Appendix C-I

—Storage and Handling—see Liquid Storage & Transfer, Appendix C-I

Roadway Surfacing

Asbestos, Benzene

Rubber Mfg—see Chemical Mfg, Appendix C-II

Rubber & Misc Plastics Prod

—Fabricated Rubber Prod

Ammonia, Benzene, Chlorine, ETO,  
Formaldehyde, Hydrogen chloride, Lead,  
Methylene chloride, Naphthalene, Perc,  
Styrene, Toluene, Toluene diisocyanate,  
TCA, Vinyl chloride, Zinc, Zinc oxide

—Plastics Prod, Misc

Acetaldehyde, Acrylonitrile, Ammonia,  
Benzene, Benzyl chloride, Beryllium,  
Chlorine, EDC, ETO, Formaldehyde,  
Freon 113, Gasoline vapors, Hydrogen  
chloride, Hydrogen sulfide, Lead,  
Mercury, Methyl methacrylate, Methylene  
chloride, Naphthalene, Phenol, Phthalic  
anhydride, Styrene, Toluene, Toluene  
diisocyanate, TCA, TCE, Vinyl chloride,  
Zinc oxide

—Reclaimed Rubber

Benzene, Cadmium, Lead, Naphthalene, Toluene

—Rubber & Plastic Footwear

Naphthalene, Toluene, TCA

—Rubber & Plastic Hose/Belting

Perc, Toluene

—Tires & Inner Tubes

Ammonia, Benzene, Methylene chloride,  
Styrene, Toluene, TCA, Zinc oxide

—Rubber Mfg—see Chemical Mfg, Appendix C-II

—Surface Coating—see Solvent Use, Appendix C-I

Rubber-Cement Application/Manufacture

—Application—see Solvent Use, Appendix C-I

—Manufacture—see Solvent Use, Appendix C-I and Chemical Mfg, Appendix C-II

Saw Mills—see Wood Product Mfg, Appendix C-II

Semiconductor Mfg—see Electronic Equipment Mfg, Integrated Circuits, Appendix C-II

Sewage Plants—see Combustion (Incineration), Appendix C-I

Shingle & Siding Mfg

Asbestos

—Also see Plastics, Appendix C-II

Sign & Advert. Display Mfg

Ammonia, Beryllium, Hydrogen chloride,  
Naphthalene, Perc, Toluene, TCA, TCE, Zinc

Smelters—see Metal Smelters, Appendix C-II

Solvent Recycling

Benzene, Chlorinated organics



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—Also see— Solvent Use, Appendix C-I

### Space Research & Technology

- Combustion Processes—see Combustion, Appendix C-I
- Degreasing—see Solvent Use, Appendix C-I
- Research—see Research & Development, Appendix C-II
- Surface Coating—see Solvent Use and Other Processes, Appendix C-I
- Vehicle Refueling—see Other Processes, Appendix C-I

### Sporting & Athletic Goods Mfg

- Also see Combustion, Solvent Use, and Surface Coating, Appendix C-I
- Chemical Mfg, Metal Product Mfg, Rubber Product Mfg, and Textiles Mfg, Appendix C-II

Methylene chloride, TCA

Stone Products Mfg—see Clay, Glass & Stone Products, Appendix C-II

### Surface Coating Application/Manufacture

- Application—see Solvent Use and Surface Coating, Appendix C-I
- Manufacture—see Chemical Mfg, Appendix C-II

### Surgical & Med Supp Mfg

- Combustion Processes—see Combustion, Appendix C-I
- Degreasing—see Solvent Use, Appendix C-I
- Instruments—see Instrument Mfg, Appendix C-II
- Other Processes—see Other Processes, Appendix C-I
- Pharmaceuticals Mfg—see Chemical Mfg, Appendix C-II
- Sterilization—see Sterilizers, Appendix C-I
- Surface Coating—see Solvent Use, Appendix C-I

TSDFs—see Transfer, Storage, & Disposal Facilities, Appendix C-II

### Textile Mill Product'n Mfg:

—Miscellaneous

Asbestos, Benzene, Benzidine, Bis(chloromethyl) ether, 1,4-Dichlorobenzene, Dichloroethane, Dioxane, Ethyleneimine, Formaldehyde, Hydrazine, Methyl Bromide, Perc, Phenol, TCE

—Apparel/Other Textile Prod

Ammonia, Arsenic, Chlorine, EDC, Toluene, TCA

—Fur Goods

Ammonia, Perc

—Apparel Belts

Ammonia, Cadmium, Copper, Toluene, Zinc

—House Furnishings

Napthalene, Toluene

—Auto/Apparel Trimmings

Ammonia, Arsenic, Benzene, Toluene, Vinyl chloride

—Floor Covering Mills

—Miscellaneous

Arsenic

—Woven Carpets & Rugs

Arsenic

—Tufted Carpets & Rugs

Benzene, Formaldehyde

—Knitting Mills

Benzene, Benzidine

—Hosiery

Acrylonitrile, Benzene

—Knit Outerwear Mills

Ammonia, Arsenic, Benzene, Perc

—Narrow Fabric Mills

Benzene, 1,4-Dioxane, Mineral fibers

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Nonwoven Industry	Bis(chloromethyl) ether
Textile Finishing	
Miscellaneous	Acrylonitrile, Benzene, Benzenes, 1,3- Butadiene, Formaldehyde, Hydrazine, Perc, Toluene, Vinyl chloride, Vinylidene chloride, Xylenes
Finish Plants	
Cotton	Acrylonitrile, Benzene, Chromium, 1,4-Dichlorobenzene, Toluene
Synthetic	Benzene, Copper, 1,4-Dioxane, Formaldehyde, Hydrazine, Perc, Xylenes
Weaving Mills	
Cotton	Acrylonitrile, Benzene, 1,4-Dioxane, EDC, Toluene
Synthetics	Acrylonitrile, Benzene, Chloroform, 1,4- Dioxane, EDC, Formaldehyde, Mineral fibers, Perc, Styrene, Toluene diisocyanate
Wool	Benzene, 1,4-Dioxane, Formaldehyde, Perc 1,4-Dichlorobenzene
Woven Fabric Finishing	
Yarn & Thread Mills	
Yarn Mills,not wool	Toluene diisocyanate
Throwing & Winding	Ammonia, Lead, Toluene diisocyanate
Wool Yarn Mills	Arsenic
Misc Textile Goods	
Coated Fabrics, not rubberized	Arsenic, Benzene, Cresol, Formaldehyde, Hydrogen chloride, Lead, Perc, Styrene, Toluene, Xylenes
Cordage & Twine	TCA
Felt goods	Arsenic, TCA
Paddings & Upholstery Filling	Benzene
Processes Textile	
Waste	Formaldehyde
Tire Cord & Fabric	Ammonia, Asbestos, Benzene, Formaldehyde, Perc
Cleaning – see Degreasing, Appendix C-I and Dry Cleaning, Appendix C-II	
Combustion Processes – see Combustion, Appendix C-I	
Dyeing – see Chemical Mfg and Dyeing of Textiles, Appendix C-II	
Surface Coating/Solvent Use – see Solvent Use, Appendix C-I	
Tobacco Mfg	
Cigarette Mfg	Benzene, Chloroform, Formaldehyde, Methylene chloride, Perc, Toluene
Tobacco Stemming & Redrying	Benzene
Toy & Sporting Good Mfg	
Dolls	Acrylonitrile, Toluene
Games, Toys, & Children's Vehicles	Styrene, Toluene
Sport & Athletic Goods	Perc, Styrene, Toluene
Combustion Processes – see Combustion, Appendix C-I	
Degreasing/Surface Coating – see Solvent Use and Other Processes, Appendix C-I	

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—Labeling/Packaging—see Printing and Wood (Paper) Products, Appendix C-II  
—Also see—Metal, Rubber, and Wood Products, Appendix C-II

Train Mfg/Rpf—see Transportation Equipment, Appendix C-II

Transfer, Storage, & Disposal Facil's (TSDFs)

—Combustion Processes—see Combustion, Appendix C-I  
—Other Processes—see Other Processes, Appendix C-I  
—Solvent Recycling—see Solvent Use, Appendix C-I  
—Storage—see Liquid Storage & Transfer, Appendix C-I

Transportation Equip Mfg/Rpr

Hydrogen chloride, Methylene chloride, Perc, Toluene, TCE

—Auto Repair/Auto Body Repair

Gen'l Auto Repair

Ammonia, Asbestos, Formaldehyde, Toluene, TCA

Tire Retreading & Rpr

Toluene

Paint Shops

Benzene, Naphthalene, Toluene, Xylenes, Zinc Oxide

Top & Body Rpr Shops

Naphthalene, Toluene

Motor Vehicles & Car Bodies

Ammonia, Cadmium, Chromium, Formaldehyde,

Hydrogen chloride, Lead, Methylene chloride, Phenol, Toluene

Motor Vehicle Parts & Accessories

Ammonia, Asbestos, Benzene, Cadmium,

Chlorine, Chloroform, Chromium, Copper,

Formaldehyde, Hydrogen chloride, Hydrogen

sulfide, Lead, Manganese, Methylene

chloride, Naphthalene, Perc, Toluene,

Toluene diisocyanate, TCA, TCE,

Zinc, Zinc oxide

Truck, Camper, Trailer & Bus Bodies

Chromium, Methylene chloride, Nickel,

Styrene, Toluene

—Auto Parts Mfg

Brake lining Mfg

Asbestos

—Aircraft & Parts

Ammonia, Chromium, Hydrogen chloride,

Hydrogen fluoride, Hydrogen sulfide, Lead,

Methylene chloride, Nickel, Perc, Styrene,

Toluene, TCA, TCE, Xylenes, Zinc, Zinc oxide

—Guided Missiles, Space

Vehicles, & Parts

Guid Mis'ls Spc Vehs

Formaldehyde, Hydrazine, Perc, Toluene,

TCE, Xylenes

Spc Propulsion Units & Parts

Hydrazine, TCE

Spc Veh Equipment

Ammonia, Hydrazine, Hydrogen chloride,

Lead, Methylene chloride, Toluene

Toluene

—Motorcycles, Bicycles & Parts

—Railroad Equipment

Ammonia, Chromium, Hydrogen chloride,

Methylene chloride, Nickel, Toluene,

Toluene diisocyanate, TCA

—Ship & Boat Bld & Rpr

Asbestos, Hydrazine, Methylene chloride,

Phenol, PCBs, Styrene, TCE

—Combustion Processes—see Combustion, Appendix C-I

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- Degreasing—see Solvent Use, Appendix C-I
- Metal Forming—see Machining and Metal Smelters, Appendix C-II
- Military Transport—see Military, Appendix C-II
- Paint Preparation—see Chemical Mfg, Appendix C-II
- Research—see Research & Development, Appendix C-II
- Space Transport—see Space Research & Technology, Appendix C-II
- Storage & Handling—see Liquid Storage & Transfer, Appendix C-I
- Surface Coating/Touch-up—see Solvent Use and Other Processes, Appendix C-I
- Upholstery Mfg—see Textile Mill Prod Mfg, Appendix C-II

### Transportation Equip Sales

- Boat Dealers \_\_\_\_\_ Toluene
- Used Car Dealers \_\_\_\_\_ Toluene

### Transportation Ports/Stations

- Airports & Flying Fields \_\_\_\_\_ Benzene, Dioxins, POM, PAHs, Radionuclides,
- Inspection & Weighing \_\_\_\_\_ Toluene
- Marine Cargo Handling \_\_\_\_\_ EDC, Lead, Methylene chloride, Perc, Toluene,
- \_\_\_\_\_ Toluene diisocyanate, TCA, TCE, Xylenes

- Combustion Processes—see Combustion, Appendix C-I
- Degreasing/Paint Stripping—see Solvent Use, Appendix C-I
- Electroplating—see Metal Plating, Appendix C-II
- Refueling—see Other Processes, Appendix C-I

Truck Mfg—see Transportation Equipment, Appendix C-II

Universities—see Colleges, Appendix C-II

Varnish Mfg—see Chemical Mfg, Appendix C-II

Water Treatment—see Other Processes, Appendix C-I

Wood Combustion—see Combustion, Appendix C-I

### Wood Preservation—Gaseous and aerosol releases

- Cellon Process \_\_\_\_\_ from: wood-preserving agents \_\_\_\_\_ Arsenic, Benzene, Chloroform, Chromium,
- Chromated Copper \_\_\_\_\_ Copper, Cresols, Dibenzofuran, Dioxins,
- Arsenate Process \_\_\_\_\_ Hydrogen chloride, Phenol, Naphthalene,
- Dricon Process \_\_\_\_\_ Toluene, Zinc, Zinc Oxide
- Diluent/Creosote Process \_\_\_\_\_
- Oil/Penta Process \_\_\_\_\_
- \_\_\_\_\_ vapor drying agents \_\_\_\_\_ various solvents \_\_\_\_\_
- \_\_\_\_\_ preserving carriers \_\_\_\_\_ various solvents \_\_\_\_\_
- \_\_\_\_\_ fire retardants \_\_\_\_\_ Formaldehyde, Zinc chloride

—Combustion Processes—see Combustion, Appendix C-I

Wood Chemicals Mfg—see Chemical Mfg, Appendix C-II

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Wood Products Mfg.	Miscellaneous	Cresols, Formaldehyde, Dioxins, TCE
—Fiberboard Mfg.		Chloroform
—Lumber		Cresols, Formaldehyde, Dioxins, TCE, Toluene
—Millwork, Plywood, &		
—Structural Members		
—Millwork		Asbestos, Carbon tetrachloride,
		Chlorophenols, Formaldehyde,
		Methylene chloride, Toluene, Xylenes
Wood Kitchen Cabinets		Methylene chloride, Naphthalene, Styrene,
		Toluene, TCA, Xylenes
Hardwood Veneer/Plywood		Formaldehyde, Perc
—Paper & Allied Prod Mfg		
	Gaseous/aerosol/particulate releases	
	including but not limited to:	
	From: Sizing agents	Acrylamide, Styrene
	Wet & dry-strength agents	Epichlorohydrin, Formaldehyde
	Adhesives	Acrylamide, Ammonia
	Dyes & pigments	Benzidine, Direct-Black 38, Direct Blue-6,
		Lead, o-Tolidine
	Binders	Styrene
	Pigment fillers/coatings	Asbestos, Styrene, Zinc, Zinc-Oxide
	Humectants	Formaldehyde
	Coatings	Ammonia, Sodium hydroxide
	Oil-resistant additives	Fluorochemical-chrome complex
	Machine operating aids	
	Retention aids	Asbestos, Epichlorohydrin
	Biocides & slime cont'l	Acrolein, TCA, Trichlorophenol
	Deinking agents	Sodium hydroxide
	Bleaching chemicals	Ammonia, Chlorine, Chloroform, Chromic sulfate,
		Methanol, Sodium hydroxide, Zinc
	From chemicals imported in waste	
	paper: ink pigments, coating	
	agents, binders, adhesives -	Chloroform, Phenol, Toluene
Bldg Paper & Board		
—Mills		Ammonia, Asbestos
Deink Fine & Tissue		
—Paper, Secondary		
—Fiber Mills		Chloroform
—Paper Mills Misc		Arsenic, Cadmium, Chlorine, Chloroform,
		Hydrogen sulfide, Toluene, TCE
Paperboard Contain-		
—ers & Boxes Mfg		
—Corrug. & Solid		
—Fiber Box		Ammonia, TCE
—Folding Box		Formaldehyde
—Sanitary Food		
—Containers		Acetaldehyde, Ammonia, Toluene
—Fiber Cans,		
—Drums, etc		Ammonia, Toluene

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Set-Up Box	Toluene
Paperboard Mills	Cadmium, Chloroform, Formaldehyde, Toluene
Converted Paper Prod	
Die-Cut Paper & Board	
	Toluene, TCE
Paper Bags	Acetaldehyde, Ammonia, Formaldehyde, Hydrogen chloride, Methylene chloride, Naphthalene, Perc, Toluene, TCA
Pressed & Molded Pulp Goods	Zinc
Miscellaneous	Ammonia, Formaldehyde, Toluene
Pulp Mill Mfg	
Groundwood/Mechanical Pulp Mfg	
Chemical Pulp Mfg	Ammonia, Calcium, Carbon, Caustic soda, Sodium sulfate, Sulfur dioxide
Dissolving Pulp	
Kraft or Sulfite	Chloroform
Sulfite Papergrade Pulp	Chloroform
Deink Fine & Tissue Paper	Chloroform
Pressed & Molded Pulp Goods	Zinc
Miscellaneous	Chlorine, Chloroform, Hydrogen sulfide
Also see - Paperboard, Coarse Paper, Tissue Paper, Appendix C-II	
Plywood Mfg	Cresols, Dioxins
Presswood & Laminated	Phenol-formaldehyde resins - Formaldehyde, Phenol
Wood Products Mfg	
	Melamine-formaldehyde resins - Formaldehyde
	Dispersion agent (during glue formulation)
	Sodium hydroxide
	Formaldehyde scavengers - Ammonia
Sawmills & Planing Mills	Acetaldehyde, Formaldehyde, Lead, POM, PAHs, Toluene
Hardwood Dimension & Flooring	Toluene
Softwood Veneer Mfg	Cresols, Dioxins
Wood Containers	Toluene
Wood Furniture Mfg	
Wood Finishing	Chromium, Methylene chloride, TCA
Combustion Processes - see Combustion, Appendix C-I	
Surface Coating - see Solvent Use and Other Processes, Appendix C-I	
Wool Fabric Mills - see Textile Mfg	
All Other Industries	
Gaseous releases from combustion, storage, handling, process vessels, etc	Feedstocks that are on list of substances or may contain listed substances as substances.
Particulate and aerosol releases from combustion, storage, handling, process vessels, etc	Check all materials manufactured for components that are on listed substances

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Process loss and fugitive releases

Check all materials manufactured for

anywhere along the process train

components that are on listed substances

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Adhesives Application - see Solvent Use and Other Processes, Appendix C-I	-	-	-
Adhesives Manufacturing - see Chemical Manufacturing, Appendix C-II	-	-	-
Aerospace Products Manufacturing (SIC 372x, 376x)	-	-	<b><u>Beryllium, Bromoform, Cadmium, Ethyl methacrylate, Flame retardants, Hafnium and compounds, Isocyanates, Nickel, Polychlorinated terphenyls, t-Butyl acetate</u></b>
Aerospace Products Manufacturing (SIC 372x, 376x)	Research - see Chemical Manufacturing and Research & Development, Appendix C-II	-	-
Aerospace Products Manufacturing (SIC 372x, 376x)	Surface Coating - see Solvent Use & Other Processes, Appendix C-I	-	-

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<u>Agricultural Production (SIC 01xx, 02xx)</u>	-	-	<u>Ammonia, Ammonium chloride, Azoxystrobin, Chloramben, Chlordane, Chlorine, delta-9-THC, Diquat dibromide (and mixtures), Disodium cyanodithioimidocarbonate, EDB, Glyphosate, Hydrogen sulfide, Lead, Methylarsonic acid, Silica, Tribufos, All listed metals, All relevant pesticides</u>
<u>Agricultural Production (SIC 01xx, 02xx)</u>	<u>Agricultural Chemical Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Agricultural Production (SIC 01xx, 02xx)</u>	<u>Pesticide Use - see Other Processes, Appendix C-I</u>	-	-
<u>Agricultural Production (SIC 01xx, 02xx)</u>	<u>Waste Burning - see Combustion, Appendix C-I</u>	-	-
<u>Agricultural Services (SIC 07xx)</u>	<u>Crop Preparation Services for Market (SIC 0723)</u>	-	<u>Aluminum phosphide, Carbonyl sulfide, Diphenylamine, EPTC, Ethyl parathion, Ethylene, Fenamiphos, Fusarium, Imazalil, Magnesium phosphide, Methyl bromide, Methylene chloride, 2-Phenylphenol, Propargyl alcohol, Sodium tetrathiocarbamate, Sulfuryl fluoride, Urethane, All relevant pesticides</u>
<u>Agricultural Services (SIC 07xx)</u>	<u>Cotton Ginning (SIC 0724)</u>	-	<u>Ammonia, Arsenic</u>



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<u>Aircraft Manufacturing - see Transportation Equipment Manufacturing, Appendix C-II</u>	-	-	-
<u>Airports - see Transportation Stations, Appendix C-II</u>	-	-	-
<u>Air Stripping - see Contaminated Soil/Water Remediation, Appendix C-I</u>	-	-	-
<u>Almond Processing (SIC 0173)</u>	-	-	<u>Arsenic</u>
<u>Almond Processing (SIC 0173)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Apparel Manufacturing - see Textile Mill, Appendix C-II</u>	-	-	-
<u>Arsenic Mining - see Mining Non-Metals, Appendix C-II</u>	-	-	-
<u>Artificial Flower Manufacturing (SIC 3999)</u>	-	-	<u>Toluene</u>

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<u>Asbestos Milling/Processing - see Clay, Glass, &amp; Stone Products, Appendix C-II</u>	-	-	-
<u>Asbestos - see Mining Non-Metals, Appendix C-II</u>	-	-	-
<u>Asphalt Materials Manufacturing (SIC 295x)</u>	-	-	<b><u>Biphenyl</u></b>
<u>Asphalt Materials Manufacturing (SIC 295x)</u>	<u>Asphalt Felts &amp; Coatings - see Petroleum &amp; Coal Products, Appendix C-II</u>	-	-
<u>Asphalt Materials Manufacturing (SIC 295x)</u>	<u>Asphaltic Concrete Products (Including Asphalt Paving Materials Manufacturing) (SIC 2951)</u>	<u>Gaseous, aerosol, and particulate releases from Batch Plants and Continuous Plants, Paving Operations</u>	<u>Aluminum, Benzene, Benzofuran, Carbon tetrachloride, Dibenzofurans, Diethylenetriamine, Ethylene glycol, Ethylenediamine, Formaldehyde, 1-Methylnaphthalene, Methylnapthalene (mixed), Mineral fibers (asbestos and related), Organics, PAHs and PAH-related compounds, Phosphorus pentoxide, POM, Silicon carbide whiskers, Special-purpose fibers, 1,1,1-TCA, Toluene, Xylenes, All listed metals</u>
<u>Asphalt Materials Manufacturing (SIC 295x)</u>	<u>Asphaltic Concrete Products (Including Asphalt Paving Materials Manufacturing) (SIC 2951)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-

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<u>Asphalt Materials Manufacturing (SIC 295x)</u>	<u>Asphaltic Concrete Products (Including Asphalt Paving Materials Manufacturing) (SIC 2951)</u>	<u>Surface Coating - see Solvent Use &amp; Other Processes, Appendix C-I</u>	-
<u>Asphalt Materials Manufacturing (SIC 295x)</u>	<u>Asphaltic Concrete Products (Including Asphalt Paving Materials Manufacturing) (SIC 2951)</u>	<u>Storage &amp; Handling - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-
<u>Auto Repair, Services &amp; Garages - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Auto Parts Manufacturing - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Battery Production - see Metal Smelters, Appendix C-II</u>	-	-	-
<u>Beauty Shops (SIC 7231)</u>	-	-	<b><u>Diethylene glycol monobutyl ether, EGDMA, Ethyl cyanoacrylate, Isobutyl methacrylate, Methacrylic acid, 4-Methoxyphenol, Methyl cyanoacrylate</u></b>
<u>Beryllium Mining - see Metal Smelters, Appendix C-II</u>	-	-	-

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<u>Bicycle Manufacturing/Repair - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Boat Building/Repair - see Transportation Equipment (Ship &amp; Boat Building), Appendix C-II</u>	-	-	-
<u>Box Manufacturing (folding paperboard type) - see Paper &amp; Allied Products Manufacturing, Appendix C-II</u>	-	-	-
<u>Bulk Plants and Terminals (SIC 5171)</u>	<u>Gaseous and aerosol releases</u>	-	<u>Benzene, Gasoline vapors, Specific Stored Substances listed in Appendix A-I or A-II</u>
<u>Bulk Plants and Terminals (SIC 5171)</u>	<u>Barrel Breathing</u>	<u>From fixed roof tanks</u>	-
<u>Bulk Plants and Terminals (SIC 5171)</u>	<u>Barrel Filling</u>	<u>From variable vapor space tanks</u>	-
<u>Bulk Plants and Terminals (SIC 5171)</u>	<u>Barrel Standing</u>	<u>From floating roof tanks</u>	-
<u>Bulk Plants and Terminals (SIC 5171)</u>	<u>Barrel Withdraw</u>	<u>From floating roof tanks</u>	-
<u>Bulk Plants and Terminals (SIC 5171)</u>	<u>Valves, Vapor Collect/Control</u>	<u>From flanges, pumps, and tank trucks</u>	-
<u>Burial Caskets Manufacturing (SIC 3995)</u>	-	-	<u>Toluene</u>

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<u>Burning of Solid Waste (Open) - see Combustion, Appendix C-I</u>	-	-	-
<u>Bus Manufacturing/Repair - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Button Manufacturing (SIC 3965)</u>	-	-	<u>Formaldehyde, Styrene and copolymers, TCE, Toluene</u>
<u>Cadmium Plating - see Metal Plating, Appendix C-II</u>	-	-	-
<u>Camper &amp; Trailer Manufacturing - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Can Manufacturing - see Metal Product Fabrication, Appendix C-II</u>	-	-	-
<u>Canned Food Product Manufacturing</u>	<u>Can Fabrication - see Metal Product Fabrication, Metal Cans, Appendix C-II</u>	-	-
<u>Canned Food Product Manufacturing</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Canned Food Product Manufacturing</u>	<u>Food Processing - see Food Product Manufacturing, Appendix C-II</u>	-	-
<u>Canned Food Product Manufacturing</u>	<u>Paper Labeling - see Wood Product Manufacturing, Appendix C-II</u>	-	-
<u>Canned Food Product Manufacturing</u>	<u>Printing - see Printing &amp; Publishing, Appendix C-II</u>	-	-
<u>Canned Food Product Manufacturing</u>	<u>Sterilization - see Other Processes, Appendix C-I</u>	-	-
<u>Canned Food Product Manufacturing</u>	<u>Surface Coating - see Solvent Use And Other Processes, Appendix C-I</u>	-	-
<u>Car Manufacturing/Repair - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Carbon Black &amp; Charcoal Manufacturing - see Chemical Manufacturing, Carbon, Appendix C-II</u>	-	-	-
<u>Cement Manufacturing - see Clay, Glass, &amp; Stone Products Manufacturing, Appendix C-II</u>	-	-	-

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Ceramic Plants</u>	<u>Pottery &amp; Related (China, Plumbing, Porcelain, Earthenware) - see Clay, Glass &amp; Stone Products, Pottery &amp; Related Products, Appendix C-II</u>	-	-
<u>Ceramic Plants</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Charcoal Manufacturing - see Carbon, Appendix C-II</u>	-	-	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Gaseous, aerosol, and particulate releases from any/all operations, especially process reactor vessel, fugitives, storage, handling, ducted building exhaust, reagents and intermediates</u>	-	<u>Any of the following types of chemicals, listed in Appendix A-I, A-II, or A-III: FEEDSTOCK CHEMICAL(S), MANUFACTURED CHEMICAL(S), BY-PRODUCT CHEMICALS</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Also see Combustion, Other Processes, Solvent Use, and Storage &amp; Handling, Appendix C-I</u>	-	-

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Chemical Manufacturing (SIC 28xx)	Miscellaneous (SIC 28xx, 2899)	-	<p><u>Acetaldehyde, Acetic acid, Acrolein, Acrylonitrile, Ammonia, Aniline, Antimony trisulfide, Arsenic, Arsenic compounds (inorganic), Barium chromate, Benzene, Benzofalpyrene, Beryllium, Bis(chloromethyl) ether, 1,3-Butadiene, Cadmium, Carbon black extracts, Carbon tetrachloride, Chlorine, Chloroform, Chloropicrin, Chromium, Chromium hexavalent, Copper, Cresol, Cyclododecane, delta-9-THC, Dibutyl phosphate, Diesel engine PM, Di(2-ethylhexyl) phthalate, Dimethyl glutarate, 1,1-Dimethylhydrazine, 1,4-Dioxane, EDB, Ethyl benzene, Ethylene oxide, ETO, Fluorocarbons (Chlorinated), Formaldehyde, Furfuryl alcohol, Glycol ethers and their acetates, Hexachlorobutadiene, Hydrochloric acid, Hydrogen chloride, Hydrogen fluoride, Hydrogen sulfide, Isocyanates, Isopropyl alcohol, Lead, Lead compounds (inorganic), Maleic anhydride, Manganese, Mercury, Methanol, Methyl bromide, Methyl ethyl ketone, Methylene chloride, mono-Nitroaniline, Naphthalene, Nickel, 2-Nitropropane, PAHs and PAH-related compounds, Perchloroethylene, Phenol, Phthalic anhydride, Propionaldehyde, Propylene oxide, Silica (crystalline, respirable), Sodium aluminum fluoride, Sodium hydroxide, Styrene, Sulfur tetrafluoride, Sulfuric acid, 1,1,1-TCA, 1,1,2-TCA, TCE, 1,1,1,2-Tetrachloroethane, Tetraethylene glycol, Toluene, Toluene diisocyanates, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, Vinyl chloride, Xylenes, Zinc, Zinc oxide, Any other listed substances</u></p>



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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Acids Manufacturing (SIC 2899)</u>	-	<u>Acetaldehyde, Acrolein, Copper, Cresols, <b>Hexachlorocyclopentadiene</b>, Hydrochloric acid, Phenol, Toluene, Xylenes</u>

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Adhesives & Sealants Manufacturing (SIC 2891)	-	<u>Acrylamide, Acrylic acid, Adipic acid, Allyl methacrylate, Aluminum diethyl phosphinate, Ammonia, Ammonium chloride, Antimony trioxide, Arsenic, Arsenic pentoxide, Barium sulfate, Benzaldehyde, Benzene, Benzofuran, Biphenyl, Bromonaphthalene, n-Butyl alcohol, n-Butyl glycidyl ether, Chloromethyl methyl ether, 4-Chloro-o-phenylenediamine, 4-Chlorophenol, Chloroprene, Cobalt octoate, Cyclosiloxanes, D4, Diethylenetriamine, Di(2-ethylhexyl) phthalate, Diglycidyl ether, Dimethyl carbonate, Dimethyl glutarate, Dimethyl hydrogen phosphite, Dimethyl-p-toluidine, 1,4-Dioxane, EDC, Epoxy resins, Ethyl acetate, Ethyl benzene, Ethyl mercaptan, Ethylene, Ethylene glycol, Ethyleneimine, Ethylidene dichloride, Flame retardants, Fludioxonil, Formamide, Glutaraldehyde, Glycerinaldehyde, Glycol ethers and their acetates, Hexane, Iodoform, Isobutyl alcohol, Isocyanates, Isoprene, Isopropyl alcohol, Lead, Methacrylic acid, Methyl ethyl ketone, Methyl methacrylate, 2-Methylaziridine, Methylene bis(4-cyclohexylisocyanate), Methylene chloride, Mineral fibers (asbestos and related), Nitromethane, 2-Nitropropane, Nitrosomorpholine, N,N-Dimethylacetamide, Novolac resins, PCBTf, Perchloroethylene, Perfluoro and polyfluoro compounds, PFOA, Phthalates, n-Propyl bromide, Quinone, sec-Butyl alcohol, Silica (crystalline, respirable), Sodium fluoride, Styrene and copolymers, Styrene oxide, Succinic anhydride, t-Butyl acetate, 1,1,1-TCA, 1,1,2-TCA, TCE, Terephthalic acid, tert-Butyl alcohol, 3,3',4,4'-Tetrachlorobiphenyl, Tetrahydrophthalic anhydride, 4-t-Octylphenol, Toluene, m-Toluidine, Triethylamine, Trimellitic anhydride, 1,3,5-Trimethylbenzene, Trimethylolpropane triacrylate, Tri-n-butyl phosphate, Triorthocresyl phosphate, Vinyl acetate, Vinyl chloride, 4-Vinylcyclohexene, Vinylidene chloride, N-Vinyl-2-pyrrolidone, Xylenes</u>

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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Aerospace Chemical Manufacturing</u>	-	<b><u>Arsenic, Bromine pentafluoride, Chloroform, Chlorotrifluoromethane, EDC, Isocyanates, Phosgene, t-Butyl acetate, Toluene</u></b>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Agricultural Chemical Manufacturing (SIC 287x)</u>	-	<b><u>Acetic anhydride</u></b>

Industry/Emitting Process level 1	Industry/Emitting Process level 2	Industry/Emitting Process level 3	Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Agricultural Chemical Manufacturing (SIC 287x)	Miscellaneous	<p>Acetaldehyde, <b><u>Acetoacetanilide</u></b>, Acrolein, Acrylonitrile, <b><u>Aldicarb</u></b>, Ammonia, Arsenic, <b><u>Azoxystrobin</u></b>, Benzene, <b><u>Benzenethiol</u></b>, <b><u>p-Benzoquinone dioxime</u></b>, <b><u>Benzotrichloride</u></b>, <b><u>beta-Naphthol</u></b>, <b><u>Bis(tributyltin) oxide</u></b>, <b><u>Bromine</u></b>, <b><u>Bromonaphthalene</u></b>, 1,3-Butadiene, Cadmium, <b><u>Carbaryl</u></b>, <b><u>Carbon disulfide</u></b>, Carbon tetrachloride, <b><u>Catechol</u></b>, <b><u>Chloramben</u></b>, <b><u>Chlordane</u></b>, Chlorine, <b><u>p-Chloroaniline</u></b>, Chlorobenzene, Chloroform, <b><u>1-Chloro-4-nitrobenzene</u></b>, <b><u>p-Chloro-o-toluidine</u></b>, <b><u>2-Chlorophenol</u></b>, Copper, Cresol, <b><u>2,3-Dibromo-1-propanol</u></b>, <b><u>Dichloroacetic acid</u></b>, <b><u>1,2-Dichlorobenzene</u></b>, <b><u>1,3-Dichlorobenzene</u></b>, 1,4-Dichlorobenzene, <b><u>Diethyl sulfate</u></b>, Dimethyl sulfate, <b><u>Di-n-propyl isocinchomeronate</u></b>, <b><u>Diquat dibromide (and mixtures)</u></b>, <b><u>Disodium cyanodithioimidocarbonate</u></b>, EDB, EDC, <b><u>Endrin</u></b>, <b><u>Ethyl mercaptan</u></b>, <b><u>Ethyleneimine</u></b>, ETO, Formaldehyde, <b><u>Glycol ethers and their acetates</u></b>, <b><u>Glyphosate</u></b>, Hexachlorobenzene, Hexachlorocyclopentadiene, <b><u>Hexafluoroacetone</u></b>, Hydrazine, Hydrogen chloride, Hydrogen sulfide, <b><u>Imazalil</u></b>, <b><u>Isocyanates</u></b>, Lead, <b><u>Magnesium phosphide</u></b>, Maleic anhydride, Mercury, Methyl bromide, Methyl isocyanate, <b><u>Methylarsonic acid</u></b>, Methylene chloride, <b><u>2-Methylimidazole</u></b>, <b><u>4-Methylimidazole</u></b>, <b><u>2-Methylpyridine</u></b>, <b><u>Molybdenum trioxide</u></b>, Naphthalene, <b><u>Nitrapyrin</u></b>, <b><u>Nitrotoluenes</u></b>, <b><u>PAHs and PAH-related compounds</u></b>, Phenol, <b><u>o-Phenylenediamine dihydrochloride</u></b>, Phorate, Phosgene, <b><u>Phosmet</u></b>, Phthalic anhydride, <b><u>Silica (crystalline, respirable)</u></b>, <b><u>Styrene and copolymers</u></b>, <b><u>Styrene oxide</u></b>, <b><u>Succinic anhydride</u></b>, <b><u>1,1,1,2-Tetrachloroethane</u></b>, <b><u>Thioglycolic acid and salts</u></b>, <b><u>2,4,6-Trichlorophenol</u></b>, <b><u>Tris(2-methyl-1-aziridinyl)phosphine oxide</u></b>, Vinyl chloride, Xylenes, Zinc, Zinc oxide</p>

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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Agricultural Chemical Manufacturing (SIC 287x)</u>	<u>Alkali Manufacturing - see Chemical Manufacturing, Industrial Inorganics, Alkalies &amp; Chlorine, Appendix C-II</u>	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Agricultural Chemical Manufacturing (SIC 287x)</u>	<u>Fertilizers (SIC 287x)</u>	<u>Ammonia, <b>Ammonium nitrate, Ammonium sulfate, Biphenyl, Cobalt, Cobalt chloride (hexahydrate), Formaldehyde</b>, Hydrogen sulfide, <b>Magnesium oxide</b>, Mercury, Metal compounds, Methanol, <b>Nitrapyrin, Nitric acid</b>, Phosphorus, <b>Potassium phosphite, Selenium</b>, Sodium hydroxide, <b>Sulfuric acid, Tribufos</b></u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Agricultural Chemical Manufacturing (SIC 287x)</u>	<u>Fertilizers, Nitrogenous (SIC 2873)</u>	<u>Ammonia, <b>Ammonium nitrate, Ammonium sulfate</b>, Cadmium, Hydrogen sulfide, Lead, Nickel, <b>Nitric acid</b></u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Agricultural Chemical Manufacturing (SIC 287x)</u>	<u>Fertilizers, Phosphatic (SIC 2874)</u>	<u>Ammonia, <b>Ammonium sulfate</b>, Arsenic, Cadmium, Hydrogen sulfide, <b>Phosphoric acid, Phosphorus, Sulfur</b></u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Agricultural Chemical Manufacturing (SIC 287x)</u>	<u>Fertilizers, Mixing Only (SIC 2875)</u>	<u>Ammonia, <b>Ammonium sulfate</b>, Arsenic, Sodium Arsenate</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Aldehyde Manufacturing (SIC 2869)</u>	-	<u>Aldehydes, Toluene</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Anti corrosives Manufacturing</u>	-	<u>Cresols, Hydrazine</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Bases Manufacturing</u>	-	<u>Ammonia, <b>Bromine</b>, Hydrazine, Sodium hydroxide, <b>1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane</b></u>

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Carbon Black &amp; Charcoal Manufacturing (SIC 2895)</u>	-	<u>Ammonia, Benzo[a]pyrene, <b>Coal tar, Cobalt</b>, Formaldehyde, Hydrogen sulfide, PAHs and PAH-related compounds, POM, Any other listed metals</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Chemical Preparations (SIC 2899)</u>	-	<u>Ammonia, Arsenic, Benzene, <b>Bromine</b>, Cadmium, Chlorine, <b>2-Chloropropanal</b>, Chromium, Copper, <b>Cyanogen chloride, Cyclododecane, Dichloroacetylene, Dimethyl carbamoyl chloride, Ethylene</b>, Formaldehyde, Hexachlorocyclopentadiene, Hydrazine, <b>Hydrogen bromide</b>, Hydrogen chloride, Hydrogen sulfide, <b>Isocyanates</b>, Lead, Maleic anhydride, Methyl isocyanate, Methyl methacrylate, <b>p-Nitroaniline</b>, Perchloroethylene, Radionuclides, <b>Shale oils</b>, Styrene and copolymers, <b>Sulfur dioxide</b>, TCE, <b>tert-Butyl hydroperoxide, 1,1,1,2-Tetrachloroethane, Tetrafluoroethylene</b>, Toluene, <b>1,2,4-Trichlorobenzene</b>, Vinyl chloride, Xylenes, Zinc, Zinc oxide</u>

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Chemical Reagents & Intermediates	-	<p> <u>Acetaldehyde, Acetamide, Acetic acid, Acetoacetanilide, Acetonitrile, Acrolein, Acrylamide, ADONA, Allyl bromide, Allyl chloride, Allyl methacrylate, Aluminum, Aluminum phosphide, Ammonia, o-Anisidine, Anthraquinone, Antimony trisulfide, Arsine, ATE, Benzene, Benzenesulfonic acid, Benzenethiol, Benzidine and its salts, Benzointrile, Benzotrichloride, Benzoyl chloride, Benzyl chloride, beta-Picoline, Biphenyl, 2,2-Bis(bromomethyl)-1,3-propanediol, Bis(2-chloroethyl) ether, Bis(chloromethyl) ether, Boron tribromide, Boron trifluoride complexes, Bromine, Bromine pentafluoride, 1-Bromo-3-chloropropane, Bromodichloromethane, Bromoethane, Bromonaphthalene, 1,3-Butadiene, n-Butyl alcohol, n-Butyronitrile, Cadmium, Cadmium chloride, Carbon disulfide, Carbon tetrachloride, Carbonyl fluoride, Carbonyl sulfide, Cerium, Chloral, Chloramine, Chlorine, Chlorine dioxide, 2-Chloroacetophenone, p-Chloroaniline, Chlorobenzene, Chlorobenzenes, Chloroform, Chloromethyl methyl ether, 1-Chloro-2-nitrobenzene, 1-Chloro-4-nitrobenzene, 3-Chloronitrobenzene, 4-Chloro-o-phenylenediamine, p-Chloro-o-toluidine, Chlorophenols, p-Chlorotoluene, Chromium hexavalent, Chromium (III) Sulfate, Chromium trioxide, Cobalt compounds, Cobalt octoate, p-Cresidine, Cresols, Crotonaldehyde, Cumene, Cumene hydroperoxide, Cupferron, Cyanamide, Cyanide compounds (inorganic), Cyanoacetic acid, Cyclododecane, Cyclohexane, Cyclohexanol, Cycloheximide, Cyclosiloxanes, Diazomethane, Dibromochloromethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,4-Dichloro-2-butene, 1,2-Dichloroethylene (cis, trans), 2,4-Dichloro-1-nitrobenzene, 2,4-Dichlorophenol, 2,5-Dichlorophenol, 1,2-Dichloropropane, 1,3-Dichloro-2-propanol, 1,3-Dichloropropene, Diethanolamine, Diethyl sulfate, Diethylenetriamine, Diisopropyl sulfate, Dimethyl carbamoyl chloride, Dimethyl carbonate, Dimethyl disulfide, Dimethyl formamide, Dimethyl glutarate, Dimethyl hydrogen phosphite, Dimethyl sulfate, 1,1-Dimethylhydrazine, Dimethyl-p-toluidine, 4,6-Dinitro-o-cresol (and salts), 2,4-Dinitrophenol, 1,8-Dinitropyrene, Dinitrotoluenes (mixed isomers), 1,4-Dioxane, Dioxins, 1,3-Dioxolane, Diphenyl thiourea, Diphenylamine, 1,2-Diphenylhydrazine, EDB, EDC, Epichlorohydrin, 1,2-Epoxybutane, Ethyl benzene, Ethyl chloride, Ethyl mercaptan, Ethyl methacrylate, N-Ethylaniline, o-Ethylaniline, Ethylene sulfide, Ethylenediamine, Ethyleneimine, Ethylidene dichloride, ETO, Flame retardants, Fluorocarbons (Chlorinated), Formaldehyde, Formamide, Formic acid, Furan, gamma-Butyrolactone, Glutaraldehyde, Glycol ethers and their acetates, Glycolonitrile, Glyoxal, Heptane, Hexachlorobenzene, Hexafluoropropylene, Hexahydrophthalic anhydride, Hexane, 2,5-Hexanedione, Hydrochloric acid, Hydrogen bromide, Hydrogen fluoride, Hydrogen peroxide (&gt;5%), Hydrogen selenide, Hydrogen sulfide, Hydrogenated terphenyls (nonirradiated), Iodine, Iodoform, Isobutyl acrylate, Isobutyl alcohol, Isobutyl nitrite, Isobutylene, Isobutyronitrile, Isophorone, Isopropyl alcohol, Isopropyl glycidyl ether, Ketene, Lead acetate, Lead subacetate, Magnesium oxide, Mercuric chloride, Methanol, Methyl acrylate, Methyl chloride, Methyl ethyl ketone, Methyl hydrazine, Methyl isopropyl ketone, Methyl methacrylate, Methyl phenyl carbinol, Methyl triflate, Methylacrylonitrile, 9-Methylanthracene, 2-Methylaziridine, 4,4'-Methylenedianiline (and dichloride), Methylhydrazine sulfate, 2-Methylactonitrile, 2-Methylpyridine, MIBK, Michler's ketone, Molybdenum trioxide, mono-Nitroaniline, Morpholine, MTBE, Naphthalene, Nickel, Nickel compounds, Nitrotriacetic acid, p-Nitroaniline, o-Nitroanisole, p-Nitroanisole, Nitrobenzene, 4-Nitrobiphenyl, 4-Nitrochlorobenzene, 1-Nitronaphthalene, 2-Nitronaphthalene, 4-Nitrophenol, 2-Nitropropane, N-Nitrosodiphenylamine, p-Nitrosodiphenylamine, N-Nitrosomorpholine, N-Nitroso-N-methylurea, Nitrotoluenes, N,N-Dimethylaniline, 1-Octanethiol, Octylphenol, Oleum, PAHs and PAH-related compounds,</u> </p>

Industry/Emitting Process level 1	Industry/Emitting Process level 2	Industry/Emitting Process level 3	Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
			<p><b><u>Palladium, Paraformaldehyde, PCBTf, Pentaborane, Pentachlorobenzene, Pentachloronitrobenzene, 1-Pentanethiol, Perchloroethylene, Perfluoroisobutylene, p-Phenetidine, Phenol, o-Phenylenediamine and its salts, p-Phenylenediamine, Phenylhydrazine and its salts, Phenylphosphine, Phosgene, Phosphine, Phosphorus, Phosphorus oxychloride, Phosphorus pentachloride, Phosphorus pentoxide, Phthalic acid, Phthalic anhydride, Phthalimide, Platinum, Polychlorinated dibenzofurans, Potassium bromate, 1,3-Propane sultone, 1-Propanethiol, Propargyl alcohol, Propionaldehyde, Propionitrile, n-Propyl alcohol, n-Propyl bromide, Propylene, Pyridine, Quinoline, Quinone, sec-Butyl alcohol, Selenium hexafluoride, Sodium chlorite, Sodium hydroxide, Sodium methoxide, Styrene oxide, Succinic anhydride, Sulfur tetrafluoride, Sulfur trioxide, Sulfuric acid, Sulfuryl fluoride, 1,1,2-TCA, TCE, Terephthalic acid, p-tert-Butyl toluene, Tetrabromobisphenol A, Tetrabromophthalic anhydride, Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, 1,1,2,2-Tetrachloroethane, Tetraethyllead, Tetrafluoroethylene, Tetramethylethylenediamine, Tetramethyllead, Thallium, Thioacetamide, Thionyl chloride, Tin, Tin oxide, Titanium dioxide, Titanium tetrachloride, 4-t-Octylphenol, Toluene, Toluene diisocyanates, m-Toluidine, o-Toluidine, trans-1,4-Dichlorobutene, 2,4,6-Trichloroaniline, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2,4,6-Trichlorophenol, 1,2,3-Trichloropropane, Triethylphosphine, Trimethyl phosphite, Trimethylamine, 1,2,3-Trimethylbenzene, 1,2,4-Trimethylbenzene, 2,2,4-Trimethylpentane, Triphenyl phosphite, Uranium and compounds, Urethane, Vanadium pentoxide, Vinyl acetate, Vinyl cyclohexene dioxide, Vinyl fluoride, 4-Vinylcyclohexene, Vinylidene chloride, Xylenes, 2,4-Xylidine, Zinc</u></b></p>



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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Chlorine (Electrolytic) Production (SIC 2812)</u>	-	Mercury, <b><u>Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene</u></b>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Chlorine (Electrolytic) Production</u>	<u>Also see Chemical Manufacturing, Industrial Inorganics, Alkalies &amp; Chlorine, Appendix C-II</u>	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-

Industry/Emitting Process level 1	Industry/Emitting Process level 2	Industry/Emitting Process level 3	Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Drug/Pharmaceutical Manufacturing (SIC 283x)	Miscellaneous (SIC 2834)	<p><b><u>Acetoacetanilide, Acetonitrile, Acetophenone, Acrylic acid, Acrylonitrile, Allyl chloride, Allyl isothiocyanate, 1-Amino-2,4-dibromoanthraquinone, Ammonia, Aniline, o-Anisidine, Anthranilic acid, Arsenic, Arsenic trioxide, Benzaldehyde, Benzene, Benzenesulfonic acid, Benzenethiol, Benzyl chloride, beta-Naphthol, beta-Picoline, Bis(2-chloroethyl) ether, Bis(2-chloro-1-methylethyl) ether, Bromine, Bromoethane, Bromoform, Carbon nanotubes, Carbon tetrachloride, Carrageenan, Catechol, Chlorine, Chloroacetonitrile, 2-Chloroacetophenone, p-Chloroaniline, Chlorobenzene, Chloroform, 4-Chlorophenol, Chromium, Cresols, Cycloheximide, 2,3-Dibromo-1-propanol, Dichloroacetic acid, Dichloroaniline (mixed isomers), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichloroethylene (cis, trans), Diethanolamine, Diethyl sulfate, 2,6-Diethylaniline, Diethylenetriamine, Dimethyl carbamoyl chloride, Dimethyl carbonate, Dimethyl formamide, Dimethyl sulfate, Dimethylamine, 1,4-Dioxane, Diphenylamine, Disulfiram, 1-Dodecanethiol, EDB, EDC, Epichlorohydrin, Ethyl chloride, Ethyl cyanoacrylate, Ethyl mercaptan, o-Ethylaniline, Ethylene glycol, Ethylene glycol monophenyl ether, Ethylene thiourea, Formaldehyde, Formamide, Furan, Gentian Violet, Glycolonitrile, Heptane, Hexachlorocyclopentadiene, 2,4-Hexadienal, Hexamethylenetetramine, Hexane, Hydrazine, Hydrochlorothiazide, Hydrogen chloride, Iodine, Iodoform, Isobutyl alcohol, Isobutyl nitrite, Isoprene, Lanthanum, Lauroyl peroxide, Lead, Malononitrile, Mercury, Methanol, Methyl acrylate, Methyl carbamate, Methyl cyanoacrylate, Methyl ethyl ketone, Methyl ethyl ketone peroxide, Methyl hydrazine, Methyl iodide, Methyl isopropyl ketone, Methyl methacrylate, Methylamine, 2-Methylaziridine, Methylene chloride, 2-Methylimidazole, 4-Methylimidazole, 2-Methylacetonitrile, 2-Methylnaphthalene, 2-Methylpyridine, MIBK, 5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)-amino]-2-oxazolidinone, 1,5-Naphthalenediamine, o-Nitroaniline, p-Nitroaniline, o-Nitroanisole, Nitrobenzene, Nitrogen mustard N-oxide hydrochloride, 1-Nitronaphthalene, 4-Nitrophenol, 2-Nitropropane, p-Nitrosodiphenylamine, N,N-Dimethylacetamide, N,N-Dimethylaniline, PAHs and PAH-related compounds, Parabens, PCBTF, Perchloroethylene, Phenol, Phenylhydrazine and its salts, Phosgene, Phosphorus oxychloride, Phosphorus trichloride, Phthalates, Propargyl alcohol, Propionitrile, n-Propyl alcohol, n-Propyl bromide, Pyridine, Quinoline, Quinone, Reserpine, Silica (crystalline, respirable), Silver, Sodium methoxide, Styrene and copolymers, Sulfur tetrafluoride, Sulfuryl fluoride, 1,1,1-TCA, TCE, Terephthalic acid, Tetrachlorophthalic anhydride, Thioacetamide, Thiourea, Toluene, Toluene sulfonic acids, o-Toluidine, 1,2,4-Trimethylbenzene, Triorthocresyl phosphate, Tris(1-aziridinyl)phosphine oxide, Urethane, Vinylidene chloride, N-Vinyl-2-pyrrolidone, o-Xylene, Xylenes, Xylidine, 2,4-Xylidine, Zinc, Zinc oxide, Any other listed substances</u></b></p>

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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Biological Products (SIC 2836)</u>	<u>Arsenic, Benzene, <b>beta-Propiolactone, 3-Chlorophenol, Cycloheximide</b>, EDC, Lead, 1,1,1-TCA</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Medicinals &amp; Botanicals (SIC 2833)</u>	<u>Acetonitrile, Acrolein, Acrylonitrile, Ammonia, Arsenic, <b>Arsenic trioxide</b>, Benzene, <b>Benzoyl peroxide, Benzyl alcohol, Bis(2-chloroethyl) ether, n-Butyl alcohol, n-Butyronitrile</b>, Carbon tetrachloride, Chlorine, Chloroprene, <b>Coal tar, Cobalt chloride (hexahydrate), Cobalt octoate, delta-9-THC, Diphenylhydantoin</b>, EDC, Formaldehyde, <b>Glutaraldehyde, Hexachlorophene, Hexafluoroacetone, Hydrochlorothiazide</b>, Hydrogen chloride, <b>Iodine</b>, Lead, <b>Magnesium oxide, Malononitrile, 2-Mercaptobenzothiazole</b>, Mercury, <b>Methyl acrylate</b>, Methyl bromide, Methyl methacrylate, <b>2-Methylaziridine</b>, Methylene chloride, <b>Oxybenzone, PAHs and PAH-related compounds, p-Phenetidine</b>, Phenol, <b>Propylene glycol dinitrate, Ribavirin, Sodium chlorite, Sodium fluoride</b>, Styrene and copolymers, <b>Succinic anhydride, Sulfamethazine, Tamoxifen citrate, tert-Butyl alcohol, p-tert-Butyl toluene, Thioglycolic acid and salts</b>, Toluene, <b>o-Toluidine, Trientine hydrochloride</b>, Vinylidene chloride, <b>p-Xylene</b></u>

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Blender, Drying Ovens, Formulator, Other Process Reactors</u>	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Solvents - see Solvent Use, Appendix C-I</u>	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Sterilizers - see Sterilizers, Appendix C-I</u>	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Tanks - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-

Industry/Emitting Process level 1	Industry/Emitting Process level 2	Industry/Emitting Process level 3	Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)  Chemicals newly added to Appendix C are shown in <u>underline bold</u> text
Chemical Manufacturing (SIC 28xx)	Dyes Manufacturing (SIC 2865)	-	<p><u>Acetoacetanilide, Acetophenone, Acrylamide, Allyl bromide, alpha-Naphthalene sulfonic acid, Aluminum phosphide, 4-Aminobiphenyl, 2-Amino-4-nitrophenol, 2-Amino-5-nitrophenol, Ammonium nitrate, Aniline, Aniline hydrochloride, o-Anisidine, Anthracene oil or paste, Anthranilic acid, Anthraquinone, Benzaldehyde, Benzene, Benzenethiol, Benzidine, Benzidine and its salts, Benzoyl chloride, Benzyl chloride, beta-Naphthalene sulfonic acid, beta-Naphthol, beta-Picoline, Bis(2-chloro-1-methylethyl) ether, Bromine, 2-Bromopropane, n-Butyl alcohol, Carbazole, Catechol, Chloroacetic acid, p-Chloroaniline, Chlorobenzenes, Chloroform, 2-Chloronaphthalene, 1-Chloro-2-nitrobenzene, 1-Chloro-4-nitrobenzene, 3-Chloronitrobenzene, p-Chloro-o-toluidine hydrochloride, p-Chloro-o-toluidine, 2-Chlorophenol, 4-Chlorophenol, p-Chlorotoluene, Chromium hexavalent, m-Cresidine, p-Cresidine, Cresols, Cyanide compounds (inorganic), 2,4-Diaminoanisole, 1,2-Diamino-4-nitrobenzene, 1,4-Diamino-2-nitrobenzene, 2,4-Diaminotoluene, 2,5-Diaminotoluene, Dibenzofurans, Dichloroaniline (mixed isomers), 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 3,3'-Dichlorobenzidine dihydrochloride, 3,3'-Dichlorobenzidine, 1,2-Dichloroethylene (cis, trans), 2,6-Dichloro-p-phenylenediamine, Diethyl sulfate, 2,6-Diethylaniline, 3,3'-Dimethoxybenzidine, Dimethyl carbamoyl chloride, Dimethyl sulfate, Dimethylamine, 3,3'-Dimethylbenzidine dihydrochloride, 3,3'-Dimethylbenzidine, Dimethyl-p-toluidine, 2,4-Dinitrophenol, Dinitrotoluenes (mixed isomers), Dioxane, 1,4-Dioxane, Diphenyl thiourea, Diphenylamine, 1,2-Diphenylhydrazine, Direct Black 38, Direct Blue 218, Direct Blue 6, Direct Brown 95, EDB, Epichlorohydrin, Ethyl chloride, N-Ethylaniline, o-Ethylaniline, Ethylene thiourea, Ethylenediamine, ETO, Formamide, Furfuryl alcohol, Glutaraldehyde, Glycol ethers and their acetates, Hexachlorocyclopentadiene, 2,4-Hexadienal, Hexamethylenetetramine, Hydrazine, Hydrochloric acid, Hydrogen fluoride, 4-Hydroxyazobenzene, Iodine, Lead acetate, Malononitrile, meta-Phenylenediamine, Methyl isopropyl ketone, Methyl phenyl carbinol, Methylamine, Methylene chloride, 4,4'-Methylenedianiline (and dichloride), 2-Methylimidazole, 4-Methylimidazole, 1-Methylnaphthalene, Methylnaphthalene (mixed), 2-Methylpyridine, Michler's ketone, Myclobutanil, 1,5-Naphthalenediamine, Nitric acid, p-Nitroaniline, o-Nitroanisole, Nitrobenzene, 1-Nitronaphthalene, 5-Nitro-o-toluidine, 4-Nitrophenol, 2-Nitropropane, N-Nitrosodiethylamine, p-Nitrosodiphenylamine, Nitrotoluenes, N,N-Dimethylaniline, Oleum, PAHs and PAH-related compounds, PCBTF, Perchloromethyl mercaptan, p-Phenetidine, Phenol, Phenylhydrazine and its salts, Phosgene, Phosphoric acid, Phosphorus oxychloride, Phosphorus pentachloride, Phosphorus trichloride, Phthalic acid, Phthalic anhydride, Phthalimide, Phthalonitrile, POM, Pyridine, Quinoline, Quinone, sec-Butyl alcohol, Sodium dichromate, Succinic anhydride, Sulfuric acid, Sulfuryl fluoride, TCE, Tetrachlorophthalic anhydride, Thioacetamide, Thionyl chloride, Thiourea, 4-t-Octylphenol, m-Toluidine, o-Toluidine, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Trimellitic anhydride, 2,4,5-Trimethylaniline and its strong acid salts, 2,4,6-Trimethylaniline, 1,2,3-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Vinyl chloride, Vinylidene chloride, m-Xylene, o-Xylene, Xylidine, 2,4-Xylidine, 2,5-Xylidine</u></p>

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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Elastomer &amp; Surfactant Manufacturing</u>	-	<b><u>Chloroacetic acid, p-Cresol, Cyclosiloxanes, Diethylene glycol, Epichlorohydrin, Hexachlorobutadiene, Hexafluoropropylene, Isocyanates, 1,5-Naphthalenediamine, N,N'-Diethylthiourea, Nonylphenol ethoxylates, o-Phenylenediamine and its salts, Phosphorus pentoxide, Propylene oxide, Succinic anhydride, Toluene diisocyanates</u></b>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Ethers Manufacturing (SIC 2869)</u>	-	<u>Dimethyl sulfate, Furfuryl alcohol, Isopropyl glycidyl ether, 2-Methylaziridine, Nitrobenzene, Propylene oxide</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Ethylene dichloride Production</u>	<u>Any/all operations, especially Oxychlorination, Air &amp; Oxygen Process, Vents, Storage</u>	<u>Carbon tetrachloride, Chloroform, EDC</u>

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Explosives (SIC 2892)	-	Acetaldehyde, <b><u>Acetamide, Aluminum, Ammonia, Ammonium chloride, Ammonium nitrate, Aniline, Antimony, Arsenic, Carbon disulfide, Cresols, Cyclonite, Dibutyl phthalate, Di-n-pentyl phthalate, 1,4-Dioxane, Diphenylamine, N-Ethylaniline, Ethylene glycol, Ethylene glycol dinitrate, Formaldehyde, Hexachloroethane, Hydrazine, Lead, Mercury, Myclobutanil, Nitric acid, Nitrobenzene, Nitromethane, 1-Nitronaphthalene, 2-Nitropropane, Nitrotoluenes, Oleum, PAHs and PAH-related compounds, Phenanthrene, Phenol, Phosphorus, Potassium bromate, Propylene glycol dinitrate, Pyridine, Sulfur, Sulfur trioxide, Sulfuric acid, Toluene</u></b>
Chemical Manufacturing (SIC 28xx)	Fertilizers - see Chemical Manufacturing (Agricultural), Appendix C-II	-	-
Chemical Manufacturing (SIC 28xx)	Flame Retardants Manufacturing (SIC 2899)	-	<b><u>Antimony, Antimony trioxide, Bisphenol-related chemicals, Bromine, 2,3-Dibromo-1-propanol, Flame retardants, Fluorocarbons (Brominated), Hexachlorocyclopentadiene, Melamine, Methyl iodide, Phosphine, Succinic anhydride, 3,3',4,4'-Tetrachlorobiphenyl, Trimethyl phosphite, Vinyl bromide</u></b>

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Chemical Manufacturing (SIC 28xx)	Fluorocarbon Manufacturing	Any/all operations, especially Reactor Venting, Distillation, Vents, Storage	Carbon tetrachloride, Chloroform, <b><u>Fluorocarbons (Chlorinated), Perfluoro and polyfluoro compounds</u></b>



<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Industrial Inorganic Chemical Manufacturing (SIC 281x)	Miscellaneous (SIC 2819)	Acetaldehyde, Acrolein, Acrylonitrile, Allyl chloride, Ammonia, Arsenic, Benzene, Benzidine, <b><u>Benzidine and its salts</u></b> , Benzyl chloride, <b><u>Beryllium sulfate</u></b> , <b><u>Bromine</u></b> , 1,3-Butadiene, Cadmium, <b><u>Calcium oxide</u></b> , Carbon tetrachloride, CFC-113, Chlorine, Chlorobenzene, Chloroform, <b><u>3-Chlorophenol</u></b> , Chromium, <b><u>Chromium (III) Sulfate</u></b> , Copper, 1,4-Dichlorobenzene, <b><u>Dimethylamine</u></b> , <b><u>1,1-Dimethylhydrazine</u></b> , <b><u>1,4-Dioxane</u></b> , EDB, EDC, Epichlorohydrin, ETO, Formaldehyde, Gasoline vapors, Hexachlorobenzene, Hexachloropentadiene, <b><u>Hydrochloric acid</u></b> , Hydrogen chloride, Hydrogen sulfide, <b><u>Isocyanates</u></b> , Lead, Maleic anhydride, Manganese, Mercury, Methyl isocyanate, Methyl methacrylate, Methylene chloride, Mineral fibers (asbestos and related), Naphthalene, Nickel, <b><u>p-Nitroaniline</u></b> , Nitrobenzene, Nitrosomorpholine, <b><u>N,N-Dimethylacetamide</u></b> , <b><u>PAHs and PAH-related compounds</u></b> , PCBs, <b><u>Pentaborane</u></b> , Perchloroethylene, Phenol, Phosgene, Phosphorus, Phthalic anhydride, Propylene oxide, Radionuclides, <b><u>Selenium hexafluoride</u></b> , <b><u>Sodium fluoride</u></b> , Styrene and copolymers, 1,1,1-TCA, TCE, <b><u>1,1,1,2-Tetrachloroethane</u></b> , Toluene, Toluene diisocyanates, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc, Zinc oxide

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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Industrial Inorganic Chemical Manufacturing (SIC 281x)</u>	<u>Alkalies &amp; Chlorine (SIC 2812)</u>	Ammonia, Arsenic, Benzene, 1,3-Butadiene, Carbon tetrachloride, Chlorine, Chlorobenzene, <b><u>3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone</u></b> , Chloroform, Formaldehyde, Hydrogen chloride, Mercury, Mineral fibers (asbestos and related), Phosgene, TCE, <b><u>Tetrachlorobenzene (mixed isomers)</u></b> , <b><u>1,2,3,4-Tetrachlorobenzene</u></b> , <b><u>1,2,4,5-Tetrachlorobenzene</u></b> , <b><u>1,1,1,2-Tetrachloroethane</u></b> , Toluene, Vinyl chloride, Vinylidene chloride
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Industrial Inorganic Chemical Manufacturing (SIC 281x)</u>	<u>Industrial Gases (SIC 2813)</u>	Arsenic, Beryllium, Carbon tetrachloride, ETO, Hydrogen chloride, Mercury, <b><u>Selenium hexafluoride</u></b>

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Chemical Manufacturing (SIC 28xx)	Industrial Inorganic Chemical Manufacturing (SIC 281x)	Pigments, Inorganic (SIC 2816)	<p><b><u>Acetoacetanilide, Aluminum phosphide, Ammonia, Anthraquinone, Antimony trioxide, Antimony trisulfide, Arsenic, Arsenic pentoxide, Barium chromate, beta-Naphthol, n-Butyl alcohol, Cadmium, Cadmium chloride, Calcium chromate, Chloroacetic acid, p-Chloroaniline, Chloroform, Chromium, Chromium hexavalent, Chromium (III) Sulfate, Cobalt octoate, Copper, m-Cresidine, p-Cresidine, 2,4-Diaminoaniline, 3,3'-Dichlorobenzidine dihydrochloride, 1,4-Dichloro-2-nitrobenzene, 2,4-Dichlorophenol, Dimethyl sulfate, 1,4-Dioxane, Hydrazine, Hydrogen chloride, Iron oxide, Lead, Lead acetate, Molybdenum trioxide, p-Nitroaniline, Nitrotoluenes, Phenyl ether-biphenyl mixture (vapor), sec-Butyl alcohol, Sodium dichromate, Strontium chromate, Tin oxide, Titanium dioxide, Titanium tetrachloride, o-Toluidine, Zinc, Zinc oxide</u></b></p>
Chemical Manufacturing (SIC 28xx)	Inks (SIC 2893)	-	<p><b><u>Barium sulfate, Chromium hexavalent, Epichlorohydrin, Lead acetate, Lead chromate, Octylphenol, PCBTF, t-Butyl acetate</u></b></p>

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<p><u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u></p> <p>Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text</p>
Chemical Manufacturing (SIC 28xx)	Inks (SIC 2893)	Miscellaneous	<p><b><u>Acrylic acid, n-Butyl alcohol, Catechol, Chromium (III) Sulfate, Dimethoxane, Dioxane, Ethylene, Ethylene glycol, Isophorone, Isopropyl alcohol, PCBTf, sec-Butyl alcohol, t-Butyl acetate, Toluene, Trimethylolpropane triacrylate, Tri-n-butyl phosphate, Vanadium pentoxide, N-Vinyl-2-pyrrolidone</u></b></p>
Chemical Manufacturing (SIC 28xx)	Inks (SIC 2893)	Printing (SIC 2893)	<p><b><u>Aluminum, 1-Amino-2,4-dibromoanthraquinone, Ammonia, Aniline hydrochloride, Arsenic, Barium, Barium sulfate, Benzene, Benzophenone, Bisphenol-related chemicals, Cadmium, Cobalt, Cobalt octoate, Copper, 3,3'-Dichlorobenzidine, Formaldehyde, Glycol ethers and their acetates, Isocyanates, Isopropyl alcohol, Lead, Methyl ethyl ketone, MIBK, PCBTf, Perchloroethylene, Phthalates, n-Propyl alcohol, Silica (crystalline, respirable), Sulfuric acid, TCE, Titanium dioxide, Toluene, Trimellitic anhydride, Vinyl chloride, p-Xylene, Xylenes, Zinc, Zinc oxide</u></b></p>

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Chemical Manufacturing (SIC 28xx)	Metal Chelating Agent Manufacturing, Corrosion Inhibitor, Metal Treatment Chemicals	-	<p><b><u>Calcium chromate, Chlorinated diphenyl oxide, Chromium hexavalent, Cupferron, Decaborane, Diethylenetriamine, Dimethyl glutarate, Ethylenediamine, Formaldehyde, gamma-Butyrolactone, Hexahydrophthalic anhydride, Hexamethylenetetramine, Hydrazine, Hydrogen sulfide, Hydroquinone, 2-Mercaptobenzothiazole, 4,4'-Methylenedianiline (and dichloride), Molybdenum trioxide, 1-Nitronaphthalene, N,N'-Diethylthiourea, Pentaborane, Phosphoric acid, Propargyl alcohol, Quinoline, Sodium dichromate, Tetramethylethylenediamine, Thiourea</u></b></p>
Chemical Manufacturing (SIC 28xx)	Methionide/Methionine Analogs Production (animal/poultry feed supplement)	-	<p><b><u>Acrolein, Magnesium oxide</u></b></p>
Chemical Manufacturing (SIC 28xx)	Methyl Chloroform Production	From: hydrochlorinated vent condenser, steam stripper vent condenser	<p><u>Ethylene dichloride</u></p>
Chemical Manufacturing (SIC 28xx)	Military Chemical Production	-	<p><b><u>Carbonyl fluoride, Chloroform, Cyanogen chloride, EDC, Isocyanates, Perchloromethyl mercaptan, Phosgene, Phosphorus oxychloride, t-Butyl acetate, Thionyl chloride, Toluene</u></b></p>

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Monomers (SIC 282x, 286x)</u>	<u>Miscellaneous</u>	Acetaldehyde, Acrylonitrile, Ammonia, Benzene, <b>Biphenyl</b> , <b>Bromonaphthalene</b> , 1,3-Butadiene, <b>n-Butyl alcohol</b> , Carbon tetrachloride, Chlorine, <b>Chloromethyl methyl ether</b> , <b>4-Chloro-o-phenylenediamine</b> , Dioxane, EDB, EDC, Epichlorohydrin, Ethyl chloride, ETO, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Hydrochloric acid, <b>Hydroquinone</b> , Isocyanates, Maleic anhydride, Methyl bromide, <b>Methyl carbamate</b> , Methyl methacrylate, Methylene chloride, Naphthalene, Nitrobenzene, <b>PAHs and PAH-related compounds</b> , PCBs, Perchloroethylene, Phenol, Phthalic anhydride, Propylene, Propylene oxide, Sodium hydroxide, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene, Trichlorophenol, Urethane, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Monomers (SIC 282x, 286x)</u>	<u>Vinyl Chloride</u>	<u>EDC, Mercuric chloride, Vinyl chloride</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Nuclear Fuel Fabrication</u>	-	<u>Chlorine trifluoride, Hydrazine, MIBK, Radionuclides, Uranium and compounds</u>

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Organic Chemical Manufacturing (SIC 286x)	-	Acrylamide, Acrylonitrile, <b><u>Allyl isothiocyanate, Allyl isovalerate, Arsine, Benzidine and its salts, Benzotrichloride, Benzyl chloride, beta-Propiolactone, Bis(2-chloroethyl) ether, Boron trichloride, Boron trifluoride complexes, Bromine, Bromine pentafluoride, Bromobenzene, Bromoform, Carbon tetrachloride, Carbonyl fluoride, Chloramine, Chloroacetic acid, 2-Chloroacetophenone, Chlorobenzene, Chloroform, 2-Chlorophenol, Cobalt, Crotonaldehyde, Cyclohexanol, Dibromochloropropane, Dibutyl phosphate, Dibutyl phthalate, Dichloroacetic acid, 1,3-Dichloropropene, Dimethyl carbonate, 1,4-Dioxane, Dioxins, 1,3-Dioxolane, Diphenyl thiourea, EDB, EDC, Ethyl chloride, Ethyl mercaptan, Ethylidene dichloride, Formaldehyde, Formamide, Glycol ethers and their acetates, Hexachlorocyclopentadiene, Hexachloroethane, 2,4-Hexadienal, Hexamethylphosphoramide, Hydrazine, Hydrogen cyanide, Hydrogen sulfide, Iodine, Iron pentacarbonyl, Ketene, Lead, Malononitrile, Melamine, Mercury, Methyl acrylate, Methyl ethyl ketone, Methyl fluorosulfonate, Methyl hydrazine, Methyl methacrylate, 2-Methylaziridine, Methylene bis(4-cyclohexylisocyanate), Methylene chloride, 2-Methylacetonitrile, Nickel, Nickel compounds, Nitric acid, p-Nitroaniline, Nitroxylenes, Pentachloronaphthalene, 2,3-Pentanedione, 1-Pentanethiol, Perchloroethylene, Perchloryl fluoride, Phenol, Phosgene, Phosphine, Phosphoric acid, Phosphorus pentachloride, Phosphorus pentoxide, Polychlorinated dibenzofurans, Propionaldehyde, Pyridine, Quinoline, Selenium, Sodium azide, Styrene oxide, Sulfuryl fluoride, 1,1,2-TCA, tert-Butyl chromate(VI), 3,3',4,4'-Tetrachlorobiphenyl, 1,1,1,2-Tetrachloroethane, Thionyl chloride, Thiourea, Toluene, m-Toluidine, o-Toluidine, 2,4,6-Trichloroaniline, Triethylphosphine, Vanadium pentoxide, Vinyl bromide, Vinyl cyclohexene dioxide, Vinylidene chloride, Vinylidene chloride-vinyl chloride copolymers, m-Xylene, Zinc</u></b>

Industry/Emitting Process level 1	Industry/Emitting Process level 2	Industry/Emitting Process level 3	Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Organic Chemical Manufacturing (SIC 286x)	Cyclic Crudes & Intermediates (SIC 2865)	<p><b><u>Acetal</u></b>, Acetaldehyde, <b><u>Acetoacetanilide</u></b>, Acrolein, <b><u>Acrylic acid</u></b>, Acrylonitrile, <b><u>Allyl bromide</u></b>, <b><u>2-Aminoanthraquinone</u></b>, <b><u>4-Aminobiphenyl</u></b>, <b><u>2-Amino-4-chlorophenol</u></b>, <b><u>4-Amino-2-nitrophenol</u></b>, Ammonia, Arsenic, Benzene, Benzidine, <b><u>Benzidine and its salts</u></b>, <b><u>Benzotrichloride</u></b>, Benzyl chloride, <b><u>Biphenyl</u></b>, <b><u>Bis(2-ethylhexyl) adipate</u></b>, <b><u>Bromine</u></b>, <b><u>1-Bromo-3-chloropropane</u></b>, <b><u>Bromonaphthalene</u></b>, 1,3-Butadiene, <b><u>n-Butyl alcohol</u></b>, <b><u>Carbazole</u></b>, <b><u>Carbon disulfide</u></b>, Carbon tetrachloride, <b><u>Chloramine</u></b>, Chlorine, <b><u>Chloroacetonitrile</u></b>, Chlorobenzene, Chloroform, <b><u>Chloromethyl methyl ether</u></b>, <b><u>1-Chloro-2-nitrobenzene</u></b>, <b><u>4-Chloro-o-phenylenediamine</u></b>, <b><u>p-Chlorotoluene</u></b>, Chromium, <b><u>Chromium hexavalent</u></b>, <b><u>Chromium trioxide</u></b>, <b><u>Chrysene</u></b>, <b><u>Cobalt compounds</u></b>, <b><u>Cobalt sulfide</u></b>, <b><u>p-Cresidine</u></b>, Cresol, <b><u>Cupferron</u></b>, <b><u>Cyclododecane</u></b>, <b><u>Cyclohexane</u></b>, <b><u>Cyclooctadienes</u></b>, <b><u>Diazomethane</u></b>, Dibenzofurans, <b><u>1,2-Dichlorobenzene</u></b>, 1,4-Dichlorobenzene, 3,3'-Dichlorobenzidine, <b><u>2,5-Dichlorophenol</u></b>, <b><u>Diethanolamine</u></b>, <b><u>Diglycidyl ether</u></b>, <b><u>Dimethyl disulfide</u></b>, Dimethyl sulfate, <b><u>1,1-Dimethylhydrazine</u></b>, <b><u>Dinitrotoluenes (mixed isomers)</u></b>, 1,4-Dioxane, EDC, <b><u>ETO</u></b>, Formaldehyde, Gasoline vapors, <b><u>Heptachlor</u></b>, Hexachlorobenzene, Hydrazine, <b><u>Hydrochloric acid</u></b>, Hydrogen chloride, Hydrogen sulfide, <b><u>Iodine</u></b>, <b><u>Isocyanates</u></b>, Maleic anhydride, <b><u>Methanol</u></b>, Methyl bromide, <b><u>Methyl iodide</u></b>, Methyl isocyanate, <b><u>Methyl triflate</u></b>, Methylene chloride, <b><u>2-Methylpyridine</u></b>, MIBK, <b><u>Michler's ketone</u></b>, <b><u>mono-Nitroaniline</u></b>, Naphthalene, <b><u>5-Nitroacenaphthene</u></b>, Nitrobenzene, <b><u>3-Nitrofluoranthene</u></b>, <b><u>1-Nitropyrene</u></b>, Nitrosomorpholine, <b><u>N-Nitroso-N-methylurea</u></b>, PAHs and PAH-related compounds, <b><u>Pentachloronitrobenzene</u></b>, Pentachlorophenol (Chlorophenols), Phenol, Phosgene, <b><u>Phosphorus trichloride</u></b>, Phthalic anhydride, <b><u>Phthalonitrile</u></b>, POM, <b><u>sec-Butyl alcohol</u></b>, <b><u>Sodium dichromate</u></b>, Styrene and copolymers, <b><u>Sulfur trioxide</u></b>, <b><u>1,1,2-TCA</u></b>, TCE, <b><u>Terephthalic acid</u></b>, <b><u>Tetrachlorobenzene (mixed isomers)</u></b>, <b><u>1,2,3,4-Tetrachlorobenzene</u></b>, <b><u>1,2,4,5-Tetrachlorobenzene</u></b>, Toluene, Toluene diisocyanates, <b><u>1,3,5-Trimethylbenzene</u></b>, Vinyl chloride, <b><u>4-Vinylcyclohexene</u></b>, Xylenes</p>



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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Organic Chemical Manufacturing (SIC 286x)</u>	<u>Gum &amp; Wood Chemicals (SIC 2861)</u>	Arsenic, <b><u>Arsenic trioxide</u></b> , Benzene, Benzo[a]pyrene, <b><u>n-Butyl alcohol</u></b> , <b><u>Carbon tetrachloride</u></b> , Chromium, <b><u>1,2-Dichloropropane</u></b> , <b><u>ETO</u></b> , Formaldehyde, <b><u>Glycol ethers and their acetates</u></b> , <b><u>Isophorone</u></b> , <b><u>MIBK</u></b> , Naphthalene, <b><u>N,N-Dimethylacetamide</u></b> , PAHs and PAH-related compounds, POM, <b><u>n-Propyl alcohol</u></b> , Toluene diisocyanates, <b><u>Tri-n-butyl phosphate</u></b>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Organic Chemical Manufacturing (SIC 286x)</u>	<u>Gum &amp; Wood Chemicals, Wood Chemical Manufacturing (SIC 2861)</u>	<b><u>Arsenic</u></b> , <b><u>n-Butyl alcohol</u></b> , <b><u>Carbon tetrachloride</u></b> , <b><u>Creosotes</u></b> , Cresols, Cresylic Acid, <b><u>2,4-Dichlorophenol</u></b> , <b><u>ETO</u></b> , <b><u>Mercuric chloride</u></b> , <b><u>Pentachlorophenol</u></b> , Phenol, <b><u>2,3,4,6-Tetrachlorophenol</u></b> , Xylenes

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Paints & Allied Products (SIC 285x)	-	Acetaldehyde, <b>Acetamide</b> , <b>Acrylic acid</b> , <b>Allyl methacrylate</b> , <b>Aluminum oxide</b> , Ammonia, Arsenic, <b>Arsenic pentoxide</b> , <b>Barium</b> , <b>Barium sulfate</b> , Benzene, <b>Benzofuran</b> , <b>Benzonitrile</b> , <b>Bis(2-chloroethyl) ether</b> , <b>Boron oxide</b> , Butadiene, <b>n-Butyl glycidyl ether</b> , <b>Carbon disulfide</b> , Carbon tetrachloride, Chloroform, <b>Chloromethoxy propyl mercuric acetamide</b> , Chlorophenols, Chromium, <b>Chromium (III) Sulfate</b> , <b>Cobalt</b> , <b>Cobalt compounds</b> , Copper, Cresol, <b>Cyclosiloxanes</b> , <b>D6</b> , <b>Dibutyl phosphate</b> , <b>1,3-Dichloro-2-propanol</b> , <b>Diethylenetriamine</b> , <b>Diglycidyl ether</b> , <b>Dimethoxane</b> , <b>Dimethyl carbonate</b> , 1,4-Dioxane, <b>Diuron</b> , <b>EDC</b> , Epichlorohydrin, <b>Epoxy resins</b> , <b>Ethyl acetate</b> , <b>Ethyl acrylate</b> , <b>Ethyl benzene</b> , <b>Ethyl methacrylate</b> , <b>Ethylene</b> , <b>Ethylene glycol</b> , <b>2-Ethylhexyl acrylate</b> , Formaldehyde, <b>gamma-Butyrolactone</b> , <b>Glutaraldehyde</b> , Glycol ethers and their acetates, <b>Hexane</b> , <b>Hydroquinone</b> , <b>Isobutyl acrylate</b> , <b>Isobutyl alcohol</b> , <b>Isocyanates</b> , <b>Isophorone</b> , <b>Isoprene</b> , <b>Isopropyl alcohol</b> , <b>Lead</b> , <b>Lead acetate</b> , <b>Manganese</b> , <b>Mercury</b> , <b>Methacrylic acid</b> , <b>Methyl ethyl ketone</b> , <b>Methyl methacrylate</b> , <b>Methyl phenyl carbinol</b> , <b>2-Methylaziridine</b> , <b>Methylene bis(4-cyclohexylisocyanate)</b> , Methylene chloride, <b>Methyl-n-butyl ketone</b> , <b>MIBK</b> , <b>Mica</b> , Mineral fibers (asbestos and related), <b>Naphtha (coal tar)</b> , Naphthalene, Nickel, <b>Nitilotriacetic acid</b> , Nitrobenzene, <b>2-Nitropropane</b> , <b>Nonylphenol ethoxylates</b> , <b>PAHs and PAH-related compounds</b> , <b>PCBTf</b> , Perchloroethylene, <b>Perfluoro and polyfluoro compounds</b> , <b>PFOA</b> , Phenol, <b>2-Phenylphenol</b> , <b>Phthalates</b> , Phthalic anhydride, <b>n-Propyl alcohol</b> , <b>Quinoline</b> , <b>Silica (crystalline, respirable)</b> , <b>Sodium diamyl sulfosuccinate</b> , <b>Sodium fluoride</b> , Styrene and copolymers, <b>Styrene oxide</b> , 1,1,1-TCA, TCE, <b>Terephthalic acid</b> , <b>tert-Butyl alcohol</b> , <b>3,3',4,4'-Tetrachlorobiphenyl</b> , <b>1,1,1,2-Tetrachloroethane</b> , Toluene, Toluene diisocyanates, <b>Toluene sulfonic acids</b> , <b>Trichlorofluoromethane</b> , <b>Triethylamine</b> , <b>Trimethyl phosphate</b> , <b>1,2,4-Trimethylbenzene</b> , <b>Tri-n-butyl phosphate</b> , <b>Triorthocresyl phosphate</b> , <b>Vinyl acetate</b> , <b>Vinyl toluene</b> , <b>Wollastonite</b> , <b>Xylenes</b> , Zinc, Zinc oxide

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Chemical Manufacturing (SIC 28xx)	Paints & Allied Products	Pigment	<p><b><u>Acetoacetanilide, Acetophenone, Aluminum phosphide, o-Anisidine, Anthraquinone, Antimony trioxide, Antimony trisulfide, Barium chromate, Barium sulfate, Benzyl chloride, beta-Naphthol, n-Butyl alcohol, Cadmium, Calcium chromate, p-Chloroaniline, Chromium hexavalent, Chromium trioxide, Cobalt compounds, m-Cresidine, 3,3'-Dichlorobenzidine dihydrochloride, 3,3'-Dichlorobenzidine, Ethylidene dichloride, Hydrochloric acid, Iodine, Iron oxide, Lead chromate, 2-Methylimidazole, 4-Methylimidazole, Michler's ketone, Molybdenum trioxide, 5-Nitro-o-toluidine, Nitrotoluenes, o-Phenylenediamine and its salts, Phosphoric acid, Phthalic anhydride, Phthalonitrile, sec-Butyl alcohol, Selenium, Sodium cyanide, Sodium dichromate, Strontium chromate, Sulfuric acid, tert-Butyl alcohol, Tin oxide, Toluene, o-Toluidine, Zinc oxide</u></b></p>

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Perfume (SIC 2844)	-	<u>Acetal, Acetonitrile, Acetophenone, Acrolein, Allyl bromide, Anthranilic acid, Benzaldehyde, Benzyl chloride, beta-Myrcene, beta-Naphthol, Cresols, 1,2-Dichloroethylene (cis, trans), Dimethyl sulfate, Ethyl acetate, Ethyl chloride, Formic acid, Galaxolide, Glycol ethers and their acetates, Isobutyl alcohol, Isoprene, Methyl phenyl carbinol, Methylstyrene, Nitrobenzene, 1-Nitronaphthalene, 2,3-Pentanedione, Phosgene, Phthalates, Phthalic acid, n-Propyl alcohol, 5-tert-Butyl-2,4,6-trinitro-m-xylene, Toluene, 1,2,3-Trimethylbenzene, 1,2,4-Trimethylbenzene</u>

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Chemical Manufacturing (SIC 28xx)	Pesticides, Herbicides, Fungicides Manufacturing (SIC 2879)	-	<p><u>Acrolein, Aldicarb, Allyl bromide, Allyl chloride, Aniline, Arsenic, Arsenic pentoxide, Arsenic trioxide, Atrazine, Azoxystrobin, Bendiocarb, Benomyl, Bensulfide, Benzene, Benzenesulfonic acid, Benzenethiol, p-Benzquinone dioxime, Benzotrichloride, Benzoyl chloride, beta-Myrcene, beta-Naphthol, beta-Picoline, Bifenthrin, Biphenyl, Bis(tributyltin) oxide, Boron oxide, Bromacil, Bromacil lithium salt, Bromine, Bromonaphthalene, Bromoxynil octanoate, Cadmium chloride, Cadmium succinate, Cadusafos, Calcium arsenate, Captafol, Captan, Carbaryl, Carbofuran, Carbon disulfide, Carbon tetrachloride, Catechol, Chloral, Chlorinated diphenyl oxide, Chlorine, Chlorine dioxide, Chloroacetic acid, Chloroacetone, p-Chloroaniline, Chlorobenzene, Chlorobenzenes, Chlorobenzilate, Chloroform, Chloromethoxy propyl mercuric acetamide, p-Chloro-o-toluidine hydrochloride, p-Chloro-o-toluidine, Chlorophenols, Chloropicrin, 2-Chloropropionic acid, Chlorpyrifos, Chlorthal-dimethyl, Chromium hexavalent, Cresols, Crotonaldehyde, Cyanamide, Cyanide compounds (inorganic), Cycloate, Cyclohexanethiol, Cycloheximide, 2,4-D and salts/esters, Des-isopropyl atrazine, 2,4-Diaminotoluene, Diazinon, Diazoaminobenzene, Dibromochloromethane, Dibromochloropropane, 2,3-Dibromo-1-propanol, Dibutyl phthalate, Dichloroaniline (mixed isomers), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,4-Dichloro-2-butene, 1,4-Dichloro-2-nitrobenzene, 2,4-Dichlorophenol, 2,5-Dichlorophenol, 2,6-Dichloro-p-phenylenediamine, 1,2-Dichloropropane, 1,3-Dichloropropane, Dichlorvos, Diclofop methyl, Dicofof, Diethanolamine, 2,6-Diethylaniline, Dimethoate, Dimethyl carbamoyl chloride, Dimethyl disulfide, Dimethyl glutarate, Dimethyl hydrogen phosphite, Dimethyl sulfate, Dimethylamine, p-Dimethylaminoazobenzenediazo sodium sulfonate, Dimethylarsinic acid, Dimethyl-p-toluidine, 4,6-Dinitro-o-cresol (and salts), 2,4-Dinitrophenol, Di-n-propyl isocinchomeronate, 1,4-Dioxane, Dioxins, Diphenylamine, Diquat dibromide (and mixtures), Disodium cyanodithioimidocarbonate, Disulfiram, Diuron, 1-Dodecanethiol, EDB, Endosulfan, Endrin, 1,2-Epoxybutane, EPTC, Ethoprop, Ethyl mercaptan, Ethyl parathion, o-Ethylaniline, Ethylene, Ethylene thiourea, Ethylenediamine, ETO, Fenamiphos, Fenoxaprop ethyl, Fenoxycarb, Fenvalerate, Flame retardants, Fluazifop butyl, Fludioxonil, Fluorocarbons (Chlorinated), Fluvalinate, Formaldehyde, Formic acid, Fosetyl-al, Furan, Furfural, Glutaraldehyde, Glycol ethers and their acetates, Glyphosate, Hexachlorocyclohexanes, Hexachlorocyclopentadiene, Hexachloroethane, 2,4-Hexadienal, Hexahydrophthalic anhydride, Hydrazine, Hydrocyanic acid, Hydrogen peroxide (&gt;5%), Iodine, Iprodione, Isobutyl alcohol, Isobutyronitrile, Isocyanates, Isophorone, Kresoxim-methyl, Lead acetate, Lead arsenate, Lindane, Linuron, Malathion, 2-Mercaptobenzothiazole, Metam potassium, Metam sodium, Methamidophos, Methidathion, Methomyl, Methoxychlor, Methyl bromide, Methyl carbamate, Methyl isopropyl ketone, Methyl parathion, Methylamine, Methylarsonic acid, Methylene chloride, 2-Methylactonitrile, 2-Methylpyridine, Myclobutanil, Nabam, Naphthalene, Nitrpyrin, p-Nitroaniline, Nitrobenzene, 4-Nitrobiphenyl, 1-Nitronaphthalene, 4-Nitrophenol, 2-Nitropropane, N-Nitrosodimethylamine, Nonylphenol, Nonylphenol ethoxylates, Oryzalin, Oxadiazon, Oxydemeton methyl, Oxyfluorfen, Oxythioquinox, PAHs and PAH-related compounds, Paraformaldehyde, Paraquat, Parathion, PCBTF, Pendimethalin, Pentachloronitrobenzene, Pentachlorophenol, Peracetic acid, Perchloromethyl mercaptan, Permethrin, Phenol, o-Phenylenediamine and its salts, 2-Phenylphenol, Phorate, Phosgene, Phosmet, Phosphine, Phosphoric acid, Phosphorus, Phosphorus oxychloride, Phosphorus trichloride, Phthalimide, Polychlorinated dibenzofurans, Potassium dimethyldithiocarbamate, Potassium phosphite, Procymidone, 1-Propanethiol, Propargite, Propoxur, n-Propyl alcohol, n-Propyl bromide, Propylene oxide,</u></p>

Industry/Emitting Process level 1	Industry/Emitting Process level 2	Industry/Emitting Process level 3	Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
			<p><b><u>Propyzamide, Pymetrozine, Quinone, Resmethrin, Sedaxane, Silica (crystalline, respirable), Silver, Simazine, Sodium aluminum fluoride, Sodium azide, Sodium diamyl sulfosuccinate, Sodium dichromate, Sodium dimethyldithiocarbamate, Sodium fluoride, Sodium hydroxide, Sodium tetrathiocarbamate, Spirodiclofen, Succinic anhydride, Sulfur, Sulfur dioxide, Sulfur tetrafluoride, Sulfuric acid, Sulfuryl fluoride, 1,1,2-TCA, Terrazole, Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 2,3,4,6-Tetrachlorophenol, Tetraethylene glycol, Tetrahydrophthalic anhydride, Tetrakis(hydroxymethyl)phosphonium sulfate, Tetralin, Thiabendazole, Thioacetamide, Thionyl chloride, Thiophanate methyl, Thiram, 4-t-Octylphenol, o-Toluidine, Toxaphene, trans-1,4-Dichlorobutene, trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)-vinyl]-1,3,4-oxadiazole, Triadimefon, 2,4,6-Tribromophenol, Tribufos, 2,4,6-Trichloroaniline, 1,2,4-Trichlorobenzene, 2,4,5-Trichlorophenol sodium salt, 2,4,6-Trichlorophenol, Trifloxystrobin, Trifluralin, Trimethyl phosphate, Trimethyl phosphite, Tri-n-butyl phosphate, Triphenyl phosphite, Tris(1-aziridinyl)phosphine oxide, Tris(2-methyl-1-aziridinyl)phosphine oxide, Urethane, Vanadium pentoxide, Vinclozolin, 4-Vinylcyclohexene, Xylenes, Xylidine, 2,4-Xylidine, Zectran, Zinc, Zinc oxide, Zinc phosphide, Ziram</u></b></p>

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Photographic Chemicals Manufacturing</u>	-	<u>Aniline, Benzenesulfonic acid, Benzophenone, Carbazole, 1-Chloro-2-nitrobenzene, Chromium (III) Sulfate, 1,3-Dichloro-2-propanol, 1,1-Dimethylhydrazine, Ethyleneimine, Hydrazine, Hydroquinone, Iodine, Methylene chloride, 2-Methylimidazole, 4-Methylimidazole, Nitric acid, Nitrotoluenes, Succinic anhydride, Thioacetamide, m-Toluidine, Vanadium pentoxide, 2,4-Xylidine, Zinc oxide</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Pigment (metal containing) Manufacturing</u>	-	<u>Barium chromate, Benzonitrile, Cadmium, Cadmium chloride, Calcium chromate, Chromium, Chromium hexavalent, Chromium trioxide, Cobalt compounds, Copper, 3,3'-Dichlorobenzidine, Iron oxide, Lead, Lead acetate, Nickel, Sodium dichromate, Strontium chromate, Tin oxide, Zinc, Zinc oxide</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Pigment (metal containing) Manufacturing</u>	<u>Also see Chemical Manufacturing, Inks and Paints, Appendix C-II</u>	-

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	-	<p> <u>Acetamide, Acetonitrile, Acrolein, Acrylamide, <b>Acrylic acid</b>, Acrylonitrile, <b>Adipic acid</b>, <b>Allyl bromide</b>, <b>Aluminum diethyl phosphinate</b>, Ammonia, <b>Ammonium perfluorooctanate</b>, Arsenic, Barium, Benzene, Benzidine, <b>Benzidine and its salts</b>, Benzofuran, Benzophenone, Benzoyl peroxide, Bis(chloromethyl) ether, Bis(2-ethylhexyl) adipate, Cadmium, Carbon nanotubes, Carbon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chromium, <b>Chromium hexavalent</b>, Cobalt, Cresols, <b>Cyclododecane</b>, Cyclohexanol, 2,4-Diaminotoluene, Dibenzofurans, Dichloroaniline (mixed isomers), 1,2-Dichloropropane, Diethylene glycol dimethyl ether, Di(2-ethylhexyl) phthalate, Dimethyl formamide, Dinitrotoluenes (mixed isomers), 1,4-Dioxane, Dioxins, 1,3-Dioxolane, Disulfiram, 1-Dodecanethiol, EGDMA, Epoxy resins, Ethyl methacrylate, Ethylene, Ethylene glycol, 2-Ethylhexyl acrylate, Flame retardants, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Hexachlorobutadiene, Hexachlorocyclopentadiene, 2,4-Hexadienal, Hexafluoroacetone, Hydrazine, Hydrochloric acid, Hydrocyanic acid, Hydrogen fluoride, Hydrogen sulfide, Iodoform, Isobutyl acrylate, Isocyanates, Isophorone, Isopropyl alcohol, Lauroyl peroxide, Lead phosphate, Mercury, Methyl acrylate, Methyl methacrylate, Methylacrylonitrile, Methylene bis(4-cyclohexylisocyanate), Methylene chloride, 2-Methylimidazole, 2-Methyl lactonitrile, Methylstyrene, Mineral fibers (asbestos and related), Naphtha (coal tar), Nickel, N-Nitrosodimethylamine, p-Nitrosodiphenylamine, N,N-Dimethylaniline, PAHs and PAH-related compounds, Paraformaldehyde, PBBs, PCBTF, Perchloroethylene, Phenol, Phosgene, Phthalates, Phthalic anhydride, Polychlorinated dibenzofurans, POM, Propionaldehyde, Silicon carbide, fibrous, Silicon carbide whiskers, Sodium hydroxide, Styrene and copolymers, Succinic anhydride, Sulfuric acid, t-Butyl acetate, TCE, Terephthalic acid, Tetrachlorophthalic-anhydride, Tetrahydrofuran, Tetrahydrophthalic anhydride, Tetramethyl succinonitrile, Tetramethylethylenediamine, 4,4'-Thiobis(6-tert-butyl-m-cresol), Thioglycolic acid and salts, Thionyl chloride, Tin oxide, Titanium dioxide, Toluene, Toluene sulfonic acids, Trimellitic anhydride, Trimethyl phosphate, Trimethyl phosphite, Tri-n-butyl phosphate, Triorthocresyl phosphate, Triphenyl phosphate, Triphenyl phosphite, Vinyl acetate, Vinyl bromide, Vinyl chloride, Vinyl fluoride, Vinylidene chloride, Zinc</u> </p>



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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<p>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</p> <p>Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text</p>
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Cellulosic Man-Made Fibers (SIC 2823)	Ammonia, Arsenic, Benzene, <b><u>Caprolactam</u></b> , Chlorine, <b><u>Dimethyl Adipate</u></b> , EDC, Hydrogen chloride, <b><u>N,N-Dimethylacetamide</u></b> , <b><u>Terephthalic acid</u></b>
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Manmade Organic Fibers, noncellulosic (SIC 2824)	<b><u>Acetonitrile</u></b> , Acrylonitrile, <b><u>Adipic acid</u></b> , <b><u>Allyl chloride</u></b> , <b><u>Barium sulfate</u></b> , <b><u>Caprolactam</u></b> , Copper, <b><u>Cyclododecane</u></b> , <b><u>Cyclohexanone</u></b> , <b><u>Dichloroacetic acid</u></b> , <b><u>Dimethyl formamide</u></b> , Dimethyl sulfate, EDC, <b><u>Malononitrile</u></b> , <b><u>N,N-Dimethylacetamide</u></b> , <b><u>Phenyl ether-biphenyl mixture (vapor)</u></b> , <b><u>Sodium hydroxide</u></b> , <b><u>Terephthalic acid</u></b> , <b><u>Toluene</u></b> , Toluene diisocyanates, Vinylidene chloride, <b><u>p-Xylene</u></b>

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers (SIC 2821)	Acetaldehyde, Acrolein, <b><u>Acrylic acid</u></b> , Acrylonitrile, Allyl chloride, Ammonia, Arsenic, Benzene, <b><u>Benzonitrile</u></b> , <b><u>Bis(2,3-epoxycyclopentyl) ether</u></b> , 1,3-Butadiene, Cadmium, <b><u>Caprolactam</u></b> , Carbon tetrachloride, <b><u>Chloral</u></b> , <b><u>Chlorinated diphenyl oxide</u></b> , Chlorine, Chloroethane, <b><u>Cobalt</u></b> , Cresol, <b><u>Cyclododecane</u></b> , <b><u>Cyclosiloxanes</u></b> , <b><u>2,4-Diaminotoluene</u></b> , <b><u>Dichloroaniline (mixed isomers)</u></b> , <b><u>3,3'-Dichlorobenzidine</u></b> , <b><u>2,6-Diethylaniline</u></b> , Diethylenetriamine, Diglycidyl ether, <b><u>Dimethyl methylphosphonate</u></b> , <b><u>Dimethyl terephthalate</u></b> , <b><u>4-Dimethylaminoazobenzene</u></b> , EDC, Epichlorohydrin, <b><u>Ethyl mercaptan</u></b> , <b><u>Ethyleneimine</u></b> , <b><u>2-Ethylhexyl acrylate</u></b> , ETO, <b><u>Ferrocene</u></b> , Formaldehyde, Gasoline vapors, <b><u>Glycidyl methacrylate</u></b> , <b><u>Hexahydrophthalic anhydride</u></b> , Hydrogen chloride, <b><u>Hydrogen cyanide</u></b> , Hydrogen sulfide, <b><u>Isobutyl methacrylate</u></b> , <b><u>Isocyanates</u></b> , <b><u>Isoprene</u></b> , Lanthanum, Lead, Maleic anhydride, Mercury, <b><u>4-Methoxyphenol</u></b> , <b><u>Methyl ethyl ketone peroxide</u></b> , Methyl methacrylate, <b><u>Methylacrylonitrile</u></b> , <b><u>Methylene bis(4-cyclohexylisocyanate)</u></b> , Methylene chloride, <b><u>Methylstyrene</u></b> , Mineral fibers (asbestos and related), <b><u>1,5-Naphthalenediamine</u></b> , Nitrobenzene, <b><u>2-Nitropropane</u></b> , <b><u>N-Nitrosodiethylamine</u></b> , <b><u>N,N-Dimethylacetamide</u></b> , PBBs, PCBs, <b><u>PCBTf</u></b> , Perchloroethylene, Phenol, Phosgene, <b><u>Propionaldehyde</u></b> , <b><u>Propylene</u></b> , Propylene oxide, <b><u>Sodium cyanide</u></b> , Styrene and copolymers, TCE, <b><u>Terephthalic acid</u></b> , <b><u>3,3',4,4'-Tetrachlorobiphenyl</u></b> , <b><u>Tetrahydrofuran</u></b> , <b><u>Thioacetamide</u></b> , <b><u>4-t-Octylphenol</u></b> , Toluene, Toluene diisocyanates, <b><u>Tricresyl phosphate</u></b> , <b><u>Trimellitic anhydride</u></b> , <b><u>1,3,5-Trimethylbenzene</u></b> , Vinyl chloride, <b><u>Vinyl chloride-vinyl acetate copolymers</u></b> , <b><u>Vinyl fluoride</u></b> , Vinylidene chloride, <b><u>Vinylidene chloride-vinyl chloride copolymers</u></b> , Xylenes, Zinc oxide

Industry/Emitting Process level 1	Industry/Emitting Process level 2	Industry/Emitting Process level 3	Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)  Chemicals newly added to Appendix C are shown in <u>underline bold</u> text
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Resin Manufacturing (SIC 2821)	<p><u>Acrolein</u>, <u>Acrylamide</u>, <u>Acrylonitrile</u>, <u>Allyl bromide</u>, <u>Allyl chloride</u>, <u>Aluminum diethyl phosphinate</u>, <u>Ammonia</u>, <u>Ammonium chloride</u>, <u>Ammonium sulfate</u>, <u>Barium sulfate</u>, <u>Benzene</u>, <u>Benzofuran</u>, <u>Benzonitrile</u>, <u>Benzoyl peroxide</u>, <u>Benzyl chloride</u>, <u>beta-Picoline</u>, <u>Biphenyl</u>, <u>Bis(chloromethyl) ether</u>, <u>Bis(2-chloro-1-methylethyl) ether</u>, <u>Bisphenol-related chemicals</u>, <u>Boron trifluoride complexes</u>, <u>Bromonaphthalene</u>, <u>n-Butyl alcohol</u>, <u>n-Butyl glycidyl ether</u>, <u>Carbon disulfide</u>, <u>Carbon nanotubes</u>, <u>Chlorendic acid</u>, <u>Chlorinated diphenyl oxide</u>, <u>Chloromethyl methyl ether</u>, <u>4-Chloro-o-phenylenediamine</u>, <u>Cresols</u>, <u>Crotonaldehyde</u>, <u>Cumene</u>, <u>Cyclohexanol</u>, <u>Cyclohexanone</u>, <u>Decahydronaphthalene</u>, <u>2,4-Diaminotoluene</u>, <u>Dibutyl phosphate</u>, <u>1,4-Dichlorobenzene</u>, <u>2,6-Dichloro-p-phenylenediamine</u>, <u>1,2-Dichloropropane</u>, <u>Diethanolamine</u>, <u>2,6-Diethylaniline</u>, <u>Diethylenetriamine</u>, <u>Di(2-ethylhexyl) phthalate</u>, <u>Diglycidyl ether</u>, <u>Dimethoxane</u>, <u>Dimethyl Adipate</u>, <u>Dimethyl glutarate</u>, <u>3,3'-Dimethylbenzidine</u>, <u>Dinitrosopentamethylenetetramine</u>, <u>Dioxins</u>, <u>1,2-Diphenylhydrazine</u>, <u>EDB</u>, <u>EDC</u>, <u>Epichlorohydrin</u>, <u>Epoxy resins</u>, <u>1,2-Epoxybutane</u>, <u>Ethyl acrylate</u>, <u>Ethyl benzene</u>, <u>Ethylene thiourea</u>, <u>Ethylenediamine</u>, <u>Ethyleneimine</u>, <u>Ferrocene</u>, <u>Flame retardants</u>, <u>Formaldehyde</u>, <u>Formic acid</u>, <u>Furan</u>, <u>Furfural</u>, <u>Furfuryl alcohol</u>, <u>Glycidyl methacrylate</u>, <u>Glycol ethers and their acetates</u>, <u>Glycolonitrile</u>, <u>Hexachlorocyclopentadiene</u>, <u>Hexahydrophthalic anhydride</u>, <u>Hexamethylenetetramine</u>, <u>Hexamethylphosphoramide</u>, <u>Hydroquinone</u>, <u>4-Hydroxyazobenzene</u>, <u>Isobutylene</u>, <u>Isocyanates</u>, <u>Isoprene</u>, <u>Isopropyl alcohol</u>, <u>Isopropyl glycidyl ether</u>, <u>Lanthanum</u>, <u>Lauroyl peroxide</u>, <u>Maleic anhydride</u>, <u>Melamine</u>, <u>Mercury</u>, <u>meta-Phenylenediamine</u>, <u>Methacrylic acid</u>, <u>Methyl chloride</u>, <u>Methyl ethyl ketone</u>, <u>Methyl ethyl ketone peroxide</u>, <u>Methyl methacrylate</u>, <u>4,4'-Methylenedianiline (and dichloride)</u>, <u>2-Methylimidazole</u>, <u>2-Methylacetonitrile</u>, <u>1-Methylnaphthalene</u>, <u>2-Methylnaphthalene</u>, <u>Methylnaphthalene (mixed)</u>, <u>2-Methylpyridine</u>, <u>MIBK</u>, <u>MOCA</u>, <u>Nadic methyl anhydride</u>, <u>N,N-Dimethylacetamide</u>, <u>N,N-Dimethylaniline</u>, <u>Octylphenol</u>, <u>PAHs and PAH-related compounds</u>, <u>Paraformaldehyde</u>, <u>Phenol</u>, <u>Phosgene</u>, <u>Phthalic anhydride</u>, <u>Polychlorinated dibenzofurans</u>, <u>Propionaldehyde</u>, <u>n-Propyl alcohol</u>, <u>n-Propyl bromide</u>, <u>n-Propyl carbamate</u>, <u>sec-Butyl alcohol</u>, <u>Shale oils</u>, <u>Sodium aluminum fluoride</u>, <u>Styrene and copolymers</u>, <u>Styrene oxide</u>, <u>Terephthalic acid</u>, <u>tert-Butyl alcohol</u>, <u>p-tert-Butyl toluene</u>, <u>Tetrahydrobenzaldehyde</u>, <u>Tetramethylethylenediamine</u>, <u>Thiourea</u>, <u>4-t-Octylphenol</u>, <u>Trimellitic anhydride</u>, <u>1,2,4-Trimethylbenzene</u>, <u>Trimethylolpropane triacrylate</u>, <u>Tri-n-butyl phosphate</u>, <u>Triorthocresyl phosphate</u>, <u>Triphenyl phosphite</u>, <u>1,2,3-Tris(chloromethoxy)propane</u>, <u>Vinyl acetate</u>, <u>Vinyl cyclohexene dioxide</u>, <u>Vinyl toluene</u>, <u>Vinylidene chloride</u>, <u>Xylenes</u></p>

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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials &amp; Synthetic Resins (SIC 282x)</u>	<u>Rubber Production &amp; Compounding, Gaseous, Aerosol, &amp; Particulate releases</u>	<b><u>Arsenic, Carbazole, Cyclosiloxanes, D5, Mica, Phenyl ether-biphenyl mixture (vapor)</u></b>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials &amp; Synthetic Resins (SIC 282x)</u>	<u>Rubber Production &amp; Compounding, Synthetic Monomers</u>	<u>Acrylonitrile, Bis(2,3-epoxycyclopentyl) ether, 1,3-Butadiene, Chloropyrene, Cyanogen chloride, Cyclohexane, Cyclohexanethiol, EDC, Epichlorohydrin, Ethyl acrylate, ETO, Ferrocene, N-Nitrosodiethylamine, N-Nitrosodimethylamine, N-Nitrosodi-n-butylamine, Propylene, Styrene and copolymers, Toluene sulfonic acids, Vanadium</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials &amp; Synthetic Resins (SIC 282x)</u>	<u>Rubber Production &amp; Compounding, Retardants</u>	<u>N-Nitrosodiphenylamine, Phthalic anhydride</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials &amp; Synthetic Resins (SIC 282x)</u>	<u>Rubber Production &amp; Compounding, Catalysts</u>	<b><u>n-Butyl glycidyl ether, Decaborane, Ferrocene, Magnesium oxide, Nickel</u></b>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials &amp; Synthetic Resins (SIC 282x)</u>	<u>Rubber Production &amp; Compounding, Solvents</u>	<b><u>Hexachloroethane, Naphtha (coal tar), 1,1,2-TCA, TCE, 1,1,2,2-Tetrachloroethane, Toluene</u></b>

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Rubber Production & Compounding, Miscellaneous	Acetaldehyde, Acrylonitrile, Allyl chloride, Ammonia, <b>Aniline</b> , <b>Barium sulfate</b> , Benzene, Benzidine, <b>Benzidine and its salts</b> , <b>Benzonitrile</b> , <b>p-Benzoquinone dioxime</b> , <b>beta-Naphthol</b> , <b>Bis(chloromethyl) ether</b> , <b>Bisphenol-related chemicals</b> , 1,3-Butadiene, <b>Carbon disulfide</b> , Carbon tetrachloride, <b>Catechol</b> , Chlorine, Chloroform, <b>1-Chloro-4-nitrobenzene</b> , Chloroprene, <b>Crotonaldehyde</b> , <b>Cyclohexane</b> , <b>Cyclohexanone</b> , 3,3'-Dichlorobenzidine, <b>1,2-Dichloroethylene (cis, trans)</b> , <b>1,2-Dichloropropane</b> , <b>Diethanolamine</b> , <b>2,6-Diethylaniline</b> , <b>Di(2-ethylhexyl) phthalate</b> , <b>Dimethylamine</b> , <b>2,6-Dimethyl-N-nitrosomorpholine</b> , <b>Dinitrosopentamethylenetetramine</b> , EDC, Epichlorohydrin, <b>Ethylene thiourea</b> , <b>Ethylenediamine</b> , <b>Hexachlorobenzene</b> , <b>Hydrochloric acid</b> , Hydrogen chloride, <b>Hydroquinone</b> , <b>Iodine</b> , <b>Isobutylene</b> , <b>Isoprene</b> , <b>Lanthanum</b> , <b>Lauroyl peroxide</b> , <b>Lead</b> , <b>Lead acetate</b> , Maleic anhydride, <b>Methyl chloride</b> , <b>2-Methylaziridine</b> , Methylene chloride, <b>4,4'-Methylenedianiline (and dichloride)</b> , <b>2-Methylimidazole</b> , <b>4-Methylimidazole</b> , <b>2-Methylpyridine</b> , <b>MOCA</b> , <b>Morpholine</b> , <b>Nitric acid</b> , <b>Nitrilotriacetic acid</b> , <b>Nitrobenzene</b> , <b>1-Nitronaphthalene</b> , <b>N-Nitrosodimethylamine</b> , <b>N-Nitrosodiphenylamine</b> , Nitrosomorpholine, <b>Nitrotoluenes</b> , <b>Pentachlorobenzenethiol</b> , Perchloroethylene, <b>Phenol</b> , <b>2-Phenylphenol</b> , <b>Phosphoric acid</b> , <b>Phosphorus trichloride</b> , <b>Propionaldehyde</b> , <b>Pyridine</b> , <b>Selenium</b> , <b>Silica (crystalline, respirable)</b> , <b>Sodium aluminum fluoride</b> , <b>Sodium dimethyldithiocarbamate</b> , Sodium hydroxide, Styrene and copolymers, <b>Sulfur</b> , <b>Sulfur tetrafluoride</b> , <b>1,1,2-TCA</b> , <b>Tetrafluoroethylene</b> , <b>Thioacetamide</b> , <b>4,4'-Thiobis(6-tert-butyl-m-cresol)</b> , <b>Titanium dioxide</b> , <b>4-t-Octylphenol</b> , Toluene, Toluene diisocyanates, <b>Tricresyl phosphate</b> , <b>1,3,5-Trimethylbenzene</b> , <b>Triorthocresyl phosphate</b> , <b>Triphenyl phosphite</b> , Vinylidene chloride, <b>Zinc</b> , <b>Zinc oxide</b>

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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials &amp; Synthetic Resins (SIC 282x)</u>	<u>Rubber Production &amp; Compounding -- Also see Chemical Manufacturing, Monomers, Appendix C-II</u>	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials &amp; Synthetic Resins (SIC 282x)</u>	<u>Synthetic Fibers</u>	<b><u>Aluminum oxide, Caprolactam, Ethylidene dichloride, Flame retardants, Hexamethylphosphoramide, Hydrogen sulfide, Malononitrile, meta-Phenylenediamine, N-Nitrosodimethylamine, Phenyl ether-biphenyl mixture (vapor), Styrene and copolymers, Terephthalic acid, Vinyl bromide</u></b>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Polish &amp; Wax Manufacturing (SIC 2842)</u>	-	<b><u>Chloroform, Cyclosiloxanes, D4, Decahydronaphthalene, 1,2-Dichlorobenzene, 4-Dimethylaminoazobenzene, Dioxane, EDB, Ethyl methacrylate, Ethylenediamine, Glycol ethers and their acetates, 4-Hydroxyazobenzene, Isopropyl alcohol, Nitrobenzene, Nitrosomorpholine, Perfluoro and polyfluoro compounds, Phosphoric acid, Phthalates, Polychlorinated terphenyls, n-Propyl alcohol, Sodium aluminum fluoride, 3,3',4,4'-Tetrachlorobiphenyl, Tetralin, 1,3,5-Trimethylbenzene</u></b>

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Chemical Manufacturing (SIC 28xx)	<u>Preservatives, disinfectants, biocides</u>	-	<p><b><u>p-Benzoquinone dioxime, Bis(tributyltin) oxide, Chloramine, Chlorinated diphenyl oxide, Chlorine dioxide, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, 1-Chloro-2-nitrobenzene, Chlorophenols, Cresols, Dimethoxane, Dioxins, Ethylene glycol monophenyl ether, Ethylene sulfide, ETO, Fludioxonil, Formaldehyde, Glutaraldehyde, Hexachlorophene, Hexamethylenetetramine, Hydrochloric acid, Iodine, Iodoform, Isopropyl alcohol, Mercury, Peracetic acid, Phenol, Polychlorinated dibenzofurans, Potassium dimethyldithiocarbamate, Sodium azide, 1,1,1,2-Tetrachloroethane, 2,4,5-Trichlorophenol, Tricresyl phosphate, Trimethylamine, N-Vinyl-2-pyrrolidone, Zinc oxide</u></b></p>
Chemical Manufacturing (SIC 28xx)	<u>Rubber, Non-Vulcanized, Manufacturing</u>	-	<p><b><u>4-Aminobiphenyl, Carbazole, Catechol, Chloroform, Dioxins, Diphenylamine, 1-Dodecanethiol, Formaldehyde, Mica, Nitrobenzene, N-Nitrosodiethylamine, N-Nitrosodimethylamine, N-Nitrosodi-n-butylamine, Phenols, Polychlorinated dibenzofurans, Styrene and copolymers, Thioacetamide</u></b></p>
Chemical Manufacturing (SIC 28xx)	<u>Rubber, Non-Vulcanized, Manufacturing</u>	<u>Rubber Compounding, Processing Aids</u>	<p><b><u>Pentachlorobenzenethiol, Zinc</u></b></p>

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Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Accelerators	<b><u>Diphenyl thiourea, Diphenylamine, Disulfiram, Ethylene thiourea, Ferrocene, Furfural, 2-Mercaptobenzothiazole, N-Nitrosodimethylamine, p-Nitrosodiphenylamine, o-Toluidine, Zinc, Zinc oxide</u></b>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Age Restorers	<b><u>2-Mercaptobenzothiazole, Nickel, Phenol</u></b>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Vulcanizing Agents	<b><u>Benzoyl peroxide, Decaborane, Disulfiram, Ethylene thiourea, Lead, 2-Mercaptobenzothiazole, N-Nitrosodiphenylamine, p-Phenylenediamine, Selenium, Sulfur, Thioacetamide, Thiourea, o-Toluidine, Zinc, Zinc oxide</u></b>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Accelerator Activators	<b><u>Ammonia, Ferrocene, Lead, 2-Mercaptobenzothiazole, N,N'-Diethylthiourea, Zinc, Zinc oxide</u></b>



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Chemical Manufacturing (SIC 28xx)	Soap, Cleaners, & Toilet Goods; Cosmetics, and Other Toilet Preparations (SIC 284x)	-	<u>Acetal, Acetonitrile, Acrolein, Adipic acid, Allyl bromide, Allyl isovalerate, 1-Amino-2,4-dibromoanthraquinone, Ammonia, o-Anisidine, Anthranilic acid, Benzophenone, Benzoyl peroxide, Benzyl alcohol, Biphenyl, Bis(2-chloro-1-methylethyl) ether, Bis(2-ethylhexyl) adipate, Bisphenol-related chemicals, Bis(tributyltin) oxide, n-Butyl alcohol, Cerium, Chlorinated diphenyl oxide, Chlorine, Cyclosiloxanes, D5, Dialkylnitrosamines, Diethanolamine, Diethyl sulfate, 2,6-Diethylaniline, Di(2-ethylhexyl) phthalate, Dimethoxane, Dimethyl sulfate, 1,4-Dioxane, 1-Dodecanethiol, EDC, Epichlorohydrin, Ethyl acetate, Ethyl methacrylate, Ethylene, Ethylene glycol, Ethyleneimine, ETO, Glutaraldehyde, Glycol ethers and their acetates, Hexachlorocyclohexanes, Hexachlorophene, Hydrogen chloride, Hydrogen peroxide (&gt;5%), Hydroquinone, Iron oxide, Isobutyl methacrylate, Isopropyl alcohol, Kresoxim-methyl, Lindane, Magnesium oxide, 4-Methoxyphenol, 4-Methylimidazole, MIBK, Mica, Nitrobenzene, Nitrogen mustard N-oxide, Oxybenzone, Parabens, Perfluoro and polyfluoro compounds, PFOA, 2-Phenylphenol, Phosphorus, Phthalates, Potash soap, Potassium bromate, n-Propyl alcohol, Quinone, sec-Butyl alcohol, Silica (crystalline, respirable), Sodium diamyl sulfosuccinate, Subtilisins, 5-tert-Butyl-2,4,6-trinitro-m-xylene, Tetrakis(hydroxymethyl)phosphonium sulfate, Thioglycolic acid and salts, Thiourea, Titanium dioxide, Trichlorofluoromethane, Triclocarban, Triphenyl phosphate, Urethane, N-Vinyl-2-pyrrolidone, Xylidine, Zinc oxide</u>

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Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	-	<b><u>Acrolein, Bisphenol-related chemicals, Dialkyl nitrosamines, Nitrilotriacetic acid, Subtilisins, Succinic anhydride, Sulfur, 5-tert-Butyl-2,4,6-trinitro-m-xylene, Triclosan</u></b>
Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	Miscellaneous	<b><u>Acenaphthylene, Acrylic acid, Benzaldehyde, Benzene, beta-Myrcene, Bis(2-chloro-1-methylethyl) ether, Bis(tributyltin) oxide, Chlorinated diphenyl oxide, 2,6-Diethylaniline, Diethylenetriamine, Dimethyl sulfate, 1-Dodecanethiol, EDC, ETO, Formaldehyde, Glycol ethers and their acetates, Hexachlorophene, Hydrogen sulfide, 4-Hydroxyazobenzene, Isopropyl alcohol, Melamine, 2-Mercaptobenzothiazole, Methyl methacrylate, 4-Methylimidazole, Nitrilotriacetic acid, Nitrobenzene, PAHs and PAH-related compounds, Perfluoro and polyfluoro compounds, Phthalates, Propylene oxide, Sulfur trioxide, Thiourea, Toluene, Triclocarban, N-Vinyl-2-pyrrolidone</u></b>
Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	Optical Brighteners	<b><u>Morpholine, Nitrosomorpholine</u></b>

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<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Soap &amp; Detergent Manufacturing (SIC 2841-2844)</u>	<u>Polishes &amp; Sanitation Goods (SIC 2842)</u>	<u>Acrylamide, Ammonia, Arsenic, Benzene, Carbon tetrachloride, Chlorine, Chloroform, Cresol, 1,4-Dichlorobenzene, <b>Dimethyl sulfate, 4-Dimethylaminoazobenzene</b>, 1,4-Dioxane, Epichlorohydrin, Formaldehyde, Hydrogen chloride, Methylene chloride, Nitrobenzene, <b>Nitromethane</b>, Perchloroethylene, <b>2-Phenylphenol, Propionaldehyde, Pyridine, Silica (crystalline, respirable), Sodium aluminum fluoride</b>, 1,1,1-TCA, TCE, Toluene, Zinc, Zinc oxide</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Soap &amp; Detergent Manufacturing (SIC 2841-2844)</u>	<u>Surface Active Agents (SIC 2843)</u>	<u>Benzene, Benzyl chloride, <b>Diethylenetriamine</b>, 1,4-Dioxane, <b>Octylphenol</b>, Propylene oxide, <b>Sodium chlorite, Sodium diamyl sulfosuccinate, Succinic anhydride, 4-t-Octylphenol</b>, Toluene, Zinc, Zinc oxide</u>

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Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	Toilet Preparations (SIC 2844)	Acetaldehyde, Acrolein, <b><u>Acrylamide</u></b> , Ammonia, Arsenic, Benzene, Benzyl chloride, <b><u>Carbaryl</u></b> , CFC-113, <b><u>Cyclosiloxanes</u></b> , <b><u>Diethanolamine</u></b> , Dimethyl sulfate, 1,4-Dioxane, Formaldehyde, <b><u>Lead acetate</u></b> , <b><u>Methyl ethyl ketone</u></b> , Methylene chloride, <b><u>Naphthalene</u></b> , <b><u>1-Octanethiol</u></b> , <b><u>PAHs and PAH-related compounds</u></b> , Perchloroethylene, <b><u>Piperonyl butoxide</u></b> , <b><u>Selenium sulfide</u></b> , <b><u>Silica (crystalline, respirable)</u></b> , <b><u>Sodium chlorite</u></b> , <b><u>Sodium fluoride</u></b> , <b><u>Styrene oxide</u></b> , <b><u>Subtilisins</u></b> , <b><u>Succinic anhydride</u></b> , 1,1,1-TCA, TCE, Toluene, <b><u>Triclosan</u></b> , Zinc, Zinc oxide

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
Chemical Manufacturing (SIC 28xx)	Solvents Manufacturing (SIC 2869)	-	<u>Acetonitrile, Bis(2-chloro-1-methylethyl) ether, Caprolactam, Carbon disulfide, Chloroprene, Crotonaldehyde, Cyclohexane, Cyclohexanol, Cyclosiloxanes, D5, 1,2-Dichloroethylene (cis, trans), Diethanolamine, 2,6-Diethylaniline, Di(2-ethylhexyl) phthalate, Dimethyl methylphosphonate, Dimethylamine, 1,1-Dimethylhydrazine, Dioxane, EDC, Epichlorohydrin, Ethyl chloride, Ethyl methacrylate, Ethylidene dichloride, ETO, Glycol ethers and their acetates, Heptachlor, Hydrochloric acid, Isobutyl alcohol, Isophorone, Isopropyl alcohol, Methanol, Methyl chloride, Methyl hydrazine, Methylamine, N-Methylaniline, 2-Methylpyridine, Nitrobenzene, N-Nitrosodimethylamine, N-Nitrosomorpholine, N,N-Dimethylaniline, PCBTF, Pentachloroethane, Perchloroethylene, Phosphorus oxychloride, Phthalates, Propargyl alcohol, Propionitrile, Propylene oxide, Quinoline, sec-Butyl alcohol, Silica (crystalline, respirable), t-Butyl acetate, 1,1,2-TCA, tert-Butyl alcohol, 1,1,1,2-Tetrachloroethane, Tetraethylene glycol, Tetrahydrofuran, Tetralin, Tricresyl phosphate, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Triorthocresyl phosphate, Urethane, 4-Vinylcyclohexene, N-Vinyl-2-pyrrolidone, Xylenes</u>

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Chemical Manufacturing (SIC 28xx)	Textile Chemical Manufacturing	-	Acetamide, <b><u>Adiponitrile, Chlorine, Chromium (III) Sulfate, 2,4-Diaminoanisole sulfate, 2,4-Diaminoanisole, Dibenzofurans, Diethanolamine, Diglycidyl ether, Dimethylamine, Ethyleneimine, Glycol ethers and their acetates, Nonylphenol ethoxylates, TCE, Terephthalic acid, Toluene sulfonic acids, Urethane</u></b>
Chemical Manufacturing (SIC 28xx)	Varnish Manufacturing (SIC 2851)	-	<b><u>Aniline, Benzene, Benzofuran, Bis(2-chloroethyl) ether, Bis(2-chloro-1-methylethyl) ether, Carbon disulfide, Chromium (III) Sulfate, Cobalt, Cobalt compounds, Cyclosiloxanes, 1,2-Dichloroethylene (cis, trans), Dioxane, 1,4-Dioxane, Epichlorohydrin, Ethyl benzene, Ethyleneimine, Ethylidene dichloride, Formic acid, Furan, Hydroquinone, 4-Hydroxyazobenzene, Isobutyl alcohol, Isocyanates, Isopropyl alcohol, Lead acetate, Methyl ethyl ketone, Methyl ethyl ketone peroxide, Methyl isopropyl ketone, Methylene bis(4-cyclohexylisocyanate), MIBK, 2-Nitropropane, N,N-Dimethylacetamide, Novolac resins, Sodium chlorite, 1,1,1,2-Tetrachloroethane, Tetrahydrofuran, Titanium dioxide, Toluene, 2,2,4-Trimethylpentane, Triorthocresyl phosphate, Triphenyl phosphate, Vinyl toluene</u></b>

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Chemical Manufacturing (SIC 28xx)	(High)-Vinylidene Chloride Copolymer Fabric Process	-	<u>Vinylidene chloride</u>
Chemical Manufacturing (SIC 28xx)	Wax Manufacturing - see Polish Manufacturing, Appendix C-II	-	-
Chemical Manufacturing (SIC 28xx)	Wood Chemical Manufacturing - see Chemical Manufacturing, Organic Chemical Manufacturing, Gum & Wood Chemicals, Appendix C-II	-	-
Chemicals, Sales	-	-	<u>Ammonia, Benzene, 1,3-Butadiene, Hydrogen chloride, Methylene chloride, Styrene and copolymers, 1,1,1-TCA, Toluene, Vinyl chloride</u>
Chemicals, Sales	Storage & Handling - see Liquid Storage & Transfer, Appendix C-I	-	-
Chrome Plating - see Metal Plating, Appendix C-II	-	-	-

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Clay, Glass & Stone Products (SIC 32xx)	Miscellaneous (SIC 32xx)	-	<p><b><u>Acetaldehyde, Acrolein, Ammonia, Antimony trioxide, Antimony trisulfide, Arsenic, Arsenic compounds (inorganic), Asbestos, Barium, Barium chromate, Benzene, Benzofalpyrene, Benzyl chloride, Beryllium, Boron oxide, 1,3-Butadiene, Cadmium, Carbon disulfide, Carbon tetrachloride, CFC-113, Chlorine, Chloroform, Chromium, Chromium hexavalent, Copper, 1,4-Dichlorobenzene, Diesel engine PM, Diesel engine TOG, 1,4-Dioxane, Dioxins, EDB, EDC, Ethyl benzene, Formaldehyde, Glycol ethers and their acetates, Hexachlorobutadiene, Hydrochloric acid, Hydrogen chloride, Hydrogen fluoride, Lead, Lead chromate, Lead compounds (inorganic), Manganese, Mercury, Methanol, Methyl bromide, Methyl chloride, Methylene bis(4-cyclohexylisocyanate), Methylene chloride, Mica, Naphthalene, Nickel, PAHs and PAH-related compounds, PCBs, Perchloroethylene, Phenol, Phosphorus, Polychlorinated dibenzofurans, Propylene, Selenium, Silica, Silica (crystalline, respirable), Silicon carbide whiskers, Sodium aluminum fluoride, Sodium fluoride, Sodium hydroxide, Styrene, 1,1,1-TCA, 1,1,2-TCA, TCE, 1,1,2,2-Tetrachloroethane, Toluene, Toluene diisocyanates, Vinyl chloride, Xylenes, Zinc. Any other listed substances</u></b></p>



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<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Abrasive Products (SIC 3291)</u>	-	<b><u>Aluminum oxide</u></b> , Ammonia, <b><u>Barium chromate</u></b> , Cadmium, Chlorine, Chromium, <b><u>Chromium hexavalent</u></b> , Formaldehyde, Hydrogen chloride, Lead, <b><u>Lead chromate</u></b> , Manganese, Methylene chloride, Perchloroethylene, Phenol, <b><u>Silicon carbide whiskers</u></b> , Styrene and copolymers, 1,1,1-TCA, Toluene, Xylenes, Zinc
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Asbestos Mill/Processing (SIC 3292)</u>	-	<b><u>p-Aramid fibrils</u></b> , Benzene, Chromium, Copper, Formaldehyde, Hydrogen sulfide, Mineral fibers (asbestos and related), Naphthalene, Nickel, <b><u>PAHs and PAH-related compounds</u></b> , Silica, <b><u>Special-purpose fibers</u></b> , 1,1,1-TCA, Xylenes
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Asbestos Mill/Processing (SIC 3292)</u>	<u>Cement Products</u>	<b><u>Ammonium chloride</u></b> , <b><u>Barium sulfate</u></b> , <b><u>Mineral fibers (asbestos and related)</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Asbestos Mill/Processing (SIC 3292)</u>	<u>Floor Tile (SIC 3292)</u>	<b><u>Mineral fibers (asbestos and related)</u></b> , <b><u>Zinc oxide</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Asbestos Mill/Processing (SIC 3292)</u>	<u>Friction Material (SIC 3292)</u>	<b><u>Mineral fibers (asbestos and related)</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Asbestos Mill/Processing (SIC 3292)</u>	<u>Textiles (SIC 3292)</u>	<b><u>Mineral fibers (asbestos and related)</u></b> , <b><u>Special-purpose fibers</u></b>

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<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing (SIC 3241)</u>	Particulate, Gaseous, Aerosol Emissions including but not limited to: From stacks, feed to mill & air separator, kiln, dryers, grinders	<b><u>Ammonium chloride, Barium sulfate</u></b> , Benzene, Benzo[a]pyrene, Beryllium, <b><u>n-Butyl alcohol</u></b> , Cadmium, <b><u>Calcium cyanide</u></b> , Chromium, <b><u>Cobalt</u></b> , Copper, Formaldehyde, Hydrogen chloride, Lead, Manganese, <b><u>Mica</u></b> , Mineral fibers (asbestos and related), Nickel, PAHs and PAH-related compounds, PCBs, POM, <b><u>Tri-n-butyl phosphate, Wollastonite</u></b> , Zinc, <b><u>Zinc oxide</u></b> , All listed metals
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing</u>	<u>Clinker Cooler</u>	-
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing</u>	<u>Combustion Processes -- Also see Combustion, Appendix C-I</u>	<u>Benzene, Formaldehyde, Hydrogen chloride, PAHs and PAH-related compounds, PCBs, POM, All listed metals</u>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing</u>	<u>Dry Processes</u>	-
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing</u>	<u>Hydraulic</u>	<u>Arsenic, Cadmium, Chlorine, Chromium, Copper, Hydrogen chloride, Lead, Mercury, Nickel, Toluene, Zinc</u>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing</u>	<u>Wet Process</u>	-
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Clay Products, Structural (SIC 325x)</u>	-	-
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Clay Products, Structural (SIC 325x)</u>	<u>Brick &amp; Structural Clay Tile (SIC 3251)</u>	<u>Arsenic, Beryllium, <b><u>Calcium oxide, Chromium hexavalent, Chromium (III) Sulfate</u></b>, Lead, <b><u>Lead chromate</u></b></u>

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<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Clay Products, Structural (SIC 325x)</u>	<u>Ceramic Wall &amp; Floor Tile (SIC 3253)</u>	<b><u>Antimony, Arsenic, Beryllium, Chromium hexavalent, Chromium (III) Sulfate, Lead, Lead chromate, Magnesium oxide, Manganese, Mineral fibers (asbestos and related), Vanadium pentoxide</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Clay Products, Structural (SIC 325x)</u>	<u>Clay Refractories (SIC 3255)</u>	<b><u>Aluminum oxide, Beryllium, Chromium, Chromium hexavalent, Chromium (III) Sulfate, Lead chromate, Mineral fibers, Mineral fibers (asbestos and related), Silicon carbide whiskers</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, &amp; Plaster Products (SIC 327x)</u>	-	<b><u>Calcium oxide</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, &amp; Plaster Products (SIC 327x)</u>	<u>Concrete Block &amp; Brick (SIC 3271)</u>	<b><u>Aluminum, Chromium, Styrene and copolymers</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, &amp; Plaster Products (SIC 327x)</u>	<u>Concrete Products (SIC 3272)</u>	<b><u>Aluminum, Ammonia, Chromium, Gasoline vapors, Toluene, Zinc</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, &amp; Plaster Products (SIC 327x)</u>	<u>Ready-mixed Concrete (SIC 3273)</u>	<u>Hydrogen sulfide, Mineral fibers (asbestos and related)</u>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, &amp; Plaster Products (SIC 327x)</u>	<u>Lime (SIC 3274)</u>	<b><u>Calcium oxide, Mercury</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Cut Stone &amp; Stone Products (SIC 3281)</u>	-	<b><u>Methyl methacrylate, Silicon carbide whiskers, Styrene and copolymers, TCE</u></b>

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Clay, Glass & Stone Products (SIC 32xx)	<u>Flat Glass (SIC 3211)</u>	-	Ammonia, <b><u>Ammonium nitrate</u></b> , <b><u>Antimony</u></b> , Arsenic, <b><u>Arsenic trioxide</u></b> , <b><u>Boron oxide</u></b> , Cadmium, <b><u>Calcium oxide</u></b> , Chlorine, Chromium, <b><u>Cobalt</u></b> , <b><u>Cobalt compounds</u></b> , Hydrogen, <b><u>Indium tin oxide</u></b> , <b><u>Methyl ethyl ketone peroxide</u></b> , Nickel, <b><u>Nickel compounds</u></b> , <b><u>Selenium</u></b> , <b><u>Silica (crystalline, respirable)</u></b> , <b><u>Tin</u></b> , <b><u>Tin oxide</u></b> , <b><u>Titanium dioxide</u></b> , <b><u>Titanium tetrachloride</u></b> , Toluene, <b><u>Vanadium pentoxide</u></b> , <b><u>Zinc oxide</u></b>
Clay, Glass & Stone Products (SIC 32xx)	<u>Gaskets, Packing, &amp; Sealing Devices (SIC 3053)</u>	-	Ammonia, Chlorobenzene, Gasoline vapors, Hydrogen chloride, Lead, Mineral fibers (asbestos and related), <b><u>Special-purpose fibers</u></b> , TCE, Toluene, <b><u>Trimellitic anhydride</u></b> , Zinc
Clay, Glass & Stone Products (SIC 32xx)	<u>Glass &amp; Glassware, Pressed &amp; Blown (SIC 322x)</u>	-	Ammonia, <b><u>Antimony</u></b> , Arsenic, <b><u>Arsenic acid</u></b> , <b><u>Arsenic pentoxide</u></b> , <b><u>Arsenic trioxide</u></b> , <b><u>Arsine</u></b> , <b><u>Barium chromate</u></b> , <b><u>Boron oxide</u></b> , Cadmium, <b><u>Calcium oxide</u></b> , <b><u>Carbon disulfide</u></b> , Chlorine, Chromium, <b><u>Chromium hexavalent</u></b> , <b><u>Cobalt</u></b> , <b><u>Cobalt compounds</u></b> , <b><u>2,4-Dichlorophenol</u></b> , Formaldehyde, Hydrogen chloride, Lead, Mercury, Methylene chloride, Nickel, <b><u>Nickel compounds</u></b> , Perchloroethylene, <b><u>Selenium</u></b> , Styrene and copolymers, 1,1,1-TCA, <b><u>Tin oxide</u></b> , <b><u>Titanium dioxide</u></b> , <b><u>Titanium tetrachloride</u></b> , Toluene, <b><u>1,2,3-Trichlorobenzene</u></b> , <b><u>Vanadium pentoxide</u></b> , <b><u>Zinc oxide</u></b>

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<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Glass &amp; Glassware, Pressed &amp; Blown (SIC 322x)</u>	<u>Glass Container Manufacturing, From glass furnace (SIC 3221)</u>	Arsenic, <b><u>Arsenic acid, Arsenic trioxide</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Glass &amp; Glassware, Pressed &amp; Blown (SIC 322x)</u>	<u>Pressed and Blown Glass and Glassware, Not Elsewhere Classified (SIC 3229)</u>	Arsenic, <b><u>Arsenic acid, Arsenic trioxide, n-Butyl alcohol, Carbon disulfide, Chlorinated diphenyl oxide</u></b> , Chlorine, Hydrogen chloride, Methylene chloride, <b><u>Mineral fibers (manmade), Nickel, Nickel compounds, Titanium dioxide</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Minerals, Ground or Treated (SIC 3295)</u>	-	<b><u>Barium</u></b> , Chlorine, Chromium, Copper, Gasoline vapors, Hydrogen chloride
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Mineral Wool Products (SIC 3296)</u>	-	Ammonia, Carbon tetrachloride, Formaldehyde, Mineral fibers, <b><u>Mineral fibers (asbestos and related), Phenol, Silica (crystalline, respirable), Special-purpose fibers</u></b>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Nonclay Refractories (SIC 3297)</u>	-	<b><u>Aluminum oxide</u></b> , Ammonia, Beryllium, Chromium, Formaldehyde, Hydrogen chloride, Mineral fibers, <b><u>Mineral fibers (asbestos and related)</u></b> , Phenol, Zinc, Zinc oxide
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Nonmetallic Mineral Products (SIC 3299)</u>	-	Chlorine, Copper, Hydrogen chloride, Mineral fibers, <b><u>Mineral fibers (asbestos and related)</u></b> , Styrene and copolymers, Toluene
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Pottery &amp; Related Products (SIC 326x)</u>	-	<b><u>Aluminum oxide, Antimony, Beryllium, Beryllium oxide, Cobalt, Cobalt compounds, Lead, Molybdenum trioxide, Nickel, Nickel compounds, Phosphoric acid, Silicon carbide whiskers, 1,1,1-TCA, Thorium-232 and its decay products, Vanadium pentoxide, Wollastonite</u></b>

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<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Pottery &amp; Related Products (SIC 326x)</u>	<u>Vitreous Plumbing Fixtures (SIC 3261)</u>	<u>Styrene and copolymers, Toluene</u>
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Pottery &amp; Related Products (SIC 326x)</u>	<u>Fine Earthen Food Utensils (SIC 3263)</u>	Ammonia, Beryllium, Copper, Hydrogen sulfide, Lead, Methyl bromide, Naphthalene, <b><u>PAHs and PAH-related compounds</u></b> , Perchloroethylene, TCE, Toluene, Zinc
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Purchased Glass Products (SIC 3231)</u>	-	<b><u>Acetaldehyde</u></b> , Ammonia, <b><u>Arsenic acid</u></b> , <b><u>Cadmium chloride</u></b> , <b><u>Dibutyl phthalate</u></b> , <b><u>Dimethyl phthalate</u></b> , <b><u>Formic acid</u></b> , <b><u>Silver</u></b> , TCE, Toluene, <b><u>Vinyl acetate</u></b> , Xylenes
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Clay, Glass &amp; Stone Products (SIC 32xx)</u>	<u>Other Processes - see Other Processes, Appendix C-I</u>	-	-
<u>Coal Combustion - see Combustion, Appendix C-I</u>	-	-	-
<u>Coal, Wholesaling (SIC 5052)</u>	-	-	<b><u>Coal dust</u></b> , Zinc, Zinc oxide
<u>Coke Combustion - see Combustion, Appendix C-I</u>	-	-	-
<u>Coke Production (SIC 2999)</u>	-	-	<b><u>Coal tar</u></b> , PAHs and PAH-related compounds, POM, Toluene
<u>Coke Production (SIC 2999)</u>	<u>Also see Metal Smelters, Appendix C-II</u>	-	-

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<u>Colleges &amp; Universities (SIC 822x)</u>	<u>Miscellaneous</u>	-	<u>Benzene, Carbon tetrachloride, Chloroform, Dioxane, Formaldehyde, Mercury, Methylene chloride, Nitrobenzene, Phenol, 1,1,1-TCA, Toluene, Xylenes, Any other listed substances</u>
<u>Colleges &amp; Universities (SIC 822x)</u>	<u>Also see Chemical Manufacturing, Appendix C-II; Combustion, Appendix C-I; Research &amp; Development, Appendix C-II; Solvent Use, Appendix C-I</u>	-	-
<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-	-
<u>Commercial/Institutional Combustion - see Combustion, Appendix C-I</u>	-	-	-
<u>Cooling Towers - see Other Processes, Appendix C-I</u>	-	-	-
<u>Correctional Institutions - see Combustion, Appendix C-I</u>	-	-	-
<u>Cotton Ginning - see Agricultural Production, Appendix C-II</u>	-	-	-

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<u>Crematories, Human and Veterinary, and Funeral Service (SIC 7261, 8699)</u>	-	-	<b><u>Acetaldehyde, Arsenic, Cadmium, Chromium, Chromium hexavalent, Dioxins, Ethyl cyanoacrylate, Formaldehyde, Hydrochloric acid, Mercury, Methyl cyanoacrylate, Polychlorinated dibenzofurans</u></b>
<u>Crop Production - see Agricultural Production, Appendix C-II</u>	-	-	-
<u>Dental Laboratories (SIC 8072)</u>	-	-	<b><u>Chromium, Cobalt, Indium and compounds, Nickel, Platinum</u></b>
<u>Dentists (SIC 802x)</u>	-	-	<b><u>Dimethyl-p-toluidine, EGDMA, Ethyl cyanoacrylate, Isocyanates, Methyl cyanoacrylate</u></b>
<u>Dry Cleaning Operations (SIC 721x)</u>	-	-	<b><u>Benzenesulfonic acid, Bis(tributyltin) oxide, CFC-113, Chlorinated diphenyl oxide, Chloroform, 1,2-Dichloropropane, EDC, Ethylene glycol monobutyl ether, Fluorocarbons (Chlorinated), Hexane, MIBK, Naphtha (coal tar), Perchloroethylene, 1,1,1-TCA, TCE, Toluene</u></b>



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<u>Dyeing of Textiles (SIC 226x)</u>	<u>Gaseous, aerosol, and particulate releases, including but not limited to:</u>	-	<u>Aniline hydrochloride, Anthranilic acid, Barium sulfate, Bis(tributyltin) oxide, n-Butyl alcohol, Cadmium chloride, 5-Chloro-o-toluidine and its strong acid salts, Chromium (III) Sulfate, Cyclosiloxanes, D5, Diethyl sulfate, 3,3'-Dimethylbenzidine dihydrochloride, Direct Black 38, Direct Blue 218, Direct Blue 6, Direct Brown 95, Endrin, Formic acid, Glycol ethers and their acetates, meta-Phenylenediamine, Methylamine, Perchloroethylene, sec-Butyl alcohol, Vanadium pentoxide, N-Vinyl-2-pyrrolidone</u>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Due to toxics in the solutions</u>	-	-
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Dyes</u>	-	<u>1-Amino-2,4-dibromoanthraquinone, Arsenic pentoxide, Auramine, Chloroacetic acid, Chromium, Chromium hexavalent, Cobalt octoate, Copper, m-Cresidine, p-Cresidine, 2,4-Diaminoanisole, Dibenzofurans, 1,4-Dichloro-2-nitrobenzene, 2,4-Dichlorophenol, Diethyl sulfate, 3,3'-Dimethoxybenzidine, 3,3'-Dimethylbenzidine dihydrochloride, 3,3'-Dimethylbenzidine, Direct Black 38, Direct Blue 218, Direct Blue 6, Direct Brown 95, Hexamethylenetetramine, Hydrazine, Lead chromate, Methyl phenyl carbinol, Sodium dichromate, 2,4-Xylidine</u>

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<u>Dyeing of Textiles (SIC 226x)</u>	<u>Fixatives</u>	-	Chromium, <b><u>Chromium hexavalent</u></b> , Copper, <b><u>Lead chromate</u></b> , <b><u>Sodium dichromate</u></b>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Oxidizing Agents</u>	-	Chromium, <b><u>Chromium hexavalent</u></b> , <b><u>Lead chromate</u></b> , <b><u>Sodium dichromate</u></b>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Dyeing Aids</u>	-	<b><u>Acetonitrile</u></b> , <b><u>Ammonium chloride</u></b> , <b><u>Ammonium sulfate</u></b> , <b><u>Bromoform</u></b> , <b><u>Chlorine</u></b> , <b><u>Chromium hexavalent</u></b> , <b><u>2,4-Diaminoanisole</u></b> , <b><u>Dibenzofurans</u></b> , <b><u>Formaldehyde</u></b> , <b><u>Lead acetate</u></b> , <b><u>Perchloroethylene</u></b> , <b><u>Sodium dichromate</u></b> , <b><u>Sodium hydroxide</u></b> , <b><u>Thioacetamide</u></b> , <b><u>Toluene sulfonic acids</u></b> , <b><u>Vanadium pentoxide</u></b> , <b><u>N-Vinyl-2-pyrrolidone</u></b>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Eating Places (Restaurants, Fast Food, Cafeterias, Grills, Caterers, etc.) (SIC 5812)</u>	-	-	<b><u>Dibenz[a,h]acridine</u></b> , <b><u>MeIQ</u></b> , <b><u>MeIQx</u></b> , <b><u>PAHs and PAH-related compounds</u></b> , <b><u>Styrene and copolymers</u></b>
<u>Electrical Assembly Cleaning - see Degreasing, Appendix C-I</u>	-	-	-

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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	-	-	<u>Acetaldehyde, Acrolein, Acrylamide, Ammonia, Arsenic, Arsenic compounds (inorganic), Benzene, Beryllium, 1,3-Butadiene, Cadmium, Chlorine, Chloroform, Chromium, Chromium hexavalent, Copper, Cresols, Cyclosiloxanes, D6, Diesel engine PM, Di(2-ethylhexyl) phthalate, 1,4-Dioxane, EDC, Epichlorohydrin, Epoxy resins, Ethyl benzene, Flame retardants, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Hydrochloric acid, Hydrogen fluoride, Isocyanates, Isopropyl alcohol, Lead, Manganese, Methanol, Methylene chloride, Michler's ketone, Mineral fibers (asbestos and related), Naphthalene, Nickel, Nitric acid, PAHs and PAH-related compounds, Perchloroethylene, Phosphine, Phosphorus, Propylene glycol monomethyl ether acetate, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Sulfuric acid, 1,1,1-TCA, TCE, Thiourea, Toluene, Toluene diisocyanates, 1,2,3-Trichlorobenzene, Xylenes, Zinc, Any other listed substances</u>

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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Miscellaneous (SIC 369x)</u>	-	<u>Aluminum diethyl phosphinate, Arsenic, Arsenic trioxide, Beryllium, Beryllium oxide, Boron oxide, Boron trichloride, Cadmium, Carbon nanotubes, CFC-113, Copper, 1,4-Dioxane, Ethyl cyanoacrylate, Ethylene, Gallium arsenide, Glycol ethers and their acetates, Indium tin oxide, Isoprene, Methyl cyanoacrylate, Methyl iodide, Methylene chloride, Mica, Nickel, Nickel compounds, PCBTF, Perchloroethylene, Perchloryl fluoride, Perfluoro and polyfluoro compounds, Platinum, Propylene glycol t-butyl ether, Rhodium, Ruthenium, Selenium, Silica (crystalline, respirable), Silver, Sodium aluminum fluoride, Sulfuric acid, 1,1,1-TCA, TCE, Tetrahydrobenzaldehyde, Titanium dioxide, 1,2,4-Trichlorobenzene, Trichlorofluoromethane, Triphenyl phosphate, Yttrium and compounds, Zinc oxide</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Communication Equipment (SIC 366x)</u>	-	-
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Communication Equipment (SIC 366x)</u>	<u>Radio &amp; TV Communication Equipment (SIC 3663)</u>	Formaldehyde, <b><u>Glycol ethers and their acetates</u></b> , Hydrogen chloride, Hydrogen sulfide, Lead, Methylene chloride, Perchloroethylene, 1,1,1-TCA, TCE, <b><u>Thorium-232 and its decay products</u></b> , Toluene, Toluene diisocyanates, Xylenes, <u>Zinc</u>

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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Communication Equipment (SIC 366x)</u>	<u>Telephone &amp; Telegraph Apparatus (SIC 3661)</u>	<u>Ammonia, Copper, Formaldehyde, Hydrogen chloride, Methylene chloride, Perchloroethylene, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene, Xylenes</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electric Distribution Equipment (SIC 361x)</u>	-	<u>Ammonia, <b>Chlorotrifluoromethane</b>, Naphthalene, <b>PAHs and PAH-related compounds</b>, <b>PCBTF</b>, <b>Perchloryl fluoride</b>, 1,1,1-TCA, TCE, Toluene</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electric Distribution Equipment (SIC 361x)</u>	<u>Transformers (SIC 3612)</u>	<u>Ammonia, Beryllium, <b>Chlorotrifluoromethane</b>, Hydrogen chloride, Lead, Methylene chloride, Naphthalene, <b>PAHs and PAH-related compounds</b>, PCBs, <b>PCBTF</b>, Perchloroethylene, 1,1,1-TCA, TCE, Toluene, Vinyl chloride, Xylenes, Zinc oxide</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electric Distribution Equipment (SIC 361x)</u>	<u>Switchgear &amp; Switchboard Apparatus (SIC 3613)</u>	<u>Ammonia, Formaldehyde, Hydrogen chloride, Perchloroethylene, <b>Rhodium, Ruthenium</b>, 1,1,1-TCA, TCE, Toluene</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	-	<u>Ammonia, Arsenic, Benzo[a]pyrene, Copper, Hydrogen chloride, Lead, Mercury, <b>PAHs and PAH-related compounds</b>, PCBs, Perchloroethylene, 1,1,1-TCA, TCE, <b>Tin</b>, Toluene</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	<u>Motors &amp; Generators (SIC 3621)</u>	<u>Ammonia, <b>Decahydronaphthalene</b>, Formaldehyde, Hydrogen chloride, Lead, Naphthalene, <b>PAHs and PAH-related compounds</b>, Phenol, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene</u>

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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	<u>Industrial Controls (SIC 3625)</u>	<u>Ammonia, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	<u>Welding Apparatus, Electric (SIC 3548)</u>	<u>Nickel, <b>Propionitrile, Thorium-232 and its decay products</b>, Toluene</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	<u>Carbon &amp; Graphite Products (SIC 3624)</u>	<u>Benzo[a]pyrene, Chlorine, Hydrogen chloride, Hydrogen sulfide, <b>PAHs and PAH-related compounds, Propionitrile</b>, Styrene and copolymers</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components &amp; Accessories (SIC 367x, 3691, 3692)</u>	-	<u>Acetaldehyde, Ammonia, Arsenic, Benzene, Benzyl chloride, Beryllium, <b>n-Butyl glycidyl ether</b>, Cadmium, <b>Cadmium chloride</b>, Chlorine, Chloroform, Chromium, <b>Chromium hexavalent</b>, Copper, <b>1,4-Dioxane</b>, EDC, Epichlorohydrin, Formaldehyde, <b>Gallium arsenide</b>, Gasoline vapors, <b>Glycol ethers and their acetates</b>, Hydrazine, Hydrogen chloride, Hydrogen sulfide, <b>Indium and compounds</b>, Lead, Manganese, Mercury, Methylene chloride, Naphthalene, Nickel, <b>PAHs and PAH-related compounds</b>, PCBs, Perchloroethylene, Phenol, Phosgene, <b>Propionitrile</b>, <b>Silver</b>, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene, Toluene diisocyanates, Xylenes, Zinc, Zinc oxide</u>

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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components &amp; Accessories (SIC 367x, 3691, 3692)</u>	<u>Batteries (SIC 3691, 3692)</u>	<b><u>Mercury, Thionyl chloride</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components &amp; Accessories (SIC 367x, 3691, 3692)</u>	<u>Batteries, Primary, Dry &amp; Wet (SIC 3692)</u>	<b><u>Ammonium chloride, Antimony, Barium chromate, Cadmium, Calcium chromate, Chromium hexavalent, Indium and compounds, Lead, Mercury, Naphthalene, Nickel, PAHs and PAH-related compounds, Pentachloronaphthalene, Silver, Sodium dichromate, Zinc, Zinc oxide</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components &amp; Accessories (SIC 367x, 3691, 3692)</u>	<u>Batteries, Storage (SIC 3691)</u>	<b><u>Allyl cyanide, Antimony, Barium chromate, Beryllium, Cadmium, Calcium chromate, Chromium hexavalent, Cobalt compounds, 3,5-Dinitrotoluene, Lead, Manganese, Mercury, Nickel, Nickel compounds, N-Nitrosodimethylamine, Pentachloronaphthalene, Silver, Sodium dichromate, 1,1,1-TCA, Zinc, Zinc oxide</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components &amp; Accessories (SIC 367x, 3691, 3692)</u>	<u>Cathode Ray Picture Tubes (SIC 3671)</u>	<b><u>Barium, Beryllium, Lead</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components &amp; Accessories (SIC 367x, 3691, 3692)</u>	<u>Electron Tubes, Transmitting (SIC 3671)</u>	<b><u>Ammonia, Benzene, Beryllium, Cadmium, Carbon disulfide, Chromium, Copper, Hydrogen chloride, Indium phosphide, Lead, Nickel, Styrene and copolymers, TCE, Toluene, Xylenes</u></b>

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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components &amp; Accessories (SIC 367x, 3691, 3692)</u>	<u>Electron Capacitors (SIC 3675)</u>	<u>Allyl chloride, Chromium, Epichlorohydrin, Lead, Methylene chloride, <b>Palladium, Pentachloronaphthalene</b>, 1,1,1-TCA, TCE</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components &amp; Accessories (SIC 367x, 3691, 3692)</u>	<u>Miscellaneous (SIC 3679)</u>	<u><b>Chloroprene, Silica (crystalline, respirable), Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene</b></u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>From: developer, stripper</u>	<u><b>n-Butyl glycidyl ether</b>, Ethylene glycol monobutyl ether, <b>Glycol ethers and their acetates, N-Methylpyrrolidone</b></u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>screening-hardener</u>	<u>Formaldehyde, <b>Magnesium oxide</b>, Methylene chloride</u>



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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Semiconductors &amp; Related Devices (SIC 3674)</u>	Ammonia, <b><u>Ammonium chloride</u></b> , Arsenic, Arsine, Beryllium, <b><u>Boron tribromide</u></b> , <b><u>Boron trichloride</u></b> , <b><u>Carbon nanotubes</u></b> , <b><u>Carbon tetrachloride</u></b> , Chlorine, Chlorobenzene, <b><u>Cobalt [III] oxide</u></b> , <b><u>1,2-Dichloroethylene (cis, trans)</u></b> , <b><u>1,4-Dioxane</u></b> , Ethylene glycol, <b><u>Gallium arsenide</u></b> , <b><u>Germanium tetrahydride</u></b> , <b><u>Glycol ethers and their acetates</u></b> , <b><u>n-Hexanethiol</u></b> , Hydrazine, Hydrochloric acid, Hydrogen chloride, Hydrogen fluoride, <b><u>Hydrogen selenide</u></b> , <b><u>Indium and compounds</u></b> , <b><u>Indium phosphide</u></b> , Lead, Mercury, Methanol, Methylene chloride, <b><u>2-Methylimidazole</u></b> , Nickel, <b><u>Nitromethane</u></b> , <b><u>Pentachloronaphthalene</u></b> , Perchloroethylene, <b><u>Perfluoroisobutylene</u></b> , <b><u>Perylene</u></b> , Phenol, Phosphene, <b><u>Phosphine</u></b> , <b><u>Phosphoric acid</u></b> , <b><u>Phosphorus oxychloride</u></b> , <b><u>Platinum</u></b> , <b><u>Ruthenium</u></b> , <b><u>Selenium</u></b> , <b><u>Silicon carbide whiskers</u></b> , Styrene and copolymers, 1,1,1-TCA, TCE, <b><u>Thallium</u></b> , Toluene, Toluene diisocyanates, Xylenes, Zinc, <b><u>Zinc oxide</u></b> , <b><u>Zinc phosphide</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Solvent Stations - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Wet Chemical Stations</u>	<b><u>Propionitrile</u></b>

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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Manufacturing Process Reactors (Siliconizing)</u>	<b><u>Indium and compounds</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Chemical Vapor Deposition</u>	<b><u>Chlorotrifluoromethane</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Diffusion Furnaces - see Combustion, Appendix C-I</u>	-
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Photoresist Lines</u>	<b><u>N-Methylpyrrolidone</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Surface Coating/Cleaning - see Solvent Use, Appendix C-I</u>	-
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	-	<b><u>Mineral fibers (asbestos and related), PBBs</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Electric Housewares/Fans (SIC 3634)</u>	<u>Beryllium, Toluene</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Household Cooking Equipment (SIC 3631)</u>	<b><u>Acrylonitrile-butadiene-styrene copolymers, Beryllium oxide, Perfluoro and polyfluoro compounds, 1,1,1-TCA, TCE</u></b>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Household Laundry Equipment (SIC 3633)</u>	<u>Perchloroethylene, Toluene</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Household Refrigerators &amp; Freezers (SIC 3632)</u>	<u>Toluene</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Sewing Machines (SIC 3639)</u>	<b><u>Beryllium, 1,1,1-TCA, Toluene</u></b>

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Electrical & Electronic Equipment (SIC 36xx)	Electric Lighting & Wiring Equipment (SIC 364x)	-	<b><u>Benzenesulfonic acid, Chloroprene, Methyl methacrylate</u></b> , TCE, Toluene
Electrical & Electronic Equipment (SIC 36xx)	Electric Lighting & Wiring Equipment (SIC 364x)	Electric Lamps (SIC 3641)	Ammonia, Cadmium, <b><u>Hafnium and compounds, Indium and compounds</u></b> , Mercury, <b><u>5-Nitroacenaphthene</u></b> , 1,1,1-TCA, TCE, Toluene
Electrical & Electronic Equipment (SIC 36xx)	Electric Lighting & Wiring Equipment (SIC 364x)	Lighting Fixtures (SIC 3645, 3646)	<b><u>Methyl methacrylate</u></b>
Electrical & Electronic Equipment (SIC 36xx)	Electric Lighting & Wiring Equipment (SIC 364x)	Lighting Fixtures, Commercial (SIC 3646)	<b><u>Hafnium and compounds</u></b> , 1,1,1-TCA, Toluene
Electrical & Electronic Equipment (SIC 36xx)	Electric Lighting & Wiring Equipment (SIC 364x)	Lighting Fixtures, Residential (SIC 3645)	Ammonia, <b><u>Hafnium and compounds</u></b> , Hydrazine, 1,1,1-TCA, TCE, Toluene
Electrical & Electronic Equipment (SIC 36xx)	Electric Lighting & Wiring Equipment (SIC 364x)	Wiring Devices (SIC 3643, 3644)	<b><u>Chlorinated diphenyl oxide, Chloroprene, Copper</u></b>
Electrical & Electronic Equipment (SIC 36xx)	Electric Lighting & Wiring Equipment (SIC 364x)	Wiring Devices, Current-Carrying (SIC 3643)	Ammonia, Copper, Formaldehyde, Hydrogen chloride, Manganese, Methylene chloride, Nickel, Perchloroethylene, <b><u>Perfluoro and polyfluoro compounds</u></b> , Phenol, <b><u>Selenium hexafluoride</u></b> , 1,1,1-TCA, TCE, <b><u>Tetrachlorobenzene (mixed isomers)</u></b> , <b><u>1,2,3,4-Tetrachlorobenzene</u></b> , <b><u>1,2,4,5-Tetrachlorobenzene</u></b> , Toluene, Toluene diisocyanates, Zinc
Electrical & Electronic Equipment (SIC 36xx)	Electric Lighting & Wiring Equipment (SIC 364x)	Wiring Devices, Noncurrent-Carrying (SIC 3644)	<b><u>Chlorinated diphenyl oxide</u></b> , Copper, Hydrogen chloride, <b><u>Selenium hexafluoride</u></b> , Styrene and copolymers, TCE, <b><u>Tetrachlorobenzene (mixed isomers)</u></b> , <b><u>1,2,3,4-Tetrachlorobenzene</u></b> , <b><u>1,2,4,5-Tetrachlorobenzene</u></b> , Toluene, Vinyl chloride, Zinc

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<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Radio &amp; TV Receiving Sets (SIC 3651)</u>	-	<u>Ammonia, <b>Indium and compounds</b>, 1,1,1-TCA, TCE, Toluene, Xylenes</u>
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>Semiconductor Production - see Electric &amp; Electronic Equipment, Integrated Circuit, Appendix C-II</u>	-	-
<u>Electrical &amp; Electronic Equipment (SIC 36xx)</u>	<u>X-Ray Apparatus &amp; Tubes (SIC 3844)</u>	-	<u>Beryllium, Hydrogen chloride, Perchloroethylene, 1,1,1-TCA, Toluene</u>

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<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	-	-	<p><b><u>Acetaldehyde, Acrolein, Acrylonitrile, Ammonia, Ammonium sulfate, Arsenic, Arsenic compounds (inorganic), Asbestos, Barium, Benzene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzyl chloride, Beryllium, Biphenyl, Bromine, 1,3-Butadiene, Cadmium, Carbon tetrachloride, Carbonyl sulfide, Chlorine, Chloroform, Chromium, Chromium hexavalent, Copper, Cyclohexane, 1,4-Dichlorobenzene, Diesel engine PM, Diesel engine TOG, 7,12-Dimethylbenz[a]anthracene, 1,4-Dioxane, Dioxins, EDB, EDC, Ethyl benzene, Ethylene thiourea, Ethylidene dichloride, Fluorides and compounds, Fluorocarbons (Chlorinated), Formaldehyde, Gasoline vapors, Glutaraldehyde, Hexane, Hydrazine, Hydrochloric acid, Hydrogen fluoride, Hydrogen sulfide, Isopropyl alcohol, Lead, Manganese, Mercury, Methanol, Methyl ethyl ketone, Methylene chloride, MIBK, Naphthalene, Nickel, PAHs and PAH-related compounds, PCBs, Perchloroethylene, Phenanthrene, Phosphoric acid, Phosphorus, Polychlorinated dibenzofurans, Propylene, Propylene oxide, Pyrene, Selenium, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Succinic anhydride, Sulfuric acid, 1,1,1-TCA, 1,1,2-TCA, TCE, 1,1,2,2-Tetrachloroethane, Toluene, 1,2,4-Trimethylbenzene, Vinyl chloride, Xylenes, Zinc, Any other listed substances</u></b></p>

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<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Cooling Towers - see Other Processes, Appendix C-I</u>	-	-
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Electric Services (SIC 4911)</u>	-	<u>Acetaldehyde, Arsenic, Benzene, Benzo[a]pyrene, Beryllium, Cadmium, Chromium, Copper, Formaldehyde, Lead, Manganese, Mercury, Nickel, PAHs and PAH-related compounds, PCBs, POM, 1,1,1-TCA</u>
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Gas &amp; Other Services (SIC 492x, 4932)</u>	-	<u>Dimethyl disulfide, Ethyl mercaptan, Hydrogen sulfide</u>
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Water Supply (SIC 4941)</u>	-	<u>Arsenic, Bromochloroacetonitrile, Bromodichloroacetic acid, Bromodichloromethane, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, Chromium, Cyclosiloxanes, D6, Dibromoacetic acid, Dibromoacetonitrile, Hydrogen chloride, Hydrogen sulfide, Mercury, Nitrilotriacetic acid, Pentachloronitrobenzene, Perchloroethylene, Silica (crystalline, respirable), Silver, Sodium chlorite, Sodium dimethyldithiocarbamate, Sodium fluoride, Sodium hydroxide, 1,1,1-TCA, TCE</u>

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<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Sanitary Services (SIC 495x)</u>	-	<u>Benzene, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, Chloroform, EDC, Methylene chloride, Perchloroethylene, 1,1,1-TCA, TCE, Vinyl chloride</u>
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Sanitary Services, Refuse Systems (SIC 4953)</u>	-	<u>Ammonia, Arsenic, Beryllium, Cadmium, Chlorine, Chromium, Copper, Hydrogen chloride, Lead, Manganese, Mercury, Nickel, PAHs and PAH-related compounds, PCBs, POM, Toluene, Vinyl chloride, Zinc</u>
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Sanitary Services, Refuse Systems (SIC 4953)</u>	<u>Also see Landfills, Appendix C-II</u>	-
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Sewerage Systems (SIC 4952)</u>	-	<u>Ammonia, Arsenic, Cadmium, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, Chromium, Copper, Hydrogen chloride, Lead, Mercury, Nickel, Propionitrile, Trimethylamine, Zinc</u>
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Sewerage Systems (SIC 4952)</u>	<u>Also see Publicly Owned Treatment Works (POTWs), Appendix C-II</u>	-
<u>Electric, Gas, &amp; Sanitary Services (SIC 49xx)</u>	<u>Steam Supply (SIC 4961)</u>	-	<u>Benzene, Biphenyl, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, Formaldehyde, Morpholine, Toluene</u>
<u>Electroplating - see Metal Plating, Appendix C-II</u>	-	-	-
<u>Extermination - see Other Processes, Pesticide Use, Appendix C-I</u>	-	-	-

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<u>Felt Manufacturing (SIC 2231, 2299)</u>	-	-	<b><u>Benzofuran, 2,4-Diaminoanisole</u></b> , Mineral fibers (asbestos and related)
<u>Fiberboard Manufacturing - see Wood Product Manufacturing, Appendix C-II</u>	-	-	-
<u>Floor Cover Manufacturing, Hard Surface (SIC 3996)</u>	-	-	<b><u>Barium sulfate, Benzene, Flame retardants, Isocyanates, Vinyl chloride</u></b>
<u>Floor Tile Manufacturing (SIC 3253)</u>	-	-	<b><u>Flame retardants, Isocyanates</u></b> , Mineral fibers (asbestos and related), <b><u>Phthalates, Zinc oxide</u></b>



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Food Products Manufacturing (SIC 20xx)	<u>Miscellaneous (SIC 2099)</u>	-	<u>Allyl isothiocyanate, Allyl propyl disulfide, Aluminum, Aluminum oxide, 1-Amino-2,4-dibromoanthraquinone, Benzaldehyde, Benzenethiol, beta-Myrcene, n-Butyl alcohol, Calcium oxide, Caprolactam, Cresols, Diacetyl, Di(2-ethylhexyl) phthalate, Ethyl acrylate, Ethylene, Ethylene glycol, gamma-Butyrolactone, Glyceraldehyde, 2,4-Hexadienal, Hexamethylenetetramine, Hydrogen peroxide (&gt;5%), Iodine, Isobutyl alcohol, Isobutylene, Isocyanates, Isophorone, Lauroyl peroxide, Methyl phenyl carbinol, 4-Methylimidazole, 2-Methylpyridine, Mica, Parabens, 2,3-Pentanedione, 1-Pentanethiol, Perchloroethylene, Phenol, Potassium bromate, 1-Propanethiol, sec-Butyl alcohol, Silica (crystalline, respirable), Silver, Subtilisins, Succinic anhydride, Sulfur dioxide, tert-Butyl alcohol, Tetrakis(hydroxymethyl)phosphonium sulfate, Toluene</u>
Food Products Manufacturing (SIC 20xx)	<u>Bakery Products (SIC 205x)</u>	-	<u>Adipic acid, Benzene, Benzenethiol, beta-Myrcene, Formaldehyde, gamma-Butyrolactone, Potassium bromate, Toluene</u>

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<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Beverages (SIC 208x, 2023)</u>	-	<b><u>Acetal, Ammonia, Benzenethiol, beta-Myrcene, Cobalt chloride (hexahydrate), Cobalt [III] oxide, Cyclosiloxanes, D4, Ethyl acetate, Formaldehyde, Formic acid, gamma-Butyrolactone, Manganese, Silica (crystalline, respirable), Sodium fluoride, N-Vinyl-2-pyrrolidone</u></b>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Beverages (SIC 208x, 2023)</u>	<u>Milk (Condensed &amp; Evaporated) (SIC 2023)</u>	<u>Ammonia, Benzene, beta-Propiolactone, Formaldehyde, Toluene</u>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Beverages (SIC 208x, 2023)</u>	<u>Soft Drinks (SIC 2086)</u>	<u>Arsenic, Ethyl acetate, Manganese, Phosphoric acid, Toluene, N-Vinyl-2-pyrrolidone</u>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Canned Foods (SIC 203x)</u>	-	<b><u>Acetic acid</u></b> , <u>Arsenic, Benzene, Formaldehyde, Toluene</u>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Fats &amp; Oils (SIC 207x)</u>	-	<b><u>Benzoyl peroxide, beta-Naphthol, EDC, Hexane, Methylene chloride, Silica (crystalline, respirable), Sodium chlorite</u></b>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Fats &amp; Oils (SIC 207x)</u>	<u>Shortening &amp; Cooking Oils (SIC 2079)</u>	<b><u>n-Butyl alcohol, Nickel, sec-Butyl alcohol, Sodium chlorite, Sodium methoxide, Toluene</u></b>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Fats &amp; Oils (SIC 207x)</u>	<u>Soybean Oil Mills (SIC 2075)</u>	<u>EDC, Sodium chlorite</u>

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Food Products Manufacturing (SIC 20xx)	Flavoring Agents	-	<p><b><u>Acetal, Acetaldehyde, Acetic acid, Acetophenone, Allyl isothiocyanate, Allyl isovalerate, Allyl propyl disulfide, Ammonium chloride, Ammonium sulfate, Benzaldehyde, Benzophenone, beta-Myrcene, n-Butyl alcohol, Caprolactam, Cresols, Crotonaldehyde, Cyclohexanol, Cyclohexanone, Diacetyl, Dimethyl disulfide, Ethyl acrylate, Ethyl mercaptan, Ethyl methacrylate, Ethylene glycol monobutyl ether, Formic acid, Furfural, Furfuryl alcohol, gamma-Butyrolactone, Glutaraldehyde, 2,3-Heptanedione, 1-Heptanethiol, 2,4-Hexadienal, 2,3-Hexanedione, n-Hexanethiol, Hydrochloric acid, Hydrogen sulfide, Isophorone, Isoprene, Isopropyl alcohol, Methyl ethyl ketone, Methyl isopropyl ketone, Methyl methacrylate, Methyl phenyl carbinol, MIBK, 1-Pentanethiol, Phenol, 1-Propanethiol, Propionaldehyde, n-Propyl alcohol, Pyridine, sec-Butyl alcohol, tert-Butyl alcohol</u></b></p>

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Food Products Manufacturing (SIC 20xx)	Food Preparation, Misc (SIC 209x)	-	Acetaldehyde, <b><u>Adipic acid</u></b> , Benzene, Benzidine, <b><u>Benzoyl peroxide</u></b> , <b><u>Calcium oxide</u></b> , Carbon tetrachloride, Chloroform, <b><u>Chloroprene</u></b> , <b><u>Cyclosiloxanes</u></b> , <b><u>D4, D6, Di(2-ethylhexyl) phthalate</u></b> , Dimethyl sulfate, Epichlorohydrin, <b><u>Ethylene glycol</u></b> , ETO, Formaldehyde, <b><u>gamma-Butyrolactone</u></b> , <b><u>Glutaraldehyde</u></b> , <b><u>Glyceraldehyde</u></b> , <b><u>Hydrogen peroxide (&gt;5%)</u></b> , <b><u>Iodine</u></b> , <b><u>Isopropyl alcohol</u></b> , <b><u>Magnesium oxide</u></b> , Maleic anhydride, <b><u>N-Nitrosodi-n-propylamine</u></b> , <b><u>Parabens</u></b> , <b><u>Peracetic acid</u></b> , <b><u>Phosphoric acid</u></b> , <b><u>Potassium bromate</u></b> , <b><u>Silver</u></b> , <b><u>Sulfuric acid</u></b> , <b><u>Titanium dioxide</u></b>
Food Products Manufacturing (SIC 20xx)	Grain Mill Products (SIC 204x)	-	<b><u>Fusarium</u></b> , <b><u>Iron oxide</u></b> , <b><u>All relevant pesticides</u></b>
Food Products Manufacturing (SIC 20xx)	Grain Mill Products (SIC 204x)	Prepared Feeds (SIC 2048)	Acrolein, <b><u>Iodine</u></b> , <b><u>Magnesium oxide</u></b> , Methyl bromide, <b><u>Silica (crystalline, respirable)</u></b>
Food Products Manufacturing (SIC 20xx)	Grain Mill Products (SIC 204x)	Wet Corn Milling (SIC 2046)	Chlorine, Hydrochloric acid
Food Products Manufacturing (SIC 20xx)	Manufactured Ice (SIC 2097)	-	Arsenic, <b><u>Cadmium chloride</u></b>
Food Products Manufacturing (SIC 20xx)	Meat Packing Plants (SIC 2011, 2013)	-	Arsenic, <b><u>Benzenethiol</u></b> , <b><u>beta-Myrcene</u></b> , <b><u>1,2-Dichloroethylene (cis, trans)</u></b> , Formaldehyde, Hydrochloric acid, <b><u>Parabens</u></b> , <b><u>Sodium methoxide</u></b>
Food Products Manufacturing (SIC 20xx)	Meat Packing Plants (SIC 2011, 2013)	Sausages & Other Prepared Meats (SIC 2013)	Acetaldehyde, Ammonia, <b><u>Anthracene oil or paste</u></b> , Arsenic, Chloroform, Formaldehyde, Phenol, 1,1,1-TCA, Toluene

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Food Products Manufacturing (SIC 20xx)	Roasted Coffee (SIC 2095)	-	Acetaldehyde, Acrolein, <b><u>Ethyl acetate</u></b> , Methylene chloride, TCE
Food Products Manufacturing (SIC 20xx)	Seafood, Canned & Cured (SIC 2091)	-	<b><u>Acetaldehyde, Anthracene oil or paste, Arsenic, Hydrogen sulfide, Manganese</u></b>
Food Products Manufacturing (SIC 20xx)	Sugar & Confectionery Products (SIC 206x)	-	<b><u>Disodium cyanodithioimidocarbonate, Ethyl acetate, gamma-Butyrolactone, Hydrochloric acid, Phosphorus pentoxide</u></b>
Food Products Manufacturing (SIC 20xx)	Sugar & Confectionery Products (SIC 206x)	Beet Sugar (SIC 2063)	Beryllium
Food Products Manufacturing (SIC 20xx)	Sugar & Confectionery Products (SIC 206x)	Confectionery Products (SIC 2064)	Benzene, Formaldehyde, <b><u>Parabens, Silica (crystalline, respirable)</u></b> , Toluene
Food Products Manufacturing (SIC 20xx)	Canning - see Canned Food Products, Appendix C-II	-	-
Food Products Manufacturing (SIC 20xx)	Combustion Processes - see Combustion, Appendix C-I	-	-
Food Products Manufacturing (SIC 20xx)	Solvents - see Solvent Use, Appendix C-I	-	-
Food Products Manufacturing (SIC 20xx)	Sterilization - see Other Processes, Appendix C-I	-	-
Food Products Machinery Manufacturing (SIC 3556)	-	-	<b><u>Manganese, Methylene chloride, Perchloroethylene, 1,1,1-TCA, TCE</u></b>
Foundries - see Metal Smelters & Foundries, Appendix C-II	-	-	-
Forestry Services (SIC 0851)	-	-	<b><u>Dioxins, Naphthalene, PAHs and PAH-related compounds, Polychlorinated dibenzofurans</u></b>

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<u>Forestry Services (SIC 0851)</u>	<u>Also see Wood, Appendix C-II</u>	-	-
<u>Fumigation of Agricultural Products - see Agricultural Services, Crop Preparation Services for Market, Appendix C-II</u>	-	-	-
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	-	-	<b><u>Ammonium sulfate, Di-n-propyl isocinchomeronate, Flame retardants, Methylene chloride, Perchloroethylene, Perfluoro and polyfluoro compounds, Styrene and copolymers, TCE</u></b>
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Miscellaneous (SIC 259x)</u>	-	<b><u>Ethyl methacrylate, Lead acetate, Methylene chloride, Phthalic anhydride, TCE, Toluene</u></b>
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Drapery Hardware and Blinds &amp; Shades (SIC 2591)</u>	-	<b><u>Arsenic pentoxide, Benzene, 1,1,1-TCA, Vinyl bromide</u></b>
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Household Furniture (SIC 251x)</u>	-	<b><u>Special-purpose fibers, Vinyl bromide</u></b>
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Household Furniture (SIC 251x)</u>	<u>Mattresses, Foundations, and Convertible Beds (SIC 2515)</u>	<b><u>Flame retardants, Isocyanates, Methylene bis(4-cyclohexylisocyanate), Phthalates, Vinyl bromide</u></b>
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Household Furniture (SIC 251x)</u>	<u>Metal &amp; Other Than Wood (SIC 2514, 2519)</u>	Cresol, TCE, Toluene, <b><u>Vinyl bromide</u></b> , Xylenes
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Household Furniture (SIC 251x)</u>	<u>Wood, Upholstered (SIC 2512)</u>	<b><u>Arsenic, Cadmium, Copper, Flame retardants, Lead, Styrene and copolymers, Toluene, Vinyl bromide, Vinyl chloride</u></b>

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<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Household Furniture (SIC 251x)</u>	<u>Wood, Except Upholstered (SIC 2511)</u>	Ammonia, <b><u>Bis(tributyltin) oxide</u></b> , Methylene chloride, Naphthalene, <b><u>PAHs and PAH-related compounds</u></b> , Styrene and copolymers, 1,1,1-TCA, TCE, Toluene, Xylenes
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Household Furniture (SIC 251x)</u>	<u>Wood, TV &amp; Radio Cabinets (SIC 2517)</u>	<b><u>Bis(tributyltin) oxide</u></b> , Toluene
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Office Furniture (SIC 252x)</u>	-	-
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Office Furniture (SIC 252x)</u>	<u>Other Than Wood (SIC 2522)</u>	Ammonia, <b><u>Arsenic pentoxide</u></b> , Formaldehyde, Methylene chloride, Perchloroethylene, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene, <b><u>Vinyl bromide</u></b> , Xylenes, Zinc oxide
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Office Furniture (SIC 252x)</u>	<u>Wood (SIC 2521)</u>	<b><u>Bis(tributyltin) oxide</u></b> , Formaldehyde, Methylene chloride, Naphthalene, <b><u>PAHs and PAH-related compounds</u></b> , 1,1,1-TCA, TCE, Toluene, Toluene diisocyanates, Xylenes
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Partitions &amp; Fixtures (SIC 254x)</u>	-	-
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Partitions &amp; Fixtures (SIC 254x)</u>	<u>Other Than Wood (SIC 2542)</u>	<b><u>Arsenic pentoxide</u></b> , Methylene chloride, Perchloroethylene, 1,1,1-TCA, TCE, Toluene
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Partitions &amp; Fixtures (SIC 254x)</u>	<u>Wood (SIC 2541)</u>	Ammonia, <b><u>Bis(tributyltin) oxide</u></b> , TCE, Toluene, Toluene diisocyanates
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Public Building &amp; Related Furniture (SIC 2531)</u>	-	Ammonia, <b><u>Arsenic pentoxide</u></b> , Toluene, <b><u>Vinyl bromide</u></b> , Xylenes
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Combustion Process - see Combustion, Appendix C-I</u>	-	-

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<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Metal Working - see Metal, Appendix C-II</u>	-	-
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Upholstery Manufacturing - see Textiles, Appendix C-II</u>	-	-
<u>Furniture &amp; Fixture Manufacturing (SIC 25xx)</u>	<u>Wood Working - see Wood, Appendix C-II</u>	-	-
<u>Furniture Stores (SIC 5712, 7641)</u>	-	-	<u>Ammonia, Ammonium sulfate, Flame retardants, Methylene chloride, 1,1,1-TCA, Toluene</u>
<u>Furniture Stores (SIC 5712, 7641)</u>	<u>Furniture Repair/Reupholstering (SIC 7641)</u>	-	<u>Ammonia, Ammonium sulfate, Lead, Methylene chloride, Perfluoro and polyfluoro compounds, Styrene and copolymers, Toluene, Vinyl bromide, Vinyl chloride, Xylenes</u>
<u>Furniture Stores (SIC 5712, 7641)</u>	<u>Cleaning - see Dry Cleaning, Appendix C-II</u>	-	-
<u>Gas Combustion - see Combustion, Appendix C-I</u>	-	-	-
<u>Gas Stations (SIC 5541)</u>	-	-	<u>Benzene, EDB, EDC, Gasoline vapors, tert-Butyl alcohol, Toluene, Xylenes</u>



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<u>Gas Stations (SIC 5541)</u>	<u>Liquid Storage &amp; Transfer - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-
<u>Gas Stations (SIC 5541)</u>	<u>Vehicle Refueling - see Other Processes, Appendix C-I</u>	-	-
<u>Glass Products - see Clay, Glass &amp; Stone Products, Appendix C-II</u>	-	-	-
<u>Grain Production - see Agricultural Production and Food Products, Appendix C-II</u>	-	-	-
<u>Grain Wholesaling (SIC 5153)</u>	-	-	<u>Ammonia</u>
<u>Grey Iron Foundries - see Metal Smelters &amp; Foundries, Appendix C-II</u>	-	-	-
<u>Hospitals (SIC 806x, 807x)</u>	-	-	-
<u>Hospitals (SIC 806x, 807x)</u>	<u>General Medical &amp; Surgical (SIC 8062)</u>	-	<b><u>beta-Propiolactone, Dimethyl-p-toluidine, EGDMA, ETO, Fluoroxene, Hydrochloric acid, Hydrogen chloride, Hydrogen sulfide, Iodine-131, Iodoform, Methylene bis(4-cyclohexylisocyanate), Peracetic acid, Phenol, Special-purpose fibers, Styrene and copolymers, Tricresyl phosphate, Uranium and compounds</u></b>

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<u>Hospitals (SIC 806x, 807x)</u>	<u>Medical Labs (SIC 8071)</u>	-	<b><u>Acrolein, n-Butyronitrile, Dimethyl sulfate, ETO, Formaldehyde, Hydrochloric acid, p-tert-Butyl toluene</u></b>
<u>Hospitals (SIC 806x, 807x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Hospitals (SIC 806x, 807x)</u>	<u>Medical Instrument Manufacturing - see Instrument Manufacturing, Appendix C-II</u>	-	-
<u>Hospitals (SIC 806x, 807x)</u>	<u>Research - see Research &amp; Development, Appendix C-II</u>	-	-
<u>Hospitals (SIC 806x, 807x)</u>	<u>Sterilizers - see Other Processes, Appendix C-I</u>	-	-
<u>Incineration - see Combustion, Appendix C-I</u>	-	-	-
<u>Industrial Combustion - see Combustion, Appendix C-I</u>	-	-	-
<u>Industrial Wastewater Treatment - see Other Processes, Appendix C-I</u>	-	-	-

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<u>Inorganic Chemical Manufacturing - see Chemical Manufacturing, Inorganic, Appendix C-II</u>	-	-	-
<u>Instruments &amp; Related Products (SIC 38xx)</u>	-	-	<b><u>Beryllium oxide, CFC-113, Flame retardants, 1,1,1-TCA, Toluene</u></b>
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Engineering &amp; Science Instruments (SIC 3826)</u>	-	<b><u>Aluminum oxide, Ammonia, Arsenic, Beryllium, Cadmium, Chromium, Copper, Ethyl cyanoacrylate, Formaldehyde, Hydrogen chloride, Lead, Methyl cyanoacrylate, Methylene chloride, Mineral fibers (asbestos and related), Perchloroethylene, Phenol, 1,1,1-TCA, TCE, Toluene, Zinc</u></b>
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Measuring &amp; Controlling Devices (SIC 382x)</u>	-	<u>Ammonia, <b>EDB</b>, ETO, Mercury, 1,1,2,2-Tetrabromoethane, Toluene</u>
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Measuring &amp; Controlling Devices (SIC 382x)</u>	<u>Environmental Controls (SIC 3822)</u>	<u>Beryllium, Chlorine, Hydrogen chloride, Mercury, TCE</u>
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Measuring &amp; Controlling Devices (SIC 382x)</u>	<u>Process Control Instruments (SIC 3823)</u>	<u>Beryllium, Cadmium, <b>Hafnium and compounds</b>, Hydrogen chloride, 1,1,2,2-Tetrabromoethane, Toluene, Zinc, Zinc oxide</u>
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Measuring &amp; Controlling Devices (SIC 382x)</u>	<u>Electricity Measuring Instruments (SIC 3825)</u>	<u>Beryllium, 1,1,1-TCA, Toluene</u>
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Medical Instruments &amp; Supplies (SIC 384x, 3851)</u>	-	<b><u>Acrylonitrile-butadiene-styrene copolymers, Ammonia, Beryllium, Hydrogen chloride, 2-Mercaptobenzothiazole, Methyl methacrylate, TCE, Toluene</u></b>

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<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Medical Instruments &amp; Supplies (SIC 384x, 3851)</u>	<u>Dental Equipment &amp; Supplies (SIC 3843)</u>	Ammonia, <b><u>Benzoyl peroxide</u></b> , Cadmium, Chlorine, ETO, Formaldehyde, <b><u>Novolac resins</u></b> , Phenol, <b><u>Platinum</u></b> , 1,1,1-TCA, <b><u>Tin</u></b> , Toluene, Zinc, Zinc oxide
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Medical Instruments &amp; Supplies (SIC 384x, 3851)</u>	<u>Ophthalmic Goods (SIC 3851)</u>	<b><u>Acrylamide</u></b> , Ammonia, <b><u>Bisphenol-related chemicals</u></b> , <b><u>Dimethyl phthalate</u></b> , <b><u>Glycidyl methacrylate</u></b> , 1,1,1-TCA, TCE, <b><u>Vinyl acetate</u></b>
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Medical Instruments &amp; Supplies (SIC 384x, 3851)</u>	<u>Surgical &amp; Medical Instruments (SIC 3841)</u>	ETO, Formaldehyde, Perchloroethylene, <b><u>Platinum</u></b> , <b><u>Polychlorinated terphenyls</u></b> , 1,1,1-TCA, TCE, Toluene, Zinc
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Medical Instruments &amp; Supplies (SIC 384x, 3851)</u>	<u>Surgical Appliances &amp; Supplies (SIC 3842)</u>	Ammonia, Chromium, ETO, Formaldehyde, Hydrogen chloride, Lead, <b><u>Methyl methacrylate</u></b> , <b><u>Mineral fibers (asbestos and related)</u></b> , Nickel, 1,1,1-TCA, Toluene, Vinylidene chloride
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Optical Instruments &amp; Lenses (SIC 3827)</u>	-	Acetaldehyde, Formaldehyde, Methylene chloride, 1,1,1-TCA, TCE, Toluene

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<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Photographic Equipment &amp; Supplies (SIC 3861)</u>	-	Acetaldehyde, Acrylonitrile, Ammonia, Arsenic, <b>Barium sulfate</b> , Benzene, <b>Benzenesulfonic acid</b> , Benzidine, <b>Benzidine and its salts</b> , Benzyl chloride, Bis(chloromethyl) ether, <b>n-Butyl alcohol</b> , Cadmium, Carbon tetrachloride, <b>CFC-113</b> , Chlorine, Chlorobenzene, Chloroform, Chromium, <b>Di(2-ethylhexyl) phthalate</b> , Dimethyl sulfate, 1,4-Dioxane, EDC, Epichlorohydrin, <b>Ethylene glycol monomethyl ether</b> , <b>Ethylene glycol monomethyl ether acetate</b> , Formaldehyde, Hydrazine, Hydrogen chloride, Lead, Mercury, Methylene chloride, Mineral fibers (asbestos and related), Naphthalene, Nickel, <b>PAHs and PAH-related compounds</b> , Perchloroethylene, Phenol, Phosgene, Propylene oxide, <b>Quinone</b> , <b>Silver</b> , Styrene and copolymers, 1,1,1-TCA, TCE, <b>1,1,1,2-Tetrachloroethane</b> , Toluene, Toluene diisocyanates, <b>Trimethylolpropane triacrylate</b> , Vinyl chloride, Vinylidene chloride, Xylenes, Zinc, Zinc oxide
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Watches/Clocks/Watchcases (SIC 3873)</u>	-	<u>Hydrogen chloride, TCE, Toluene</u>
<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Watches/Clocks/Watchcases</u>	<u>Plating - see Metal Plating, Appendix C-II</u>	-

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<u>Instruments &amp; Related Products (SIC 38xx)</u>	<u>Also see - Combustion, Other Processes, and Solvent Use Appendix C-I; Metal, Plastic, and Rubber, Appendix C-II</u>	-	-
<u>Jewelry, Silverware, &amp; Plated Ware (SIC 391x, 396x)</u>	-	-	<b><u>Isocyanates</u></b>
<u>Jewelry, Silverware, &amp; Plated Ware (SIC 391x, 396x)</u>	<u>Jewelry, Costume (SIC 3961)</u>	-	<b><u>Aluminum, Aluminum oxide, Ammonia, Chlorine, Ethyl cyanoacrylate, Hydrogen chloride, Lead, Methyl cyanoacrylate, Perchloroethylene, Rhodium, Silica (crystalline, respirable), Sulfuric acid, TCE, Toluene</u></b>
<u>Jewelry, Silverware, &amp; Plated Ware (SIC 391x, 396x)</u>	<u>Jewelry, Precious Metal (SIC 3911)</u>	-	<b><u>Aluminum, Ammonia, CFC-113, Ethyl cyanoacrylate, Hydrogen chloride, Lead, Methyl cyanoacrylate, Platinum, Rhodium, Ruthenium, Silica (crystalline, respirable), Silver, Sulfuric acid, 1,1,1-TCA, TCE, Toluene</u></b>
<u>Jewelry, Silverware, &amp; Plated Ware (SIC 391x, 396x)</u>	<u>Jewelers Materials &amp; Lapidary Work (SIC 3915)</u>	-	<u>Ammonia, Hydrogen chloride, Lead</u>
<u>Jewelry, Silverware, &amp; Plated Ware (SIC 391x, 396x)</u>	<u>Silverware &amp; Plated Ware (SIC 3914)</u>	-	<u>Ammonia, Beryllium, Hydrogen chloride, Lead, <b>Silver</b>, TCE</u>
<u>Jewelry, Silverware, &amp; Plated Ware (SIC 391x, 396x)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-

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<u>Landfills (SIC 4953)</u>	<u>Any/all operations, especially gas recovery and open fugitives</u>	-	Benzene, Methylene chloride, <b><u>1-Methylnaphthalene, Methylnaphthalene (mixed)</u></b> , Mineral fibers (asbestos and related), <b><u>PCBs</u></b> , Perchloroethylene, <b><u>Perfluoro and polyfluoro compounds</u></b> , TCE, <b><u>Trimethylamine</u></b> , Vinyl chloride, Vinylidene chloride
<u>Landfills (SIC 4953)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Landfills (SIC 4953)</u>	<u>Fugitives - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-
<u>Laundry, Cleaning, &amp; Garment Services - see Dry Cleaning, Appendix C-II</u>	-	-	-
<u>Leather &amp; Leather Products (SIC 31xx)</u>	-	-	<b><u>Ammonium sulfate, Flame retardants, Leather dust, Methacrylic acid, 2,4,5-Trichlorophenol</u></b>

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<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Leather Tanning &amp; Finishing (SIC 3111)</u>	-	<u>Acetaldehyde, Acetic acid, Arsenic, <b>Arsenic trioxide</b>, Calcium oxide, Chromium, <b>Chromium hexavalent, Chromium (III) Sulfate</b>, Copper, <b>Crotonaldehyde, Cyclohexanol, Dimethyl formamide, Ethyl acrylate</b>, Formaldehyde, <b>Formic acid, Glyceraldehyde, Hydrochloric acid</b>, Lead, <b>Melamine, Mercuric chloride, Methyl acrylate, Methylamine</b>, Naphthalene, 4-Nitrophenol, PAHs and PAH-related compounds, <b>Quinone, Sodium dichromate, Sodium dimethyldithiocarbamate, Tetrakis(hydroxymethyl)phosphonium chloride</b>, Toluene, <b>Vinyl bromide</b></u>
<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Footwear, not rubber (SIC 314x)</u>	-	<u>Toluene</u>
<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Personal Leather Goods (SIC 317x)</u>	-	<u>TCE, Toluene, <b>Vinyl bromide</b></u>
<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Tanning Processes (SIC 3111)</u>	<u>Tanning agents</u>	<u><b>Arsenic trioxide</b>, Chromium, <b>Chromium (III) Sulfate</b>, Cresols, Formaldehyde, 1-Nitronaphthalene, Phenol</u>



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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Dyes, pigments, &amp; coloring agents</u>	-	<u>Anthranilic acid, Arsenic pentoxide, n-Butyl alcohol, Cadmium, Chloroacetic acid, 5-Chloro-o-toluidine and its strong acid salts, Chromium, Chromium hexavalent, Cobalt compounds, Cobalt octoate, Copper, m-Cresidine, p-Cresidine, 2,4-Diaminoanisole, 1,4-Dichloro-2-nitrobenzene, 2,4-Dichlorophenol, 3,3'-Dimethoxybenzidine, 3,3'-Dimethylbenzidine dihydrochloride, 3,3'-Dimethylbenzidine, Direct Black 38, Direct Blue 218, Direct Blue 6, Direct Brown 95, Endrin, Ethylene glycol, Glutaraldehyde, Lead, Lead chromate, meta-Phenylenediamine, Nickel, sec-Butyl alcohol, Sodium dichromate, Uranium and compounds, Zinc compounds</u>
<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Miscellaneous</u>	-	<u>Ammonia, Chlorine, Chlorine dioxide, Chloroform, Cyclohexanol, 1,2-Dichlorobenzene, Glutaraldehyde, Glycol ethers and their acetates, Hexane, Hydrochloric acid, Methylene chloride, Nabam, Perchloroethylene, 2-Phenylphenol, Sodium hydroxide, Sulfuric acid, 1,1,1-TCA, TCE, Toluene, Uranium and compounds, Vinyl bromide, Xylenes</u>
<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-

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<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Liquid Storage and Transfer - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-
<u>Leather &amp; Leather Products (SIC 31xx)</u>	<u>Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Lumber Products Manufacturing - see Wood Product Manufacturing, Appendix C-II</u>	-	-	-

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<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	-	-	<p><b><u>Acetaldehyde, Acrolein, Ammonia, Arsenic, Arsenic pentoxide, Benzene, Beryllium, 1,3-Butadiene, Cadmium, CFC-113, Chromium, Chromium hexavalent, Copper, Dibromoacetonitrile, Diesel engine PM, 1,4-Dioxane, EDC, Ethyl benzene, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Hydrochloric acid, Isocyanates, Isopropyl alcohol, Lead, Manganese, 2-Mercaptobenzothiazole, Methanol, Methyl ethyl ketone, Methylene chloride, Naphthalene, Nickel, PAHs and PAH-related compounds, Perchloroethylene, Phenol, Polychlorinated terphenyls, Silica (crystalline, respirable), Sodium hydroxide, Strontium chromate, Styrene, 1,1,1-TCA, TCE, Toluene, 1,2,4-Trimethylbenzene, Xylenes, Zinc. Any other listed substances</u></b></p>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction &amp; Related Machinery (SIC 353x)</u>	-	<b><u>Copper, Dibromoacetonitrile, Manganese</u></b>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction &amp; Related Machinery (SIC 353x)</u>	<u>Construction Machinery (SIC 3531)</u>	Carbon tetrachloride, <b><u>Dibromoacetonitrile</u></b> , Hydrogen chloride, Perchloroethylene, Toluene
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction &amp; Related Machinery (SIC 353x)</u>	<u>Conveyors &amp; Conveying Equipment (SIC 3535)</u>	<u>Ammonia, TCE, Toluene</u>

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<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction &amp; Related Machinery (SIC 353x)</u>	<u>Elevators &amp; Moving Stairways (SIC 3534)</u>	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction &amp; Related Machinery (SIC 353x)</u>	<u>Hoists, Cranes, &amp; Monorails (SIC 3536)</u>	<u>Ammonia, Cadmium, Copper, Lead, Zinc</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction &amp; Related Machinery (SIC 353x)</u>	<u>Industrial Trucks/Tractors (SIC 3537)</u>	<u>Perchloroethylene, Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction &amp; Related Machinery (SIC 353x)</u>	<u>Oil Field Machinery (SIC 3533)</u>	<u>Chromium, Lead, Nickel, 1,1,1-TCA, Xylenes</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Engines &amp; Turbines (SIC 351x)</u>	-	<b><u>ETBE</u></b>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Engines &amp; Turbines (SIC 3519)</u>	<u>Internal Combustion Engines (SIC 3519)</u>	<u>Ammonia, Benzene, EDB, EDC, Gasoline vapors, Hydrazine, 1,1,1-TCA</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Farm Machinery &amp; Equipment (SIC 3523, 3511)</u>	-	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Farm Machinery &amp; Equipment (SIC 3523, 3511)</u>	<u>Turbines &amp; Turbine Generator Sets (SIC 3511)</u>	<u>Ammonia, Formaldehyde, Hydrogen chloride, Maleic anhydride, Perchloroethylene, Phenol, Styrene and copolymers, 1,1,1-TCA, Toluene, Toluene diisocyanates, Xylenes</u>

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<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	-	<u>Ammonia, Chromium, Copper, Cresol, Epichlorohydrin, Formaldehyde, Hydrogen chloride, Lead, Nickel, Phenol, 1,1,1-TCA, TCE, Toluene, Zinc oxide</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Bell &amp; Roller Bearings (SIC 3562)</u>	<b><u>Cadmium, Copper, Indium and compounds, Naphthalene, PAHs and PAH-related compounds, 1,1,1-TCA, Toluene</u></b>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Blowers &amp; Fans (SIC 3564)</u>	<u>Copper, Gasoline vapors, Lead, 1,1,1-TCA, TCE, Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Compressors, Air &amp; Gas (SIC 3563)</u>	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Industrial Furnaces &amp; Ovens (SIC 3567)</u>	<u>Arsenic, Copper, Hydrogen chloride, Lead, TCE, Toluene, Zinc</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Power Transmission Equipment (SIC 3568)</u>	<u>Ammonia, Copper, Hydrogen chloride, <b>Silver</b></u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Pumps &amp; Pumping Equipment (SIC 3561)</u>	<u>Ammonia, Formaldehyde, Hydrogen chloride, Lead, Perchloroethylene, Phenol, 1,1,1-TCA, Toluene, Xylenes</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Speed Changers, Drives &amp; Gears (SIC 3566)</u>	<u>Perchloroethylene, 1,1,1-TCA, Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	-	<u>Arsenic, <b>Cadmium, Dibromoacetonitrile</b>, Perchloroethylene</u>

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<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Industrial Patterns (SIC 3543)</u>	<u>Dibromoacetonitrile</u> , Formaldehyde, Phenol
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Machine Tool Accessories (SIC 3545)</u>	Ammonia, Beryllium, Chromium, <b><u>Dibromoacetonitrile</u></b> , Hydrogen chloride, 1,1,1-TCA, TCE, Toluene
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Machine Tools, Metal Cutting Types (SIC 3541)</u>	Ammonia, <b><u>Dibromoacetonitrile</u></b> , Lead, <b><u>Silicon carbide whiskers</u></b> , TCE, Toluene
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Machine Tools, Metal Forming Types (SIC 3542)</u>	Ammonia, Benzene, <b><u>Dibromoacetonitrile</u></b> , Lead, Perchloroethylene, 1,1,1-TCA, TCE, Toluene
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Rolling Mill Machinery (SIC 3547)</u>	Cadmium, Chromium, <b><u>Dibromoacetonitrile</u></b> , Zinc, Zinc oxide
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Special Dyes, Tools, Jigs, &amp; Fixtures (SIC 3544)</u>	<b><u>Dibromoacetonitrile</u></b> , 1,4-Dichlorobenzene, Formaldehyde, Hydrogen chloride, Methylene chloride, Naphthalene, <b><u>PAHs and PAH-related compounds</u></b> , 1,1,1-TCA, TCE, Toluene, Zinc
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office &amp; Computing Machines (SIC 357x)</u>	-	-
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office &amp; Computing Machines (SIC 357x)</u>	<u>Miscellaneous (SIC 3579)</u>	CFC-113, Hydrogen chloride, 1,1,1-TCA, Toluene
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office &amp; Computing Machines (SIC 357x)</u>	<u>Calculating &amp; Accounting Machines (SIC 3578)</u>	Arsenic, Hydrogen chloride, 1,1,1-TCA

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<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office &amp; Computing Machines (SIC 357x)</u>	<u>Electronic &amp; Computing Equipment (SIC 3571-3577)</u>	<u>Ammonia, Arsenic, Benzene, Benzidine, <b>Benzidine and its salts</b>, Benzo[a]pyrene, Bis(chloromethyl) ether, CFC-113, Chlorine, Chloroform, Chromium, Copper, <b>Glycol ethers and their acetates</b>, Hydrogen chloride, Hydrogen sulfide, Lead, Methylene chloride, Mineral fibers (asbestos and related), Naphthalene, Nickel, Nitrobenzene, <b>PAHs and PAH-related compounds</b>, Perchloroethylene, Phenol, 1,1,1-TCA, TCE, Toluene, Vinyl chloride, Zinc</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office &amp; Computing Machines (SIC 357x)</u>	<u>Electronic &amp; Computing Equipment -- Also see Electrical &amp; Electronic Equipment, Appendix C-II</u>	-
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office &amp; Computing Machines (SIC 357x)</u>	<u>Typewriters (SIC 3579)</u>	<u>Ammonia, Benzene, Beryllium, Cadmium, Formaldehyde, Hydrogen chloride, Lead, Nickel, Toluene, Xylenes</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration &amp; Service Machinery (SIC 358x)</u>	-	-
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration &amp; Service Machinery (SIC 358x)</u>	<u>Automatic Merchandising Machines (SIC 3581)</u>	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration &amp; Service Machinery (SIC 358x)</u>	<u>Commercial Laundry Equipment (SIC 3582)</u>	<u>Arsenic, Perchloroethylene, Toluene</u>

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<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration &amp; Service Machinery (SIC 358x)</u>	<u>Measuring &amp; Dispensing Pumps (SIC 3586)</u>	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration &amp; Service Machinery (SIC 358x)</u>	<u>Refrigeration &amp; Heating Equipment (SIC 3585)</u>	<u>Ammonia, <b>Bromoethane</b>, CFC-113, <b>Chlorotrifluoromethane</b>, Copper, <b>Dibromochloromethane</b>, <b>Ethylene</b>, <b>Ethylene glycol</b>, <b>Fluorocarbons (Chlorinated)</b>, Formaldehyde, Hydrogen sulfide, Lead, <b>Magnesium oxide</b>, Methylene chloride, Phthalic anhydride, <b>Sulfur dioxide</b>, 1,1,1-TCA, TCE, Toluene, Xylenes, Zinc</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration &amp; Service Machinery (SIC 358x)</u>	<u>Water Filtration &amp; Reverse Osmosis Equipment (SIC 3589)</u>	<b><u>1,4-Dioxane</u></b>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration &amp; Service Machinery (SIC 358x)</u>	<u>Miscellaneous Service Industry Machinery (SIC 3589)</u>	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Special Industry Machinery (SIC 355x)</u>	-	<u>Ammonia, Arsenic, Benzene, Chromium, Copper, Lead, Methylene chloride, Perchloroethylene, 1,1,1-TCA, TCE, <b>1,1,2,2-Tetrabromoethane</b>, Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Special Industry Machinery (SIC 355x)</u>	<u>Food Products Machinery (SIC 3556)</u>	<u>Arsenic</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Special Industry Machinery (SIC 355x)</u>	<u>Paper Industry Machinery (SIC 3554)</u>	<u>Ammonia, Perchloroethylene, TCE, Toluene</u>



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<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Special Industry Machinery (SIC 355x)</u>	<u>Printing Trades Machinery (SIC 3555)</u>	<u>Ammonia, Chromium, Lead, Methylene chloride, 1,1,1-TCA, Toluene, Toluene diisocyanates, Zinc oxide</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Special Industry Machinery (SIC 355x)</u>	<u>Textile Machinery (SIC 3552)</u>	<u>TCE, Toluene, Xylenes</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Special Industry Machinery (SIC 355x)</u>	<u>Woodworking Machinery (SIC 3553)</u>	<u>Chlorine, Hydrogen chloride, Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metal Forming - see Machining Manufacturing and Metal Forming, Appendix C-II</u>	-	-
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Surface Coating/Degreasing - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Machining - see Metal Forming, Metal Products Fabrication, and Metal Smelting, Appendix C-II</u>	-	-	-
<u>Magazine (Periodical) Publishing - see Printing &amp; Publishing, Appendix C-II</u>	-	-	-

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<u>Manufacturing of Chemicals and Allied Products - see Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Manufacturing of Leather &amp; Leather Products - see Leather &amp; Leather Products, Appendix C-II</u>	-	-	-
<u>Manufacturing of Metal Products - see Metal Product Fabrication, Appendix C-II</u>	-	-	-
<u>Manufacturing of Plastics - see Rubber &amp; Misc Plastics Products and Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Manufacturing of Stone, Clay, Glass, And Concrete Products - see Clay, Glass &amp; Stone Products, Appendix C-II</u>	-	-	-

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<u>Manufacturing of Transportation Equipment</u> - see <u>Transportation Equipment</u> <u>Manufacturing/Repair, Appendix C-II</u>	-	-	-
<u>Manufacturing Industries, Not Elsewhere Classified (SIC 3999)</u>	-	-	<b><u>p-Phenylenediamine, Sodium chlorite</u></b>
<u>Mechanical Assembly Cleaning - see Solvent Use, Degreasing, Appendix C-I</u>	-	-	-
<u>Metal Forming (SIC 34xx)</u>	<u>Aluminum Forming</u>	-	<b><u>Aluminum, Boron oxide</u></b> , Chloroform, Methylene chloride, TCE
<u>Metal Forming (SIC 34xx)</u>	<u>Aluminum Forming</u>	Also see <u>Metal Smelters &amp; Foundries, Secondary Aluminum, Appendix C-II</u>	-
<u>Metal Forming (SIC 34xx)</u>	<u>Machining</u>	-	<b><u>1,1,1-TCA</u></b>
<u>Metal Forming (SIC 34xx)</u>	Also see - <u>Metal Product Fabrication and Metal Smelters, Appendix C-II</u>	-	-
<u>Metal Furniture Manufacturing - see Furniture Manufacturing, Appendix C-II</u>	-	-	-

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<u>Metal Plating (SIC 3471)</u>	<u>Gaseous, aerosol, and particulate releases from any/all operations, especially plating, polishing, anodizing, spraying, grinding, coloring, cleaning, pickling</u>	-	<u>Acrylonitrile, Ammonia, Ammonium chloride, Ammonium sulfate, 1,3-Butadiene, Cadmium, Calcium chromate, CFC-113, Chlorine, Chromium hexavalent, Chromium (III) Sulfate, Chromium trioxide, Chromium trivalent, Cobalt compounds, Copper, Dimethylamine, 1,4-Dioxane, Formaldehyde, Formic acid, Hydrazine, Hydrogen chloride, Hydrogen fluoride, Indium and compounds, Isocyanates, Lead, Mercury, Methylene chloride, Nickel, Nickel compounds, Perchloroethylene, Sodium diamyl sulfosuccinate, Sodium dichromate, Strontium chromate, Styrene and copolymers, Sulfuric acid, 1,1,1-TCA, TCE, Toluene, Toluene sulfonic acids, Zinc</u>
<u>Metal Plating (SIC 3471)</u>	<u>Electrocleaning</u>	<u>Alkaline cleaning agents</u>	<u>Sodium hydroxide</u>
<u>Metal Plating (SIC 3471)</u>	<u>Cleaning/Pickling</u>	<u>Acid cleaning, pickling agents</u>	<u>Chromic acid, Hydrochloric acid</u>
<u>Metal Plating (SIC 3471)</u>	<u>Cleaning/Plating</u>	<u>Chelating agents, solvents</u>	<u>Bis(2-ethylhexyl) adipate, Cyanide compounds (inorganic), Cyclosiloxanes, D5, Hydrazine, Hydrochloric acid, Nitric acid, Nitrilotriacetic acid, sec-Butyl alcohol, Sulfuric acid, tert-Butyl alcohol, Thiourea, Toluene sulfonic acids</u>

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<u>Metal Plating (SIC 3471)</u>	<u>Storage/Handling</u>	<u>Plating/other process bath components and Plating tank, Electric arc furnace</u>	Ammonia, <b><u>Ammonium chloride</u></b> , <b><u>Ammonium sulfate</u></b> , Arsenic, Cadmium, <b><u>Calcium chromate</u></b> , <b><u>Chlorendic acid</u></b> , Chromium, <b><u>Chromium hexavalent</u></b> , <b><u>Chromium trioxide</u></b> , <b><u>Chromium trivalent</u></b> , Copper, <b><u>Flame retardants</u></b> , <b><u>Hydrochloric acid</u></b> , <b><u>Indium and compounds</u></b> , Lead, <b><u>2-Mercaptobenzothiazole</u></b> , Nickel, Selenium, <b><u>Sodium dichromate</u></b> , Sodium hydroxide, <b><u>Strontium chromate</u></b> , Zinc
<u>Metal Plating (SIC 3471)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Metal Plating (SIC 3471)</u>	<u>Degreasing Processes - see Solvent Use, Appendix C-I</u>	-	-
<u>Metal Plating (SIC 3471)</u>	<u>Storage and Handling - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-

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<p><u>Metal Product Fabrication (SIC 34xx)</u></p>	<p>-</p>	<p>-</p>	<p><b><u>Acrolein, Acrylonitrile, Acrylonitrile-butadiene-styrene copolymers, Ammonia, Ammonium sulfate, Arsenic, Benzene, Benzenesulfonic acid, Beryllium, Boron oxide, 1,3-Butadiene, n-Butyl alcohol, Cadmium, Carbon black extracts, Cerium, CFC-113, Chlorinated paraffins, Chlorine, Chloroform, Chromium, Chromium hexavalent, Chromium trioxide, Cobalt chloride (hexahydrate), Cobalt metal with tungsten carbide, Copper, 1,2-Dichloropropane, Diesel engine PM, Di(2-ethylhexyl) phthalate, Dimethyl glutarate, 1,4-Dioxane, EDC, Epichlorohydrin, Ethyl benzene, Ethylene, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Hexane, Hydrazine, Hydrochloric acid, Hydrogen chloride, Hydrogen fluoride, Hydrogen sulfide, Isocyanates, Isopropyl alcohol, Lead, Lead compounds (inorganic), Manganese, Mercury, Methanol, Methyl ethyl ketone, Methylene chloride, MIBK, Naphthalene, Nickel, Nitric acid, N-Nitrosodiethylamine, N-Nitrosodi-n-butylamine, PAHs and PAH-related compounds, Perchloroethylene, Phenol, Phosphoric acid, Polychlorinated terphenyls, Propylene glycol monomethyl ether, Propylene glycol monomethyl ether acetate, sec-Butyl alcohol, Silica (crystalline, respirable), Sodium hydroxide, Strontium chromate, Styrene, Styrene and copolymers, Sulfuric acid, t-Butyl acetate, 1,1,1-TCA, TCE, Terephthalic acid, Tetraethylene glycol, Toluene, Toluene diisocyanates, TRIM VX, 1,2,4-Trimethylbenzene, Xylenes, Zinc, Zinc oxide, Any other listed substances</u></b></p>

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<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cans &amp; Shipping Containers (SIC 341x)</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cans &amp; Shipping Containers (SIC 341x)</u>	<u>Metal Cans (SIC 3411)</u>	<b><u>Aluminum</u></b> , Benzene, <b><u>Bisphenol-related chemicals</u></b> , Lead, Perchloroethylene, 1,1,1-TCA, TCE, <b><u>Tin</u></b> , Toluene, Xylenes
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cans &amp; Shipping Containers (SIC 341x)</u>	<u>Metal Barrels, Drums &amp; Pails (SIC 3412)</u>	Ammonia, Naphthalene, <b><u>PAHs and PAH-related compounds</u></b> , 1,1,1-TCA, Toluene
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools &amp; Hardware (SIC 342x)</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools &amp; Hardware (SIC 342x)</u>	<u>Cutlery (SIC 3421)</u>	<u>Chromium</u> , Lead, TCE, Toluene
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools &amp; Hardware (SIC 342x)</u>	<u>Hand &amp; Edge Tools (SIC 3423)</u>	Ammonia, Chlorine, Chromium, Hydrogen chloride, Methylene chloride, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene, Zinc
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools &amp; Hardware (SIC 342x)</u>	<u>Hand Saws &amp; Saw Blades (SIC 3425)</u>	Copper, Lead, Nickel, TCE, Toluene, Zinc
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools &amp; Hardware (SIC 342x)</u>	<u>Misc Hardware (SIC 3429)</u>	Ammonia, Chlorine, Chromium, Copper, <b><u>Ferrovandium dust</u></b> , Hydrogen chloride, Hydrogen sulfide, Lead, Methylene chloride, Naphthalene, <b><u>PAHs and PAH-related compounds</u></b> , Perchloroethylene, Phenol, 1,1,1-TCA, TCE, Toluene, Zinc, Zinc oxide
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Foil &amp; Leaf (SIC 3497)</u>	-	Ammonia, Copper, Hydrogen chloride, Lead, Perchloroethylene, Zinc, Zinc oxide
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings &amp; Stampings (SIC 346x)</u>	-	<b><u>Calcium oxide</u></b> , <b><u>Uranium and compounds</u></b>

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<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings &amp; Stampings (SIC 346x)</u>	<u>Iron &amp; Steel Forgings (SIC 3462)</u>	<u>Hydrogen sulfide, <b>Magnesium oxide, Manganese, 4,4'-Methylenedianiline (and dichloride)</b></u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings &amp; Stampings (SIC 346x)</u>	<u>Auto Stampings (SIC 3465)</u>	<u>Ammonia, Perchloroethylene, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings &amp; Stampings (SIC 346x)</u>	<u>Crowns &amp; Closures (SIC 3466)</u>	<u>Lead</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings &amp; Stampings (SIC 346x)</u>	<u>Misc Metal Stampings (SIC 3469)</u>	<u>Copper, Perchloroethylene, 1,1,1-TCA, TCE, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Misc Metal Services (SIC 347x)</u>	-	<u><b>Chlorotrifluoromethane, N-Nitrosodiethylamine, N-Nitrosodi-n-butylamine, Toluene</b></u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Misc Metal Services (SIC 347x)</u>	<u>Plating &amp; Polishing (SIC 3471)</u>	<u>Acrolein, Ammonia, Arsenic, Benzene, Cadmium, <b>Calcium chromate</b>, Chloride, Chlorine, Chloroform, Chromium, <b>Chromium hexavalent, Chromium trioxide, Chromium trivalent</b>, Copper, <b>Cyclohexanol, 1,2-Dichlorobenzene</b>, Formaldehyde, Hydrogen chloride, <b>Isocyanates</b>, Lead, Methylene chloride, Nickel, Nitrobenzene, Perchloroethylene, <b>Perfluoro and polyfluoro compounds, Selenium, Silver, Strontium chromate</b>, 1,1,1-TCA, TCE, Toluene, Zinc, Zinc oxide</u>



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<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Misc Metal Services (SIC 347x)</u>	<u>Metal Coating &amp; Allied Services (SIC 3479)</u>	Acetaldehyde, <b><u>Antimony</u></b> , Arsenic, Benzene, Cadmium, <b><u>Calcium chromate</u></b> , Chlorine, <b><u>Chlorotrifluoromethane</u></b> , Chromium, <b><u>Chromium hexavalent</u></b> , <b><u>Chromium trioxide</u></b> , <b><u>Chromium trivalent</u></b> , Copper, <b><u>Decaborane</u></b> , <b><u>Ethylene</u></b> , Formaldehyde, Hydrogen chloride, <b><u>Hydrogen sulfide</u></b> , <b><u>Isocyanates</u></b> , Lead, <b><u>Lead acetate</u></b> , Methylene chloride, Nickel, Perchloroethylene, <b><u>Perfluoro and polyfluoro compounds</u></b> , <b><u>Sodium dichromate</u></b> , <b><u>Strontium chromate</u></b> , 1,1,1-TCA, TCE, <b><u>Tin</u></b> , Toluene, <b><u>Wollastonite</u></b> , Xylenes, <b><u>Yttrium and compounds</u></b> , Zinc, Zinc oxide
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Ordnance &amp; Accessories (SIC 348x)</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Ordnance &amp; Accessories (SIC 348x)</u>	<u>Small Arms Ammunition (SIC 3482)</u>	<b><u>Dinitrotoluenes (mixed isomers)</u></b> , Lead
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Ordnance &amp; Accessories (SIC 348x)</u>	<u>Ammunition, except small arms (SIC 3483)</u>	<b><u>Dinitrotoluenes (mixed isomers)</u></b> , Hydrogen sulfide, TCE, Toluene
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Ordnance &amp; Accessories (SIC 348x)</u>	<u>Small Arms (SIC 3484)</u>	Ammonia, Arsenic, CFC-113, Formaldehyde, Hydrogen chloride, Lead, Phenol, <b><u>Sodium aluminum fluoride</u></b> , Toluene, Zinc oxide
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Plumbing &amp; Heating, except electric (SIC 343x)</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Plumbing &amp; Heating, except electric (SIC 343x)</u>	<u>Metal Sanitary Ware (SIC 3431)</u>	Methylene chloride, Toluene
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Plumbing &amp; Heating, except electric (SIC 343x)</u>	<u>Plumbing Fittings &amp; Brass Goods (SIC 3432)</u>	Ammonia, Cadmium, Formaldehyde, Hydrogen chloride, Phenol, TCE, Toluene, Zinc oxide

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<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Plumbing &amp; Heating, except electric (SIC 343x)</u>	<u>Heating Equipment, except electric (SIC 3433)</u>	<u>Ammonia, Benzene, Chromium, Formaldehyde, Perchloroethylene, Phenol, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Screw Machine Products, Bolts, etc. (SIC 345x)</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Screw Machine Products, Bolts, etc. (SIC 345x)</u>	<u>Screw Machine Products (SIC 3451)</u>	<u>1,1,1-TCA, TCE</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Screw Machine Products, Bolts, etc. (SIC 345x)</u>	<u>Bolts, Nuts, Rivets, &amp; Washers (SIC 3452)</u>	<u>Cadmium, Hydrogen chloride, Methylene chloride, 1,1,1-TCA, TCE, Zinc</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Steel Springs, except wire (SIC 3493)</u>	-	<u>Hydrogen chloride, 1,1,1-TCA, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Structural Metal Product Fabrication (SIC 344x)</u>	-	<u>Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Structural Metal Product Fabrication (SIC 344x)</u>	<u>Structural Metal Fabrication (SIC 3441)</u>	<u>Copper, Toluene, Xylenes, Zinc oxide</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Structural Metal Product Fabrication (SIC 344x)</u>	<u>Metal Doors, Sash &amp; Trim (SIC 3442)</u>	<u>Ammonia, Cadmium, Formaldehyde, Perchloroethylene, 1,1,1-TCA, Toluene, Xylenes, Zinc</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Structural Metal Product Fabrication (SIC 344x)</u>	<u>Fabricated Plate Work, boiler shops (SIC 3443)</u>	<u>Copper, Gasoline vapors, Hydrogen chloride, Lead, Perchloroethylene, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Sheet Metal Work (SIC 3444-3449)</u>	-	<u>Ammonia, Perchloroethylene, 1,1,1-TCA, TCE, Toluene, Toluene diisocyanates</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Sheet Metal Work (SIC 3444-3449)</u>	<u>Architectural Metal Work (SIC 3446)</u>	<u>Ammonia, Copper, Perchloroethylene, 1,1,1-TCA, TCE, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Sheet Metal Work (SIC 3444-3449)</u>	<u>Prefabric Metal Buildings (SIC 3448)</u>	<u>Toluene, Xylenes</u>

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<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Sheet Metal Work (SIC 3444-3449)</u>	<u>Misc Metal Work (SIC 3449)</u>	<u>Ammonia, Benzene, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Valves &amp; Pipefittings (SIC 3494)</u>	-	<u>Copper, Phenol, 1,1,1-TCA, TCE, Toluene, Zinc</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Wire Product Fabrication (SIC 3496)</u>	-	<u>Ammonia, Hydrogen chloride, Nickel, Perchloroethylene, <b>Phthalates</b>, 1,1,1-TCA, Toluene, Vinyl chloride</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Forming - see Metal Forming and Metal Smelters, Appendix C-II</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Surface Coating - see Solvent Use, Appendix C-I</u>	-	-

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	-	-	<u>Acrolein, Ammonia, Arsenic, Benzene, Beryllium, 1,3-Butadiene, Cadmium, Chlorine, Chloroprene, Chromium, Chromium hexavalent, Copper, p-Cresol, Cresols, Cyanide compounds (inorganic), Cyanogen chloride, Dibutyl phosphate, Diesel engine PM, 1,4-Dioxane, Dioxins, Diphenyl thiourea, Fluorocarbons (Chlorinated), Formaldehyde, Formic acid, Furans, Glycol ethers and their acetates, Hexachloroethane, Hydrochloric acid, Hydrogen chloride, Hydrogen fluoride, Hydrogen sulfide, Isocyanates, Lead, Malononitrile, Manganese, Mercury, Methanol, Methyl ethyl ketone, Methylene chloride, Naphthalene, Nickel, PAHs and PAH-related compounds, Perchloroethylene, Phosphorus, Polychlorinated dibenzofurans, Polychlorinated terphenyls, Propargyl alcohol, Silica (crystalline, respirable), Sodium aluminum fluoride, Sodium hydroxide, Sulfur dioxide, Sulfuric acid, 1,1,1-TCA, TCE, Thiourea, Toluene, Uranium and compounds, Xylenes, Zinc, All listed metals, Any other listed substances</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>For non-metals mining - see Mining, Appendix C-II</u>	-	-

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>For any type of metal smelter - see Combustion and Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Primary Aluminum Production (SIC 3334)</u>	<u>Any/all operations, especially Furnace Tapping, Coke Quenching, Furnace Charging, Metal Forming. Gaseous, aerosol, particulate releases including but not limited to: From the calciner, furnace, material crusher/mill, storage &amp; handling, service road, prebake/reduction/soderberg stud cell, Anode bake furnace</u>	<u>Benzene, <b>Boron trichloride</b>, Chloroform, Cresols, Fluorides, Methylene chloride, PAHs and PAH-related compounds, POM, TCE</u>

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Secondary Aluminum (SIC 3341)</u>	<u>Any/all operations, especially Furnace Tapping, Furnace Charging, Metal Casting, Metal Forming, Gaseous, aerosol, particulate releases including but not limited to: From the furnace, and the service road</u>	<u>Boron trichloride, Chloroform, Dioxins, Furans, Methylene chloride, Nickel, Phosphorus pentachloride, Polychlorinated dibenzofurans, TCE</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Beryllium Alloys (SIC 3339, 3369)</u>	<u>Any/all operations, especially Molding, Gaseous, aerosol, particulate releases including but not limited to:</u>	<u>Beryllium</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Primary Cadmium Production (SIC 3339)</u>	<u>Any/all operations, especially Material Preparation, Metal Casting, Mining Operations, Gaseous, aerosol particulate releases including but not limited to: From the furnace, condenser, material storage and handling</u>	<u>Cadmium</u>

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Cadmium-Nickel Battery (SIC 3356, 3691)</u>	Any/all operations, especially Material Preparation. Gaseous, aerosol, particulate releases including but not limited to: From the sintering machine, and material storage and handling	<b><u>Barium chromate, Barium sulfate, Cadmium, Chromium hexavalent, Lead, Nickel</u></b>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Chromite Ore Refining (SIC 3312, 3313, 3399)</u>	Gaseous, aerosol, particulate releases including but not limited to: From dryer, mill, cyclone, storage	<u>Chromium</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Metallurgical Coke (SIC 3312)</u>	Any/all operations, especially Coke Oven Charging/Pushing, Material Preparation, Coke Quenching, Coke Production. Gaseous, aerosol particulate releases including but not limited to: From the coke oven, vessels, material storage and handling, and outdoor storage pile	<u>Acetaldehyde, Ammonia, Arsenic, Benzene, Beryllium, Cadmium, Cresols, Formaldehyde, Hydrogen sulfide, Lead, Manganese, Mercury, Nickel, PAHs and PAH-related compounds, Phenol, POM, Toluene, Xylenes</u>

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Primary Copper Smelting (SIC 3331, 102x)</u>	<u>Any/all operations, especially Converter Charging, Furnace Tapping, Furnace Charging, Material Preparation, Metal Casting, Slag Dumping, Mining Operations, Copper Forming. Gaseous, aerosol, particulate releases including but not limited to: From the converter, furnace, roaster vessel, material storage and handling, outdoor storage pile, service road</u>	<u>Arsenic, Cadmium, Copper, <b>Dioxins</b>, Lead, Mercury, PAHs and PAH-related compounds, Perchloroethylene, <b>Polychlorinated dibenzofurans</b>, POM, Selenium, Zinc</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Secondary Copper Operations (Brass and Bronze Production) (SIC 3341)</u>	<u>Any/all operations, especially Furnace Tapping, Furnace Charging, Metal Casting. Gaseous, aerosol, particulate releases including but not limited to: From the furnace, and service road</u>	<u>Cadmium, Copper, Lead, Manganese, Mercury, PAHs and PAH-related compounds, POM, Selenium, <b>Tin</b>, Zinc</u>



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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Electrometallurgical Products (SIC 3313)</u>	-	<u>Arsenic, Cadmium, Chromium, Copper, Manganese, Nickel</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Ferroalloy Production (SIC 1061, 3312, 3313, 3399)</u>	<u>Any/all operations, especially Furnace Tapping, Furnace Charging, Material Preparation, Metal Casting, Mining (except V), Slag Dumping, Gaseous, aerosol, particulate releases including but not limited to: From material storage &amp; handling, storage pile, furnace, decarburizing vessels</u>	<u>Boron trichloride, Cadmium, Chromium, <b>Chromium (III) Sulfate, Cobalt, Copper, Ferrovandium dust, Hafnium and compounds, Hydrochloric acid, Lead, Manganese, Nickel, PAHs and PAH-related compounds, Phosphorus, POM, Propargyl alcohol, Selenium, Vanadium, Vanadium pentoxide, Yttrium and compounds, Zinc</b></u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Iron &amp; Steel Foundries (SIC 332x)</u>	-	<u><b>Magnesium oxide</b></u>

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Iron and Steel Production (SIC 331x)</u>	<u>Any/all operations, especially Coke Oven Charging/Pushing, Furnace Tapping, Furnace Charging, Material Preparation, Coke Quenching, Slag Dumping, Mining Operations, Drying, Crushing, Sizing, Weighing, Feeding Furnace. Gaseous, aerosol, particulate releases including but not limited to: From the coke oven, cupola, furnace, sintering machine, storage &amp; handling, storage pile, service road</u>	Ammonia, Arsenic, Benzene, Beryllium, <b>Boron trichloride</b> , Cadmium, <b>Calcium oxide</b> , Chlorine, Chromium, Coke oven emissions, Copper, <b>Dioxins</b> , <b>Ferrovandium dust</b> , Formaldehyde, <b>2,4-Hexadienal</b> , Hydrogen chloride, Hydrogen sulfide, Lead, <b>Magnesium oxide</b> , Manganese, Mercury, <b>4,4'-Methylenedianiline (and dichloride)</b> , <b>Molybdenum trioxide</b> , Naphthalene, Nickel, <b>N-Nitrosodiethylamine</b> , <b>N-Nitrosodi-n-butylamine</b> , PAHs and PAH-related compounds, Phenol, <b>Phosphorus</b> , <b>Polychlorinated dibenzofurans</b> , POM, <b>Selenium</b> , TCE, Toluene, <b>Vanadium</b> , Xylenes, <b>Yttrium and compounds</b> , Zinc
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Iron and Steel Production</u>	<u>Also see Combustion (Blast Furnace), Appendix C-I</u>	-

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Gray Iron Foundries (SIC 3321)</u>	<u>Any/all operations, especially Furnace Tapping, Furnace Charging, Converter Charging, Metal Casting, Cupola. Gaseous, aerosol, particulate releases including but not limited to: From the furnace, foundry mold &amp; core decomposition, &amp; service road</u>	<u>Acetaldehyde, Acrolein, Ammonia, Arsenic, Benzene, Beryllium, Cadmium, Chromium, Copper, Formaldehyde, Hydrogen sulfide, Iron, Lead, Manganese, Mercury, Naphthalene, Nickel, PAHs and PAH-related compounds, Phenol, POM, Styrene and copolymers, 1,1,1-TCA, Toluene, Xylenes, Zinc</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Malleable Iron Foundries (SIC 3322)</u>	-	<u>Ammonia, Formaldehyde, Zinc</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Steel Investment Foundries (SIC 3324)</u>	-	<u>Cadmium, Chromium, <b>Polychlorinated terphenyls</b></u>

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Steel Foundries (SIC 3324, 3325)</u>	<u>Any/all operations, especially Converter Charging, Furnace Tapping, Furnace Charging, Metal Casting, Basic Oxygen Process, Miscellaneous, Gaseous, aerosol, particulate releases including but not limited to: From furnace, foundry mold &amp; core decomposition, and service road, From argon oxygen decarburization vessels, coke ovens</u>	<u>Ammonia, Arsenic, Beryllium, <b>Boron trichloride</b>, Cadmium, <b>Calcium oxide</b>, Chromium, Copper, <b>Dioxins</b>, <b>Ferrovanadium dust</b>, <b>2,4-Hexadienal</b>, Hydrogen chloride, Lead, Manganese, <b>Molybdenum trioxide</b>, Naphthalene, Nickel, <b>PAHs and PAH-related compounds</b>, Perchloroethylene, Phenol, <b>Phosphorus</b>, <b>Polychlorinated dibenzofurans</b>, <b>Selenium</b>, Styrene and copolymers, 1,1,1-TCA, Toluene, <b>Vanadium</b>, Xylenes, Zinc</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Cold Finish Steel Shapes (SIC 3316)</u>	-	<u><b>Calcium oxide</b>, Methylene chloride, Toluene</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Steel Pipe &amp; Tubes (SIC 3317)</u>	-	<u>Ammonia, <b>Calcium oxide</b>, <b>Ferrovanadium dust</b>, Perchloroethylene</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Steel Wire &amp; Related Products (SIC 3315)</u>	-	<u>Ammonia, <b>Calcium oxide</b>, Chlorine, Hydrogen chloride, Lead, <b>Nickel</b>, PCBs, Toluene, Zinc</u>

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Primary Lead Smelting (SIC 3339)</u>	<u>Any/all operations, especially Furnace Tapping, Furnace Charging, Material Preparation, Metal Casting, Slag Dumping, Mining Operations. Gaseous, aerosol, particulate releases including but not limited to: From the furnace, sintering machine, material storage and handling, outdoor storage pile, and service road</u>	<u>Antimony, Arsenic, Cadmium, Copper, <b>Dioxins</b>, Lead, Mercury, PAHs and PAH-related compounds, <b>Polychlorinated dibenzofurans</b>, POM, Selenium</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Secondary Lead Smelting (SIC 3341)</u>	<u>Any/all operations, especially Furnace Tapping, Furnace Charging, Metal Casting. Gaseous, aerosol, particulate releases including but not limited to: From the furnace, service road, and outdoor storage pile</u>	<u>Antimony, Arsenic, Lead, Manganese, PAHs and PAH-related compounds, POM, Selenium</u>

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Lead Acid Battery Production (SIC 3356, 3691)</u>	<u>Any/all operations, especially Material Preparation, Metal Casting, Screening, Storage &amp; Handling. Gaseous, aerosol, particulate releases including but not limited to:</u>	<u>Antimony, Arsenic, Barium chromate, Barium sulfate, Cadmium, Chromium hexavalent, Lead, Manganese, Mercury</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Miscellaneous Lead Production (SIC 3339, 3341)</u>	<u>Any/all operations, especially Converter Charging, Material Preparation, Metal Casting. Gaseous, aerosol, particulate releases including but not limited to:</u>	<u>Antimony, Arsenic, Cadmium, Lead</u>

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Manganese Production (SIC 3339, 3341)</u>	<u>Any/all operations, especially Furnace Charging, Furnace Tapping, Material Crusher/Mill, Metal Casting, Slagging, Gaseous, aerosol, particulate releases including but not limited to: From the furnace, material storage &amp; handling, storage pile, slips, casthouse, sinter discharge, windbox &amp; discharge</u>	<u>Manganese, PAHs and PAH-related compounds, POM</u>

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Manganese Production, Synthetic (SIC 3339, 3341)</u>	<u>Any/all operations, especially Roasting, Drying, Grinding, Packaging/Handling, Melting, Refining, Hot Metal Transfer. Gaseous, aerosol, particulate releases including but not limited to: From the furnace, material storage &amp; handling, storage pile, slips, casthouse, sinter discharge, windbox &amp; discharge</u>	<u>Manganese, PAHs and PAH-related compounds, POM</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Dry-Cell Battery Production (SIC 3692)</u>	<u>Any/all operations, especially Material Preparation, Screening, Storage &amp; Handling. Particulate substance releases including but not limited to: From the material crusher/mill and material storage</u>	<u>Barium chromate, Barium sulfate, Chromium hexavalent, Manganese, Mercuric chloride, Mercury, N-Methylpyrrolidone, Zinc</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Dry-Cell Battery Production</u>	<u>Also see Electrical &amp; Electronic Equipment, Appendix C-II</u>	-



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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Mercury Production</u>	<u>Any/all operations, especially Mining, Primary Ore Process, Secondary Production. Particulate releases including but not limited to: From smelter, hoing, retort</u>	<u>Mercury</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Mining of Metals (SIC 10xx)</u>	-	<b><u>Cyanide compounds (inorganic), Dimethyl methylphosphonate, Hexachloroethane, Mercury, Methyl isopropyl ketone, Phosgene, Tri-n-butyl phosphate</u></b>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Nickel Production (SIC 3339, 3341)</u>	<u>Any/all operations, especially Metal Casting, Mining Operations, Refining, Melting/Roasting, Crushing, Drying. Gaseous, aerosol, particulate releases including but not limited to: From the calciner, furnace, material crusher/mill, roaster, material storage &amp; handling, rotary dryers, storage pile, day bin, skip hoists</u>	<u>Arsenic, <b>Biphenyl</b>, Cadmium, Lead, Nickel, PAHs and PAH-related compounds, POM, Selenium, Zinc</u>

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Nonferrous Metal Production (SIC 333x-339x)</u>	<u>Any/all operations, especially Super Alloys, Permanent Magnet Alloys, Electrical Alloys. Gaseous, aerosol, particulate releases including but not limited to:</u>	<b><u>Aluminum, Arsenic, Barium, Chromium (III) Sulfate, Cobalt, Cobalt oxalate, Hafnium and compounds, Hydrochloric acid, Indium and compounds, 2-Methylacetonitrile, Nickel, Rhodium, Ruthenium, Selenium, Silver, Tellurium hexafluoride, Vanadium pentoxide</u></b>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Secondary Processing of Nickel Scrap (SIC 3341)</u>	<u>Gaseous, aerosol, particulate releases including but not limited to:</u>	<u>Nickel, Tellurium hexafluoride</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Radium, Uranium, &amp; Vanadium Mining (SIC 1094)</u>	<u>Gaseous, aerosol, particulate releases including but not limited to:</u>	<u>Ammonia, Chlorine trifluoride, Gasoline vapors, Hydrogen sulfide, Radionuclides</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Steel Foundries - see Metal Smelters, Iron &amp; Steel, Appendix C-II</u>	-	-
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Uranium Production - see Metal Smelters, Radium, Appendix C-II</u>	-	-
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Vanadium Production - see Metal Smelters, Radium, Appendix C-II</u>	-	-

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<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Primary Zinc Smelting (SIC 3339)</u>	<u>Any/all operations, especially Material Preparation, Slag Dumping, Mining Operations. Gaseous, aerosol, particulate releases including but not limited to: From the condenser, furnace, roaster, retort, material storage and handling, outdoor storage pile, and service road</u>	<u>Arsenic, Cadmium, Copper, <b>Dioxins</b>, Mercury, PAHs and PAH-related compounds, <b>Polychlorinated dibenzofurans</b>, POM, Selenium, Zinc</u>
<u>Metal Smelters &amp; Foundries (SIC 33xx, 10xx)</u>	<u>Secondary Zinc Process (SIC 3341)</u>	<u>Any/all operations, especially Furnace Tapping, Furnace Charging, Metal Casting. Gaseous, aerosol, particulate releases including but not limited to: From the furnace, condenser, retort service road, and galvanizing vessel</u>	<u>Cadmium, Mercury, Nickel, Selenium, Zinc</u>
<u>Military Bases (SIC 9711)</u>	-	-	<u><b>Diethylenetriamine, Isocyanates, t-Butyl acetate, Uranium and compounds</b></u>

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<u>Military Bases (SIC 9711)</u>	<u>Chemical Production - see Chemical Manufacturing, Military Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Military Bases (SIC 9711)</u>	<u>Combustion Process - see Combustion, Appendix C-I</u>	-	-
<u>Military Bases (SIC 9711)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Military Bases (SIC 9711)</u>	<u>Research - see Research &amp; Development, Appendix C-II</u>	-	-
<u>Military Bases (SIC 9711)</u>	<u>Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Military Bases (SIC 9711)</u>	<u>Vehicle Refueling - see Other Processes, Appendix C-I</u>	-	-
<u>Millworks - see Wood Product Manufacturing, Appendix C-II</u>	-	-	-
<u>Mining of Metals - see Metal Smelters &amp; Foundries, Appendix C-II</u>	-	-	-

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<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Miscellaneous (SIC 14xx, 1499)</u>	-	<u>Acetaldehyde, Acrolein, Aluminum, Antimony, Arsenic, Arsenic compounds (inorganic), Asbestos, Barium, Benzene, Beryllium, 1,3-Butadiene, Cadmium, Chromium, Chromium hexavalent, Copper, Diesel engine PM, Diesel engine TOG, Ethyl benzene, Formaldehyde, Hydrogen sulfide, Lead, Lead compounds (inorganic), Manganese, Mercury, Methylene chloride, Naphthalene, Nickel, PAHs and PAH-related compounds, Phenanthrene, Phosphorus, Selenium, Silica (crystalline, respirable), Silicon carbide whiskers, 1,2,4-Trimethylbenzene, Zinc, Any other listed substances</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Arsenic Mining (SIC 1479)</u>	-	<u>Arsenic</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Anthracite Mining (SIC 1231)</u>	-	<u>Arsenic, <b>p-Cresol</b>, PAHs and PAH-related compounds, POM, Toluene diisocyanates</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Asbestos (SIC 1499)</u>	-	<u>Mineral fibers (asbestos and related), Silica</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Clay (SIC 145x)</u>	-	<u>Arsenic, Beryllium, Lead, Toluene diisocyanates</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Coal (Bituminous) &amp; Lignite (SIC 122x)</u>	-	<u>Arsenic, <b>Coal dust, Coal tar, p-Cresol</b>, Hydrogen sulfide, <b>o-Phenylenediamine and its salts</b>, Toluene diisocyanates</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Limestone (SIC 1422)</u>	-	<u>Nickel</u>

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<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Minerals, Nonmetallic (SIC 1481)</u>	-	<u>Arsenic, Beryllium, Cadmium, Chromium, Lead, Mineral fibers (asbestos and related), Toluene diisocyanates</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Phosphate Rock (SIC 1475)</u>	-	<u>Radionuclides</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Sand &amp; Gravel (SIC 144x)</u>	-	<u>Crystalline silica, Mineral fibers (asbestos and related)</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Sand &amp; Gravel (SIC 144x)</u>	<u>Construction (SIC 1442)</u>	<u>Vinyl chloride</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Sand &amp; Gravel (SIC 144x)</u>	<u>Industrial (SIC 1446)</u>	<u>Arsenic, Beryllium, Lead, Phenol, Toluene diisocyanates</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Sulfur (SIC 1479)</u>	-	<u>Arsenic, Hydrogen sulfide</u>
<u>Monofilament Fiber Manufacturing (SIC 2823, 3089)</u>	-	-	<b><u>Titanium dioxide</u></b>
<u>Monofilament Fiber Manufacturing (SIC 2823, 3089)</u>	<u>Gaseous and particulate releases including but not limited to: From: polymer and solvent storage, ope preparation (blending), filtration, spin cell, lubrication, drawing, finish application, and drying</u>	-	<b><u>Cyclosiloxanes, D5</u></b>

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Monofilament Fiber Manufacturing (SIC 2823, 3089)	<u>Polymer constituents</u>	-	<u>Acrylonitrile, Carbon disulfide, 2,4-Diaminotoluene, Dibenzofurans, Ethylene, Ethylene glycol, Ferrocene, Hexachloroethane, Hexafluoroacetone, Methyl acrylate, p-Phenylenediamine, Propylene, Terephthalic acid, Vinyl acetate, Vinyl chloride</u>
Monofilament Fiber Manufacturing (SIC 2823, 3089)	<u>Solvents/precipitants</u>	-	<u>Methyl ethyl ketone, Sodium hydroxide, Sulfuric acid, Toluene, Zinc chloride</u>
Monofilament Fiber Manufacturing (SIC 2823, 3089)	<u>Flame retardants</u>	-	<u>Vinyl bromide</u>
Monofilament Fiber Manufacturing (SIC 2823, 3089)	<u>Promoters/activators</u>	-	<u>Hydrazine, Hydroquinone</u>
Monofilament Fiber Manufacturing (SIC 2823, 3089)	<u>Lubricants</u>	-	<u>Adipic acid, Amitrole, Ammonium salts, Calcium oxide, Mica, tert-Amyl methyl ether, Zinc oxide</u>
Monofilament Fiber Manufacturing (SIC 2823, 3089)	<u>Wet Spin, Dry Spin, Filter-tow Dry Spin, Filament Yarn Dry Spin</u>	-	-
Monofilament Fiber Manufacturing (SIC 2823, 3089)	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
Monofilament Fiber Manufacturing (SIC 2823, 3089)	<u>Storage - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-

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<u>Monofilament Fiber Manufacturing (SIC 2823, 3089)</u>	<u>Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Mortuaries - see Crematories, Human and Veterinary, and Funeral Service, Appendix C-II (SIC 7261)</u>	-	-	-
<u>Motor Vehicle Production - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Motorcycle Manufacturing - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Musical Instrument Manufacturing (SIC 3931)</u>	-	-	<b><u>Acrylonitrile-butadiene-styrene copolymers, Isocyanates, Lead, TCE, Tin, Toluene</u></b>
<u>Musical Instrument Manufacturing</u>	<u>Also see - Combustion, Other Processes, and Solvent Use, Appendix C-I; Wood Product Manufacturing, Appendix C-II</u>	-	<b><u>Arsenic, Carbon tetrachloride, CFC-113, Chromium, Dioxin, Hydrazine, Mercury, Methylene chloride, PCBs, Perchloroethylene, Phenol, 1,1,1-TCA, Xylenes</u></b>



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<u>National Defense (SIC 97xx)</u>	-	-	<b><u>p-Aramid fibrils</u></b> , Carbon tetrachloride, CFC-113, Chromium, <b><u>Diethylenetriamine</u></b> , <b><u>1,4-Dioxane</u></b> , Dioxin, Hydrazine, <b><u>Isocyanates</u></b> , Mercury, Methylene chloride, PCBs, Perchloroethylene, Phenol, <b><u>t-Butyl acetate</u></b> , 1,1,1-TCA, <b><u>Uranium and compounds</u></b> , Xylenes
<u>National Defense (SIC 97xx)</u>	<u>Also see Military Bases, Appendix C-II</u>	-	-
<u>National Security (SIC 97xx)</u>	-	-	Ammonia, <b><u>p-Aramid fibrils</u></b> , Benzene, Beryllium, Cadmium, Chlorinated phenols, Chromium, <b><u>Diethylenetriamine</u></b> , <b><u>1,4-Dioxane</u></b> , ETO, Formaldehyde, Gasoline vapors, Hydrogen chloride, Hydrogen sulfide, <b><u>Isocyanates</u></b> , Lead, Manganese, Methylene chloride, Nickel, PAHs and PAH-related compounds, Perchloroethylene, Phenol, POM, Radionuclides, <b><u>t-Butyl acetate</u></b> , 1,1,1-TCA, TCE, Xylenes
<u>Natural Gas Combustion - see Combustion, Appendix C-I</u>	-	-	-
<u>Needle, Pin, &amp; Fastener Manufacturing (SIC 3965)</u>	-	-	<u>Formaldehyde, Hydrogen chloride, Lead, TCE, Toluene, Zinc</u>
<u>Needle, Pin, &amp; Fastener Manufacturing (SIC 3965)</u>	<u>Also see Metal Product Fabrication, Appendix C-II</u>	-	-

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Newspaper Publishing - see Printing & Publishing, Appendix C-II	-	-	-
Nickel Plating - see Metal Plating, Appendix C-II	-	-	-
Office Machine Manufacturing - see Machinery Manufacturing, Appendix C-II	-	-	-
Office Supplies Manufacturing (SIC 395x)	-	-	<b><u>Isocyanates</u></b>
Office Supplies Manufacturing (SIC 395x)	Carbon Paper & Inked Ribbons (SIC 3955)	-	<u>Toluene</u>
Office Supplies Manufacturing (SIC 395x)	Lead Pencils & Art Goods (SIC 3952)	-	<u>Copper, Formaldehyde, <b>Sodium chlorite</b>, Toluene</u>
Office Supplies Manufacturing (SIC 395x)	Marking Devices (SIC 3953)	-	<u>Lead, TCE, Toluene, Zinc</u>
Office Supplies Manufacturing (SIC 395x)	Pens & Mechanical Pencils (SIC 3951)	-	<u>Chlorine, <b>Isocyanates</b>, Methylene chloride, Perchloroethylene, TCE, Toluene</u>
Office Supplies Manufacturing (SIC 395x)	Ink/Dye Manufacturing - see Chemical Manufacturing, Appendix C-II	-	-
Oil Combustion - see Combustion, Appendix C-I	-	-	-

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Oil and Gas Extraction (SIC 13xx)</u>	-	-	<u>Acetaldehyde, Acrolein, Acrylamide, Adipic acid, Ammonia, Ammonium sulfate, Arsenic, Benzene, Benzo[a]pyrene, Benzo[b]fluoranthene, Beryllium, Bromine, 1,3-Butadiene, Cadmium, Carbon tetrachloride, Chlorinated diphenyl oxide, Chlorine, Chromium, Chromium hexavalent, Copper, Dibromoacetonitrile, 1,4-Dichlorobenzene, Diesel engine PM, Diesel engine TOG, Dimethyl disulfide, 7,12-Dimethylbenz[a]anthracene, 1,4-Dioxane, Dipropylene glycol monomethyl ether, Disodium cyanodithioimidocarbonate, EDB, Ethyl benzene, Ethylene glycol, Ethylene glycol monobutyl ether, Ethylene oxide, Formaldehyde, Formic acid, Gasoline vapors, Glutaraldehyde, Glycol ethers and their acetates, Hexane, Hydrochloric acid, Hydrogen sulfide, Isopropyl alcohol, Lead, Manganese, Mercury, Methanol, Naphthalene, Nickel, PAHs and PAH-related compounds, Perchloroethylene, Phenols, Phosphorus, POM, Propylene, Propylene oxide, Radionuclides, Selenium, Sodium hydroxide, Styrene, Sulfur compounds, 1,1,1-TCA, 1,1,2,2-Tetrachloroethane, Thioglycolic acid and salts, Thiourea, Toluene, 1,2,4-Trimethylbenzene, Uranium and compounds, Vinyl chloride, Xylenes, Zinc. Any other listed substances</u>

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<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Drilling Wells (SIC 1381)</u>	-	<b><u>Barium sulfate, Beryllium, Calcium oxide, Dibromoacetonitrile, Hydrogen sulfide, Mica, Tri-n-butyl phosphate</u></b>
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Exploration (SIC 1382)</u>	-	<u>Benzene, Carbon tetrachloride, Chlorobenzene, 1,4-Dichlorobenzene, EDC, Hydrogen sulfide, 1,1,1-TCA, Toluene, Xylenes</u>
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Extraction (SIC 13xx)</u>	-	-
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Extraction (SIC 13xx)</u>	<u>Natural Gas &amp; Crude Petroleum (SIC 1311)</u>	<b><u>Aluminum phosphide, Ammonia, Cyclohexane, Dibromoacetonitrile, Formaldehyde, Gasoline vapors, Glutaraldehyde, Hydrogen sulfide, Thioglycolic acid and salts, Trimethylamine</u></b>
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Extraction (SIC 13xx)</u>	<u>Natural Gas Liquids (SIC 1321)</u>	<u>Ammonia, Hydrogen sulfide</u>
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Field Services (SIC 138x)</u>	-	<b><u>Cobalt sulfide, Gasoline vapors, Hydrogen sulfide, Iodine-131, Methanol, Sodium hydroxide</u></b>
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Gas Stripping Fugitive Losses</u>	<u>Gaseous and aerosol releases From field separator</u>	<u>EDC</u>
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Oil Production Fugitive Losses</u>	<u>Gaseous and aerosol releases from: sumps, wells, well heads, well cellars, pumps, fittings, oil pits, compressors, oil/water separators</u>	<b><u>Dibromoacetonitrile, Diethanolamine</u></b>

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<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Tertiary Oil Production</u>	<u>Gaseous and aerosol releases from: steam drive wells, cyclic wells, pseudo cyclic wells</u>	<b><u>Biphenyl</u></b>
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Heavy Oil Test Stations</u>	<u>Gaseous and aerosol releases From test stations</u>	-
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Oil Storage - see Liquid Storage and Transfer, Appendix C-I</u>	-	-
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Other Processes - see Other Processes &amp; Fugitives, Appendix C-I</u>	-	-
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Solvent Use - see Solvent Use, Appendix C-I</u>	-	-
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Storage &amp; Handling - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-
<u>Organic Chemical Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-

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<u>Paint &amp; Allied Products Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Gaseous/aerosol/particulate releases including but not limited to:</u>	-	<u>Acetaldehyde, Acrolein, Ammonia, Antimony trioxide, Arsenic, Benzene, Beryllium, 1,3-Butadiene, n-Butyl alcohol, Cadmium, Chlorine, Chloroform, Chromium, Chromium hexavalent, Copper, Diesel engine PM, 1,4-Dioxane, EDB, Epichlorohydrin, Ethyl benzene, Flame retardants, Formaldehyde, Hexane, Hydrochloric acid, Hydrogen sulfide, Isopropyl alcohol, Lead, Manganese, Mercury, Methanol, Methyl acrylate, Methylene chloride, Naphthalene, Nickel, PAHs and PAH-related compounds, Perchloroethylene, Polychlorinated dibenzofurans, Sodium fluoride, Sodium hydroxide, Styrene, Sulfur dioxide, 1,1,1-TCA, TCE, Toluene, Xylenes, Zinc. Any other listed substances</u>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>From: Sizing agents</u>	-	<u>Acrylamide, Styrene and copolymers</u>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Wet &amp; dry-strength agents</u>	-	<u>Epichlorohydrin, Formaldehyde</u>

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<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Adhesives</u>	-	<p>Acrylamide, <b><u>Allyl methacrylate</u></b>, Ammonia, <b><u>Diethylene glycol</u></b>, <b><u>Glutaraldehyde</u></b>, <b><u>Methylene bis(4-cyclohexylisocyanate)</u></b>, <b><u>PCBTF</u></b>, <b><u>Phthalates</u></b>, <b><u>Styrene and copolymers</u></b>, <b><u>t-Butyl acetate</u></b>, <b><u>Vinyl acetate</u></b>, <b><u>4-Vinylcyclohexene</u></b>, <b><u>Vinylidene chloride</u></b></p>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Dyes &amp; pigments</u>	-	<p><b><u>Anthranilic acid</u></b>, <b><u>Arsenic pentoxide</u></b>, Benzidine, <b><u>Benzidine and its salts</u></b>, <b><u>Chloroacetic acid</u></b>, <b><u>5-Chloro-o-toluidine and its strong acid salts</u></b>, <b><u>Chromium hexavalent</u></b>, <b><u>Cobalt octoate</u></b>, <b><u>m-Cresidine</u></b>, <b><u>p-Cresidine</u></b>, <b><u>2,4-Diaminoanisole</u></b>, <b><u>3,3'-Dichlorobenzidine dihydrochloride</u></b>, <b><u>1,4-Dichloro-2-nitrobenzene</u></b>, <b><u>2,4-Dichlorophenol</u></b>, <b><u>Diethyl sulfate</u></b>, <b><u>3,3'-Dimethoxybenzidine</u></b>, <b><u>3,3'-Dimethylbenzidine dihydrochloride</u></b>, <b><u>3,3'-Dimethylbenzidine</u></b>, <b><u>Direct Black 38</u></b>, <b><u>Direct Blue 218</u></b>, <b><u>Direct Blue 6</u></b>, <b><u>Direct Brown 95</u></b>, <b><u>Endrin</u></b>, <b><u>Glutaraldehyde</u></b>, <b><u>Hexamethylenetetramine</u></b>, <b><u>Lead</u></b>, <b><u>Sulfuric acid</u></b>, <b><u>o-Tolidine</u></b></p>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Binders</u>	-	<p><b><u>Styrene and copolymers</u></b></p>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Pigment fillers/coatings</u>	-	<p><b><u>Cobalt octoate</u></b>, <b><u>Ethylene</u></b>, <b><u>Methyl acrylate</u></b>, <b><u>Methylene bis(4-cyclohexylisocyanate)</u></b>, <b><u>Mineral fibers (asbestos and related)</u></b>, <b><u>Styrene and copolymers</u></b>, <b><u>Zinc</u></b>, <b><u>Zinc oxide</u></b></p>

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<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Humectants</u>	-	<u>Formaldehyde</u>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Coatings</u>	-	<u>Acrylic acid, Allyl methacrylate, Aluminum oxide, Ammonia, Benzofuran, Bisphenol-related chemicals, Cobalt octoate, Cyclosiloxanes, D4, Ethyl acrylate, 2-Ethylhexyl acrylate, Formaldehyde, Glyoxal, Methyl acrylate, Methylene bis(4-cyclohexylisocyanate), PCBTf, Pentachloronaphthalene, Phthalates, Sodium hydroxide, Wollastonite</u>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Oil-resistant additives</u>	-	<u>Fluorochemical chrome complex</u>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Machine operating aids, Retention aids</u>	-	<u>Epichlorohydrin, Mineral fibers (asbestos and related)</u>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Machine operating aids, Biocides &amp; slime control</u>	-	<u>Acrolein, Dibromoacetonitrile, Pentachloronitrobenzene, Pentachlorophenol, 1,1,1-TCA, Trichlorophenol</u>



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<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Machine operating aids, Miscellaneous</u>	-	-
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Deinking agents</u>	-	<b><u>PCBTF, Sodium hydroxide, N-Vinyl-2-pyrrolidone</u></b>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Bleaching chemicals</u>	-	Ammonia, Chlorine, <b><u>Chlorine dioxide</u></b> , Chloroform, Chromic sulfate, <b><u>Chromium hexavalent, Dioxins, Methanol, Peracetic acid, Polychlorinated dibenzofurans, Sodium dichromate, Sodium hydroxide, tert-Butyl hydroperoxide, Zinc</u></b>
<u>Paper &amp; Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>From chemicals imported in waste paper: ink pigments, coating agents, binders, adhesives</u>	-	Chloroform, <b><u>Ethylene, PCBTF, Phenol, Phthalates</u></b> , Toluene
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Building Paper &amp; Board Mills (SIC 2621, 2679)</u>	-	Ammonia, <b><u>Ammonium sulfate, Carbon disulfide, Disodium cyanodithioimidocarbonate, Magnesium oxide, Methyl acrylate, 2-Methylaziridine, Mica</u></b> , Mineral fibers (asbestos and related), <b><u>Nitrilotriacetic acid</u></b>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Deink Fine &amp; Tissue Paper, Secondary Fiber Mills (SIC 2621)</u>	-	Chloroform, <b><u>Disodium cyanodithioimidocarbonate, 2-Methylaziridine, Tetraethylene glycol</u></b>

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<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Paper Mills Misc (SIC 2621)</u>	-	<p><b><u>Aluminum oxide, Arsenic, Cadmium, Chlorine, Chloroform, Disodium cyanodithioimidocarbonate, Ethyleneimine, Formamide, Glutaraldehyde, Hydrogen sulfide, Methanol, Methyl acrylate, Methyl ethyl ketone, 2-Methylaziridine, Mica, Mineral fibers (asbestos and related), Nitrilotriacetic acid, Silica (crystalline, respirable), Sodium chlorite, Sodium dimethyldithiocarbamate, Sodium hydroxide, Sulfuric acid, TCE, Thiourea, Titanium dioxide, Toluene, Urea-formaldehyde, Vinyl acetate</u></b></p>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers &amp; Boxes Manufacturing (SIC 265x)</u>	-	<b><u>Ammonium sulfate, Di(2-ethylhexyl) phthalate</u></b>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers &amp; Boxes Manufacturing (SIC 265x)</u>	<u>Corrugated &amp; Solid Fiber Box (SIC 2653)</u>	<u>Ammonia, TCE</u>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers &amp; Boxes Manufacturing (SIC 265x)</u>	<u>Folding Box (SIC 2657)</u>	<u>Formaldehyde</u>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers &amp; Boxes Manufacturing (SIC 265x)</u>	<u>Sanitary Food Containers (SIC 2656)</u>	<p><u>Acetaldehyde, Ammonia, <b>Benzofuran, Bisphenol-related chemicals, 2-Chlorophenol, Lanthanum, Lauroyl peroxide, Perfluoro and polyfluoro compounds, 2-Phenylphenol, Phthalates, Sodium diamyl sulfosuccinate, Styrene and copolymers, Toluene, Vinyl acetate, Vinylidene chloride</b></u></p>

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<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers &amp; Boxes Manufacturing (SIC 265x)</u>	<u>Fiber Cans, Drums, etc (SIC 2655)</u>	Ammonia, <b><u>Styrene and copolymers</u></b> , Toluene
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers &amp; Boxes Manufacturing (SIC 265x)</u>	<u>Set-Up Box (SIC 2652)</u>	Toluene
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Mills (SIC 2631)</u>	-	Cadmium, <b><u>Chlorine</u></b> , Chloroform, <b><u>Disodium cyanodithioimidocarbonate</u></b> , Formaldehyde, Toluene
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	-	<b><u>Methyl acrylate</u></b>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	<u>Die-Cut Paper &amp; Board (SIC 2675)</u>	<b><u>Biphenyl</u></b> , <b><u>Methyl acrylate</u></b> , TCE, Toluene
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	<u>Paper Bags (SIC 2673, 2674)</u>	Acetaldehyde, Ammonia, Formaldehyde, Hydrogen chloride, <b><u>Methyl acrylate</u></b> , Methylene chloride, Naphthalene, <b><u>PAHs and PAH-related compounds</u></b> , Perchloroethylene, 1,1,1-TCA, Toluene
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	<u>Pressed &amp; Molded Pulp Goods (SIC 2621, 2679)</u>	<b><u>Calcium oxide</u></b> , <b><u>2,4,6-Trichlorophenol</u></b> , Zinc
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	<u>Miscellaneous (SIC 2679)</u>	Ammonia, <b><u>Barium sulfate</u></b> , Formaldehyde, <b><u>Methanol</u></b> , <b><u>Methyl acrylate</u></b> , Toluene
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	-	<b><u>Acrylamide</u></b> , <b><u>Chlorine</u></b> , <b><u>Cyclosiloxanes</u></b> , <b><u>D6</u></b> , <b><u>Disodium cyanodithioimidocarbonate</u></b> , <b><u>2,4,6-Trichlorophenol</u></b>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Groundwood/Mechanical Pulp Manufacturing</u>	<b><u>Pentachlorophenol</u></b>

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<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Chemical Pulp Manufacturing</u>	<u>Ammonia, Calcium, Carbon, Sodium hydroxide, Sodium sulfate, Sulfur dioxide</u>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Dissolving Pulp</u>	-
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Dissolving Pulp, Kraft or Sulfite</u>	<b><u>Anthraquinone, Chloroform</u></b>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Sulfite Papergrade Pulp</u>	<u>Chloroform</u>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Deink Fine &amp; Tissue Paper</u>	<u>Chloroform, <b>Tetraethylene glycol</b></u>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Pressed &amp; Molded Pulp Goods</u>	<u>Zinc</u>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Miscellaneous</u>	<b><u>Calcium oxide, Chlorine, Chlorine dioxide, Chloroform, Di-isobutyl phthalate, Dioxins, Hydrogen sulfide, Polychlorinated dibenzofurans, 2,4,5-Trichlorophenol</u></b>
<u>Paper &amp; Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Also see - Paperboard, Coarse Paper, Tissue Paper, Appendix C-II</u>	-
<u>Pens &amp; Pencils - see Office Supplies, Appendix C-II</u>	-	-	-
<u>Petroleum Bulk Stations &amp; Terminals (SIC 5171)</u>	-	-	<u>Benzene, Benzyl chloride, Carbon tetrachloride, Chlorine, EDB, EDC, Formaldehyde, Gasoline vapors, Hydrogen chloride, Hydrogen sulfide, <b>Isocyanates, Magnesium oxide</b>, Methyl methacrylate, Styrene and copolymers, Toluene, Xylenes</u>

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<u>Petroleum Bulk Stations &amp; Terminals (SIC 5171)</u>	<u>Also see - Bulk Plants &amp; Terminals, Appendix C-II</u>	-	-
<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	-	-	<p><b><u>Acetaldehyde, Acrolein, Ammonia, Arsenic, Asbestos, Benzene, Benzo[a]pyrene, Benzo[b]fluoranthene, Beryllium, 1,3-Butadiene, Cadmium, Carbon tetrachloride, Chlorine, Chloroform, Chromium, Chromium hexavalent, Chrysene, Copper, Cresols, Cyclosiloxanes, D6, Diesel engine PM, Diethanolamine, EDB, EDC, Ethyl benzene, Ethylene, Formaldehyde, Gasoline vapors, Hydrochloric acid, Hydrocyanic acid, Hydrogen fluoride, Hydrogen sulfide, Lead, Manganese, Mercury, Methanol, Methylene chloride, MTBE, Naphthalene, Nickel, PAHs and PAH-related compounds, Perchloroethylene, Phenanthrene, Phosphorus, Polychlorinated dibenzofurans, Propylene, Selenium, Silica (crystalline, respirable), Sodium hydroxide, 1,1,1-TCA, Toluene, 1,2,4-Trimethylbenzene, Vanadium, Vinyl chloride, Xylenes, Zinc, Zinc oxide. Any other listed substances</u></b></p>
<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	<u>Miscellaneous (SIC 29xx, 2999)</u>	-	<p><b><u>Chromium, Cobalt, Creosotes, Gasoline vapors, Molybdenum trioxide, Naphtha (coal tar), Naphthalene, PAHs and PAH-related compounds, Pentachloroethane, Perchloroethylene, Sulfur dioxide</u></b></p>

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Petroleum & Coal Products (SIC 29xx)	Asphalt Felts & Coatings (SIC 2952)	-	Carbon tetrachloride, Chromium, <b><u>Dibenzofurans, 1,2-Dichlorobenzene, Diethylenetriamine, Ethylene glycol, Formaldehyde, 2-Methylaziridine, 1-Methylnaphthalene, Methylnaphthalene (mixed)</u></b> , Mineral fibers (asbestos and related), PAHs and PAH-related compounds, POM

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<p><u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u></p> <p>Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text</p>
Petroleum & Coal Products (SIC 29xx)	Lubricating Oils & Greases (SIC 2992)	-	<p><b><u>Adipic acid, Benzene, Bis(2-chloroethyl) ether, Bromobenzene, Calcium oxide, Carbazole, Chlorinated diphenyl oxide, 2-Chloronaphthalene, p-Cresol, Decahydronaphthalene, Dibenzofurans, Dibutyl phenyl phosphate, Dibutyl phosphate, 1,2-Dichlorobenzene, Diethylenetriamine, Di(2-ethylhexyl) phthalate, Dimethyl glutarate, Dimethyl hydrogen phosphite, Epichlorohydrin, ETBE, Ethyleneimine, Formaldehyde, Glycol ethers and their acetates, Hexachlorobutadiene, Hydrogen sulfide, Hydroquinone, Isobutyl alcohol, Malononitrile, 4,4'-Methylenedianiline (and dichloride), Methylstyrene, MIBK, Mineral fibers (asbestos and related), Nitrobenzene, N-Nitrosodiethylamine, Pentachloronaphthalene, Perfluoro and polyfluoro compounds, PFOA, 2-Phenylphenol, Phthalates, Phthalonitrile, Propylene oxide, Sodium chlorite, Succinic anhydride, 1,1,1-TCA, TCE, Toluene, Tricresyl phosphate, 2,2,4-Trimethylpentane, Tri-n-butyl phosphate, Triorthocresyl phosphate, Triphenyl phosphate, o-Xylene, Xylenes, Zinc oxide</u></b></p>
Petroleum & Coal Products (SIC 29xx)	Paving & Roofing Materials (SIC 295x)	-	<p><b><u>Mica, Mineral fibers (asbestos and related)</u></b></p>

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<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	<u>Paving &amp; Roofing Materials (SIC 295x)</u>	<u>Paving Mixtures &amp; Blocks (SIC 2951)</u>	<u>Ammonia, Benzene, Benzo[a]pyrene, Chloroform, Chromium, Formaldehyde, <b>Isocyanates</b>, Mercury, Methyl isocyanate, Mineral fibers (asbestos and related), PAHs and PAH-related compounds, <b>Phthalates</b>, POM, 1,1,1-TCA, Toluene</u>



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<p>Petroleum &amp; Coal Products (SIC 29xx)</p>	<p>Petroleum Refineries (SIC 2911)</p>	<p>-</p>	<p><b><u>Ammonium nitrate, Beryllium, Boron trichloride, Bromine pentafluoride, 4-Chlorophenol, Chromium (III) Sulfate, Cobalt sulfide, Creosotes, Cyclosiloxanes, D4, Diethylene glycol, Dimethyl disulfide, 1,4-Dioxane, Ethyl benzene, Ethyleneimine, Ferrocene, Furfural, Heptane, Hexamethylphosphoramide, Hexane, Hydrazine, Hydrogen fluoride, Hydrogen peroxide (&gt;5%), Iron pentacarbonyl, Isobutylene, Lead, Magnesium oxide, Manganese cyclopentadienyl tricarbonyl, Methylamine, 2-Methylaziridine, 2-Methylcyclopentadienyl manganese tricarbonyl, N-Methylpyrrolidone, MHF, Naphtha (coal tar), 1-Nitronaphthalene, 2-Nitropropane, N-Nitrosodiethylamine, N-Nitrosodimethylamine, Oxygen difluoride, Pentaborane, p-Phenylenediamine, Propionitrile, Propylene glycol dinitrate, 1,1,2,2-Tetrabromoethane, Tetraethyllead, Tetramethyllead, Thorium-232 and its decay products, 4-t-Octylphenol</u></b></p>

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<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	<u>Petroleum Refineries</u>	<u>(1)Most Refinery Operations. Gaseous, aerosol, particulate releases including but not limited to: From: boiler, catalytic cracker, flare, incinerator, process heater</u>	<u>Acetaldehyde, Ammonia, Arsenic, Benzene, Benzo[a]pyrene, Beryllium, <b>Biphenyl, Boron trifluoride complexes</b>, Cadmium, Carbon disulfide, Chlorine, Chromium, <b>Chromium hexavalent</b>, Cresol, <b>Cumene</b>, <b>Diethanolamine</b>, Dimethyl sulfate, <b>Dimethylamine</b>, <b>1,2-Diphenylhydrazine</b>, EDB, EDC, <b>ETO</b>, Formaldehyde, Gasoline vapors, Hydrogen chloride, <b>Hydrogen cyanide</b>, Hydrogen sulfide, <b>Isopropyl alcohol</b>, Lead, Maleic anhydride, Mercury, Naphthalene, Nickel, <b>Oleum</b>, PAHs and PAH-related compounds, Phenol, POM, <b>Sodium dichromate</b>, <b>Sulfuric acid</b>, Toluene, Xylenes, Zinc, Zinc oxide</u>
<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	<u>Petroleum Refineries</u>	<u>(2)Crude Separation Gas Production. In addition to item (1): absorber, distillation/fractionation</u>	<u>Ammonia, Chlorides, <b>Cobalt</b>, Cresols, EDC, Maleic anhydride, Michler's ketone, PAHs and PAH-related compounds, Phenols, POM, Sulfur compounds, Zinc</u>
<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	<u>Petroleum Refineries</u>	<u>(3)Light Hydrocarbon Processing. In addition to item (1): catalyst regeneration</u>	<u>Nickel carbonyl</u>

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	<u>Petroleum Refineries</u>	(4)Middle and Heavy Distillate Process. In addition to items (1) and (2): <u>evaporation, stripper</u>	<u>Acetaldehyde, Ammonia, <b>Carbon black extracts, Cobalt</b>, Copper, Cresols, Formaldehyde, Maleic anhydride, <b>2-Methylaziridine</b>, Michler's ketone, Nickel, PAHs and PAH-related compounds, Phenols, POM, <b>Shale oils</b>, Sulfur compounds, Xylenes, Zinc, Any other listed Aromatic amine</u>
<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	<u>Petroleum Refineries</u>	(5)Residual Hydrocarbon Processing. In addition to items (1) and (2): <u>visbreaker furnace, process vent, stripper</u>	<u>Acetaldehyde, Ammonia, Chromates, Cresol, Formaldehyde, Lead, Maleic anhydride, Michler's ketone, Nickel, Nickel carbonyl, PAHs and PAH-related compounds, Phenols, POM, Sulfur compounds, Zinc, Any other listed Aromatic amine</u>
<u>Petroleum &amp; Coal Products (SIC 29xx)</u>	<u>Also see Combustion, Liquid Storage &amp; Transfer, and Other Processes, Appendix C-I: Chemical Manufacturing, and Oil &amp; Gas Extraction, Appendix C-II</u>	-	-
<u>Pharmaceutical Industries - see Chemical Manufacturing, Drugs, Appendix C-II</u>	-	-	<u><b>Arsenic trioxide</b></u>
<u>Photocopying &amp; Blueprinting (SIC 7334)</u>	-	-	<u>Ammonia, <b>Ammonium chloride, Benzenesulfonic acid, n-Butyl alcohol</b></u>

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<u>Photographic Chemicals Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Photographic Studios (SIC 7335)</u>	-	-	<u>Ammonia, Ammonium chloride, n-Butyl alcohol, Cadmium chloride, Chromium hexavalent, Chromium (III) Sulfate, Chromium trioxide, Di(2-ethylhexyl) phthalate, 1,1-Dimethylhydrazine, 2,4-Dinitrophenol, EDC, Hydrochloric acid, Hydrogen cyanide, Mercuric chloride, Methylamine, Uranium and compounds</u>
<u>Photofinishing Labs (SIC 7384)</u>	-	-	<u>Benzenesulfonic acid, n-Butyl alcohol, Cadmium chloride, Chromium hexavalent, Chromium (III) Sulfate, Chromium trioxide, Cresols, 2,4-Dinitrophenol, EDC, Hydroquinone, Mercuric chloride, Methylamine, Methylene chloride, 1,1,1-TCA, Uranium and compounds, Vanadium pentoxide</u>
<u>Pipelines - see Other Processes and Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-	-
<u>Plastic &amp; Synthetics Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Plastic Products Manufacturing (SIC 30xx)</u>	<u>Plastics Forming (SIC 3089)</u>	-	<b><u>Carbon black, Cyclohexanol, Isocyanates, 2-Mercaptobenzothiazole, Methyl ethyl ketone peroxide, Novolac resins, Oxybenzone, 1,1,1-TCA, Tetraethylene glycol, Tributyltin methacrylate</u></b>
<u>Plastic Products Manufacturing (SIC 30xx)</u>	<u>Also see Rubber &amp; Misc Plastics Products, Appendix C-II</u>	-	-
<u>Printing &amp; Publishing (SIC 27xx)</u>	-	-	<b><u>Ammonium chloride, Bisphenol-related chemicals, Cobalt octoate, 1,4-Dioxane, Glycol ethers and their acetates, Iodoform, Isocyanates, Methylene chloride</u></b>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Miscellaneous (SIC 2741)</u>	-	<b><u>Arsenic pentoxide, 2,4-Dichlorophenol, Isocyanates, TCE, Toluene, p-Xylene, Zinc oxide</u></b>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Blankbooks &amp; Bookbinding (SIC 278x)</u>	<u>Blankbooks &amp; Loose leaf Binders (SIC 2782)</u>	<u>Ammonia, 1,1,1-TCA, TCE, Toluene</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Blankbooks &amp; Bookbinding (SIC 278x)</u>	<u>Bookbinding etc (SIC 2789)</u>	<u>Toluene</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Books (SIC 273x)</u>	<u>Printing (SIC 2732)</u>	<b><u>Ammonium chloride, Glycol ethers and their acetates, Lead, 1,1,1-TCA</u></b>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Books (SIC 273x)</u>	<u>Publishing (SIC 2731)</u>	<u>Arsenic, Lead</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Newspapers (SIC 2711)</u>	-	<u>TCE</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing (Commercial) (SIC 275x)</u>	-	<b><u>1,4-Dioxane, Glycol ethers and their acetates, Isocyanates, n-Propyl alcohol, 1,1,1-TCA, Toluene</u></b>

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<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing (Commercial) (SIC 275x)</u>	<u>Engraving &amp; Plate (SIC 2759)</u>	<u>Benzene, n-Propyl alcohol</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing (Commercial) (SIC 275x)</u>	<u>Gravure (SIC 2754)</u>	<u>Ammonia, Benzene, Cadmium, Formaldehyde, Gasoline vapors, Methylene chloride, Nickel, Perchloroethylene, 1,1,1-TCA, TCE, Toluene, Xylenes</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing (Commercial) (SIC 275x)</u>	<u>Letterpress (SIC 2759)</u>	<u>Ammonia, Benzene, Chromium, Methylene chloride, Naphthalene, <b>PAHs and PAH-related compounds</b>, Perchloroethylene, TCE, Toluene</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing (Commercial) (SIC 275x)</u>	<u>Lithographic (SIC 2752)</u>	<u>Ammonia, <b>Barium, Barium sulfate</b>, Benzene, <b>Glycol ethers and their acetates</b>, TCE, <b>Tetramethyl succinonitrile</b>, Toluene</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing Trade Services (SIC 279x)</u>	-	-
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing Trade Services (SIC 279x)</u>	<u>Typesetting (SIC 2791)</u>	<u>Ammonia</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing Trade Services (SIC 279x)</u>	<u>Electrotyping &amp; Stereotyping (SIC 2796)</u>	<u><b>4-Amino-2-nitrophenol, Barium, Barium sulfate, Cadmium chloride, Lead</b></u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Publishing (Misc) (SIC 2741)</u>	-	<u>Toluene</u>
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Ink Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Printing - see Solvent Use, Appendix C-I</u>	-	-

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<u>Printing &amp; Publishing (SIC 27xx)</u>	<u>Surface Coating - see Solvent Use, Appendix C-I</u>	-	-
<u>Process Gas Combustion - see Combustion, Appendix C-I</u>	-	-	-
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	-	-	-
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Miscellaneous</u>	-	<u>Acrylonitrile, Benzene, <b>Bromate, Bromochloroacetic acid, Calcium oxide, Carbon nanotubes,</b> Carbon tetrachloride, CFC-113, Chlorine, Chlorobenzene, <b>3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone,</b> Chloroform, <b>1,4-Dichloro-2-nitrobenzene,</b> EDC, Fluorocarbons, Hydrogen sulfide, Methylene chloride, <b>Nickel compounds,</b> Perchloroethylene, <b>Perfluoro and polyfluoro compounds, Succinic anhydride,</b> 1,1,1-TCA, TCE, Toluene, Vinyl chloride, Vinylidene chloride, Xylenes</u>
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Gaseous products including but not limited to: From raw sewage offgases</u>	-	<u>Carbon tetrachloride, Chlorobenzene, 1,4-Dichlorobenzene, EDC</u>

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<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Combustion</u>	<u>From exhaust gases of digester gas burning engines modified to lower NOx emissions</u>	<u>Acrolein, 1,3-Butadiene</u>
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Sludge Composting</u>	-	<u>Ammonia, Dimethylamine</u>
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>From sawdust used as bulking agent (sawdust from lumber obtained at structural demolition projects)</u>	-	<u>Mineral fibers (asbestos and related)</u>
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Sludge Dewatering (using an aminomethylated polyacrylamide having a dimethylamine group in the polymer)</u>	-	<b><u>3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone</u></b> , Dimethylamine
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Sludge Treatment</u>	-	<b><u>Chlorine, Chloroform, Perfluoro and polyfluoro compounds</u></b>
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Aeration Tanks - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Chlorinator Discharge</u>	-	-



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<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Digesters</u>	-	-
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Headworks</u>	-	-
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Sludge Incinerators - see Combustion, Appendix C-I</u>	-	-
<u>Publicly Owned Treatment Works (POTWs) (SIC 4952)</u>	<u>Water Treatment - see Other Processes, Appendix C-I</u>	-	-
<u>Pulp Mills - see Paper &amp; Allied Products Manufacturing, Appendix C-II</u>	-	-	-
<u>Quarries (SIC 14xx)</u>	<u>Particulate-phase substances including but not limited to:</u>	-	<u>Arsenic, Mineral fibers (asbestos and related), Silica</u>
<u>Railroad Equipment Manufacturing - see Transportation Equip, Appendix C-II</u>	-	-	-
<u>Refractory Production (SIC 3255, 3297)</u>	-	-	<u>Chromium</u>

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<u>Research &amp; Development Labs (SIC 873x)</u>	-	-	<u>Acetic acid, 2-Acetylaminofluorene, 4-Aminobiphenyl, 2-Aminofluorene, Ammonia, Bromochloroacetic acid, Bromodichloromethane, Cadmium, Chloride, Chromium, Copper, delta-9-THC, Dialkylnitrosamines, 1,2-Diamino-4-nitrobenzene, Dibenz[a,h]acridine, Dibenz[a,i]acridine, Dibenz[c,h]acridine, Dibromochloromethane, Diethyl sulfate, 7,12-Dimethylbenz[a]anthracene, 3,7-Dinitrofluoranthene, 3,9-Dinitrofluoranthene, Formaldehyde, 7H-Dibenzo[c,g]carbazole, Heptachlor, Heptane, Hexachloroethane, Hexamethylphosphoramide, Hexane, Hydrochloric acid, Hydrogen chloride, Hydrogen sulfide, Iodine-131, Lead, Malonaldehyde, Manganese, Mercury, 9-Methylanthracene, 3-Methylcholanthrene, Methylene chloride, MOCA, 1-Naphthylthiourea, Nickel, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, PAHs and PAH-related compounds, Perchloroethylene, Phosgene, Phthalic acid, Phthalic anhydride, Radionuclides, Radon and decay products, Styrene and copolymers, Subtilisins, 1,1,1-TCA, TCE, Toluene, 2,4,6-Trichloroaniline, Zinc, Zinc oxide</u>

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<u>Research &amp; Development Labs (SIC 873x)</u>	<u>Commercial Testing Labs (SIC 8734)</u>	-	<b><u>Cadmium chloride, Diphenylamine, Environmental tobacco smoke, Epichlorohydrin, Fluorocarbons (Chlorinated), Hydrochloric acid, Hydrogen sulfide, Lead subacetate</u></b>
<u>Research &amp; Development Labs (SIC 873x)</u>	<u>Chemical Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Research &amp; Development Labs (SIC 873x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Research &amp; Development Labs (SIC 873x)</u>	<u>Other Processes - see Other Processes, Appendix C-I</u>	-	-
<u>Research &amp; Development Labs (SIC 873x)</u>	<u>Solvents - see Solvent Use, Appendix C-I</u>	-	-
<u>Research &amp; Development Labs (SIC 873x)</u>	<u>Storage and Handling - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-
<u>Roadway Surfacing (SIC 1611)</u>	-	-	<u>Benzene, <b>Coal tar</b>, Mineral fibers (asbestos and related)</u>
<u>Rubber Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	-	-	<u>Acetaldehyde, Acrolein, Acrylonitrile, Ammonia, Antimony trioxide, Arsenic, Benzene, Bis(2,3-epoxycyclopentyl) ether, 1,3-Butadiene, Cadmium, Carbon black extracts, Carbon tetrachloride, Chlorine, Chromium hexavalent, Copper, Decaborane, Diesel engine PM, Di(2-ethylhexyl) phthalate, 3,3'-Dimethoxybenzidine, 1,4-Dioxane, EDC, Epoxy resins, Ethyl cyanoacrylate, Flame retardants, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Hydrochloric acid, Isocyanates, Isopropyl alcohol, Lead, Lead phosphate, Manganese, Methanol, Methyl cyanoacrylate, Methyl ethyl ketone, Methyl methacrylate, Methylene chloride, N-Methylpyrrolidone, MIBK, Naphthalene, Nickel, PAHs and PAH-related compounds, PCBTf, Perchloroethylene, Phenol, Propylene glycol monomethyl ether, Propylene glycol monomethyl ether acetate, Propylene oxide, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Styrene and copolymers, t-Butyl acetate, 1,1,1-TCA, TCE, p-tert-Butyl toluene, Toluene, Toluene diisocyanates, Vinyl chloride, Zinc, Zinc oxide, Any other listed substances</u>

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<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	<u>Fabricated Rubber Products (SIC 306x)</u>	-	<b><u>Aluminum diethyl phosphinate</u></b> , Ammonia, <b><u>Antimony</u></b> , <b><u>Barium sulfate</u></b> , Benzene, <b><u>p-Benzquinone dioxime</u></b> , <b><u>Carbazole</u></b> , <b><u>Carbon black</u></b> , Chlorine, <b><u>Chromium hexavalent</u></b> , <b><u>Cyclohexanone</u></b> , <b><u>Ethylidene dichloride</u></b> , ETO, Formaldehyde, <b><u>Hexachlorobenzene</u></b> , <b><u>Hexamethylenetetramine</u></b> , Hydrogen chloride, <b><u>Hydroquinone</u></b> , <b><u>Isobutylene</u></b> , Lead, <b><u>Lead chromate</u></b> , <b><u>Methyl chloride</u></b> , Methylene chloride, <b><u>Mica</u></b> , Naphthalene, <b><u>PAHs and PAH-related compounds</u></b> , Perchloroethylene, <b><u>Pyridine</u></b> , Styrene and copolymers, 1,1,1-TCA, <b><u>Titanium dioxide</u></b> , Toluene, Toluene diisocyanates, <b><u>Tricresyl phosphate</u></b> , <b><u>Vanadium</u></b> , Vinyl chloride, <b><u>Wollastonite</u></b> , <b><u>Zinc</u></b> , <b><u>Zinc oxide</u></b>

<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	<u>Plastics Products, Misc (SIC 308x)</u>	-	<u>Acetaldehyde, Acrolein, Acrylonitrile, Acrylonitrile-butadiene-styrene copolymers, Adipic acid, Aluminum diethyl phosphinate, Ammonia, Ammonium perfluorooctanate, Aniline, Benzene, Benzyl chloride, Beryllium, Bisphenol-related chemicals, Cadmium, Carbon nanotubes, CFC-113, Chloral, Chlorine, Chromium hexavalent, Cobalt, Cumene hydroperoxide, 2,4-Diaminotoluene, 1,2-Dichloroethylene (cis, trans), EDC, Epoxy resins, Ethylene, Ethylidene dichloride, ETO, Formaldehyde, Gasoline vapors, 2,4-Hexadienal, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Lead, Lead chromate, Mercury, Methyl acrylate, Methyl methacrylate, Methylene chloride, 4,4'-Methylenedianiline (and dichloride), Methylstyrene, Mineral fibers (asbestos and related), Naphthalene, 4-Nitrobiphenyl, N-Nitrosodiethylamine, N,N-Dimethylacetamide, PAHs and PAH-related compounds, Paraformaldehyde, PBBs, PCBTf, Phenol, Phenyl ether-biphenyl mixture (vapor), Phthalates, Phthalic anhydride, Propylene, Special-purpose fibers, Styrene and copolymers, Sulfuric acid, 1,1,1-TCA, TCE, tert-Butyl alcohol, Tetraethylene glycol, Titanium dioxide, Toluene, Toluene diisocyanates, Trimethyl phosphite, Tri-n-butyl phosphate, Vinyl chloride, Vinyl chloride-vinyl acetate copolymers, Vinylidene chloride, Vinylidene chloride-vinyl chloride copolymers, Wollastonite, Zinc oxide</u>

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<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	<u>Reclaimed Rubber (SIC 3069)</u>	-	Benzene, Cadmium, <b><u>Chromium hexavalent, 1,2-Diphenylhydrazine, Lead, Lead chromate, Naphthalene, 2-Nitropropane, Oxybenzone, PAHs and PAH-related compounds, Styrene and copolymers, Toluene</u></b>
<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	<u>Rubber &amp; Plastic Footwear (SIC 3021)</u>	-	<b><u>Naphthalene, Nonylphenol ethoxylates, PAHs and PAH-related compounds, Phthalates, 1,1,1-TCA, Toluene</u></b>
<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	<u>Rubber &amp; Plastic Hose/Belting (SIC 3052)</u>	-	<b><u>Carbon black, Perchloroethylene, Phthalates, Toluene</u></b>
<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	<u>Tires &amp; Inner Tubes (SIC 3011)</u>	-	<b><u>Ammonia, p-Aramid fibrils, Benzene, Carbon black, Cobalt octoate, Formaldehyde, Hexane, Isoprene, Methanol, Methylene chloride, Octylphenol, Silica (crystalline, respirable), Styrene and copolymers, 1,1,1-TCA, Toluene, Zinc oxide</u></b>
<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	<u>Rubber Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Rubber &amp; Misc Plastics Products (SIC 30xx)</u>	<u>Surface Coating - see Solvent Use, Appendix C-I</u>	-	-
<u>Rubber Cement Application/Manufacture (SIC 2891)</u>	-	-	<b><u>Bis(2,3-epoxycyclopentyl) ether, n-Butyl alcohol, tert-Butyl alcohol</u></b>

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<u>Rubber Cement Application/Manufacture (SIC 2891)</u>	<u>Application - see Solvent Use, Appendix C-I</u>	-	-
<u>Rubber Cement Application/Manufacture (SIC 2891)</u>	<u>Manufacture - see Solvent Use, Appendix C-I and Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Saw Mills - see Wood Product Manufacturing, Appendix C-II</u>	-	-	-
<u>Scrap and Waste Materials Recycling (SIC 5093)</u>	-	-	-
<u>Semiconductor Manufacturing - see Electronic Equipment Manufacturing, Integrated Circuits, Appendix C-II</u>	-	-	-
<u>Service Establishment Equipment and Supplies (SIC 5087)</u>	-	-	<b><u>Isobutyl methacrylate, 4-Methoxyphenol</u></b>
<u>Sewage Plants - see Combustion (Incineration), Appendix C-I</u>	-	-	-



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<u>Shingle &amp; Siding Manufacturing (SIC 2952)</u>	-	-	<u>Mineral fibers (asbestos and related)</u>
<u>Shingle &amp; Siding Manufacturing (SIC 2952)</u>	<u>Also see Plastics, Appendix C-II</u>	-	-
<u>Sign &amp; Advertisement Display Manufacturing (SIC 3993)</u>	-	-	<u>Ammonia, Beryllium, Hydrogen chloride, Naphthalene, <b>PAHs and PAH-related compounds</b>, Perchloroethylene, 1,1,1-TCA, TCE, Toluene, Zinc</u>
<u>Smelters - see Metal Smelters, Appendix C-II</u>	-	-	-
<u>Solvent Recycling (SIC 7389)</u>	-	-	<u>Benzene, <b>Bis(2-ethylhexyl) adipate</b>, Chlorinated organics, <b>Cyclosiloxanes, D5, sec-Butyl alcohol, tert-Butyl alcohol, 1,1,1,2-Tetrachloroethane</b></u>
<u>Solvent Recycling (SIC 7389)</u>	<u>Also see - Solvent Use, Appendix C-I</u>	-	-
<u>Space Research &amp; Technology (SIC 9661)</u>	-	-	<u><b>Flame retardants</b></u>
<u>Space Research &amp; Technology (SIC 9661)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Space Research &amp; Technology (SIC 9661)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Space Research &amp; Technology (SIC 9661)</u>	<u>Research - see Research &amp; Development, Appendix C-II</u>	-	-

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<u>Space Research &amp; Technology (SIC 9661)</u>	<u>Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Space Research &amp; Technology (SIC 9661)</u>	<u>Vehicle Refueling - see Other Processes, Appendix C-I</u>	-	-
<u>Sporting &amp; Athletic Goods Manufacturing - see Toy &amp; Sporting Good Manufacturing, Sporting &amp; Athletic Goods, Appendix C-II</u>	-	-	-
<u>Sporting &amp; Athletic Goods Manufacturing</u>	<u>Also see Combustion, Solvent Use, and Surface Coating, Appendix C-I; Chemical Manufacturing, Metal Product Manufacturing, Rubber Product Manufacturing, and Textiles Manufacturing, Appendix C-II</u>	-	-
<u>Stone Products Manufacturing - see Clay, Glass &amp; Stone Products, Appendix C-II</u>	-	-	-

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<u>Surface Coating Application/Manufacture</u>	<u>Application - see Solvent Use and Surface Coating, Appendix C-I</u>	-	-
<u>Surface Coating Application/Manufacture</u>	<u>Manufacture - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Surgical &amp; Med Supplies Manufacturing (SIC 384x)</u>	-	-	-
<u>Surgical &amp; Med Supplies Manufacturing (SIC 384x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Surgical &amp; Med Supplies Manufacturing (SIC 384x)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Surgical &amp; Med Supplies Manufacturing (SIC 384x)</u>	<u>Instruments - see Instrument Manufacturing, Appendix C-II</u>	-	-
<u>Surgical &amp; Med Supplies Manufacturing (SIC 384x)</u>	<u>Other Processes - see Other Processes, Appendix C-I</u>	-	-
<u>Surgical &amp; Med Supplies Manufacturing (SIC 384x)</u>	<u>Pharmaceuticals Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Surgical &amp; Med Supplies Manufacturing (SIC 384x)</u>	<u>Sterilization - see Sterilizers, Appendix C-I</u>	-	-

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<u>Surgical &amp; Med Supplies Manufacturing (SIC 384x)</u>	<u>Surface Coating - see Solvent Use, Appendix C-1</u>	-	-
<u>TSDFs - see Transfer, Storage, &amp; Disposal Facilities, Appendix C-II</u>	-	-	-
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	-	-	<b><u>Acetic acid, Ammonium sulfate, Antimony trioxide, Cyclosiloxanes, D4, Dibutyl phosphate, Dimethyl hydrogen phosphite, 1,4-Dioxane, Flame retardants, Glycol ethers and their acetates, Methylene chloride, Phthalates, Styrene oxide, Succinic anhydride, Trimethyl phosphite</u></b>

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<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Miscellaneous (SIC 2299, 2399)</u>	-	Benzene, Benzidine, <b><u>Benzidine and its salts, Bis(2-chloroethyl) ether</u></b> , Bis(chloromethyl) ether, <b><u>Carbon nanotubes, Chlorine dioxide, Cyclohexanol, 2,4-Diaminoanisole</u></b> , 1,4-Dichlorobenzene, Dichloroethane, <b><u>Dimethyl methylphosphonate</u></b> , Dioxane, <b><u>Ethylene glycol, Ethylenediamine, Ethyleneimine, ETO</u></b> , Formaldehyde, <b><u>Glutaraldehyde</u></b> , Hydrazine, <b><u>Hydrochloric acid, Hydrogen peroxide (&gt;5%)</u></b> , Methyl bromide, Mineral fibers (asbestos and related), <b><u>Nitrilotriacetic acid, Nonylphenol ethoxylates, PBBs</u></b> , Perchloroethylene, <b><u>Permethrin</u></b> , Phenol, <b><u>Special-purpose fibers, TCE, Terephthalic acid, Tetrakis(hydroxymethyl)phosphonium sulfate, Urea-formaldehyde, Vinyl acetate, Zinc oxide</u></b>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Apparel/Other Textile Products (SIC 23xx)</u>	-	<u>Ammonia, Arsenic, Chlorine, Di-n-propyl isocinchomeronate, EDC, 1,1,1-TCA, Toluene</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Apparel/Other Textile Products (SIC 23xx)</u>	<u>Fur Goods (SIC 2371)</u>	<u>Ammonia, 2,4-Diaminoanisole, Perchloroethylene</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Apparel/Other Textile Products (SIC 23xx)</u>	<u>Apparel Belts (SIC 2387)</u>	<u>Ammonia, Cadmium, Copper, Toluene, Zinc</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Apparel/Other Textile Products (SIC 23xx)</u>	<u>House Furnishings (SIC 2391, 2392)</u>	<b><u>Flame retardants, Mineral fibers (asbestos and related), Naphthalene, PAHs and PAH-related compounds, Toluene</u></b>

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<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Apparel/Other Textile Products (SIC 23xx)</u>	<u>Auto/Apparel Trimmings (SIC 2396)</u>	<u>Ammonia, Arsenic, Benzene, Toluene, <b>Triphenyl phosphate</b>, Vinyl chloride</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Floor Covering Mills (SIC 2273)</u>	<u>Miscellaneous</u>	<u>Arsenic, <b>Flame retardants, Perfluoro and polyfluoro compounds</b></u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Floor Covering Mills (SIC 2273)</u>	<u>Woven Carpets &amp; Rugs</u>	<u>Arsenic, <b>EDC, Flame retardants, Perfluoro and polyfluoro compounds</b></u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Floor Covering Mills (SIC 2273)</u>	<u>Tufted Carpets &amp; Rugs</u>	<u>Benzene, <b>EDC, Flame retardants</b>, Formaldehyde, <b>Perfluoro and polyfluoro compounds</b></u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Knitting Mills (SIC 225x)</u>	-	<u>Benzene, Benzidine, <b>Benzidine and its salts</b></u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Knitting Mills (SIC 225x)</u>	<u>Hosiery (SIC 2251, 2252)</u>	<u>Acrylonitrile, Benzene</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Knitting Mills (SIC 225x)</u>	<u>Knit Outerwear Mills (SIC 2253)</u>	<u>Ammonia, Arsenic, Benzene, Perchloroethylene</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Narrow Fabric Mills (SIC 2241)</u>	-	<u>Benzene, 1,4-Dioxane, Mineral fibers, <b>Mineral fibers (asbestos and related), Uranium and compounds</b></u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Nonwoven Industry (SIC 2297)</u>	-	<u>Bis(chloromethyl) ether</u>

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<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Textile Finishing (SIC 2231, 226x)</u>	<u>Miscellaneous (SIC 2269)</u>	Acrylonitrile, Benzene, Benzenidine, <b><u>Bis(chloromethyl) ether</u></b> , 1,3-Butadiene, <b><u>Cyclohexanol</u></b> , <b><u>Diethyl sulfate</u></b> , <b><u>Diglycidyl ether</u></b> , <b><u>Flame retardants</u></b> , Formaldehyde, <b><u>Glyoxal</u></b> , <b><u>Hexafluoroacetone</u></b> , Hydrazine, <b><u>Hydrogen peroxide (&gt;5%)</u></b> , <b><u>Methyl acrylate</u></b> , <b><u>N-Methylpyrrolidone</u></b> , <b><u>PBBs</u></b> , Perchloroethylene, <b><u>Phosphorus trichloride</u></b> , <b><u>n-Propyl carbamate</u></b> , <b><u>Sodium chlorite</u></b> , <b><u>Tetrahydrobenzaldehyde</u></b> , <b><u>Tetramethylethylenediamine</u></b> , Thiourea, Toluene, <b><u>Uranium and compounds</u></b> , Vinyl chloride, Vinylidene chloride, Xylenes
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Textile Finishing (SIC 2231, 226x)</u>	<u>Finish Plants (SIC 2231, 226x)</u>	-
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Textile Finishing (SIC 2231, 226x)</u>	<u>Finish Plants, Cotton (SIC 2261)</u>	Acrylonitrile, Benzene, Chromium, 1,4-Dichlorobenzene, <b><u>Dimethyl glutarate</u></b> , <b><u>Methyl acrylate</u></b> , <b><u>n-Propyl carbamate</u></b> , <b><u>Sodium chlorite</u></b> , <b><u>Sodium hydroxide</u></b> , Toluene
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Textile Finishing (SIC 2231, 226x)</u>	<u>Finish Plants, Synthetic (SIC 2262)</u>	Benzene, Copper, 1,4-Dioxane, Formaldehyde, Hydrazine, <b><u>Methyl acrylate</u></b> , Perchloroethylene, <b><u>n-Propyl carbamate</u></b> , <b><u>Sodium chlorite</u></b> , Xylenes
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Weaving Mills (SIC 221x-224x)</u>	-	-

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<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Weaving Mills (SIC 221x-224x)</u>	<u>Cotton (SIC 2211)</u>	<b><u>Acrylic acid</u></b> , <u>Acrylonitrile</u> , <u>Benzene</u> , <u>1,4-Dioxane</u> , <u>EDC</u> , <u>Toluene</u> , <b><u>Urea-formaldehyde</u></b>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Weaving Mills (SIC 221x-224x)</u>	<u>Synthetics (SIC 2221)</u>	<u>Acrylonitrile</u> , <u>Benzene</u> , <u>Chloroform</u> , <u>1,4-Dioxane</u> , <u>EDC</u> , <u>Formaldehyde</u> , <u>Mineral fibers</u> , <b><u>Mineral fibers (asbestos and related)</u></b> , <u>Perchloroethylene</u> , <u>Styrene and copolymers</u> , <u>Toluene diisocyanates</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Weaving Mills (SIC 221x-224x)</u>	<u>Wool (SIC 2231)</u>	<u>Benzene</u> , <u>1,4-Dioxane</u> , <u>Formaldehyde</u> , <u>Perchloroethylene</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Woven Fabric Finishing (SIC 2231, 226x)</u>	-	<b><u>Benzofuran</u></b> , <u>1,4-Dichlorobenzene</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Yarn &amp; Thread Mills (SIC 228x)</u>	-	-
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Yarn &amp; Thread Mills (SIC 228x)</u>	<u>Yarn Mills, not wool (SIC 2281)</u>	<u>Toluene diisocyanates</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Yarn &amp; Thread Mills (SIC 228x)</u>	<u>Throwing &amp; Winding (SIC 2282)</u>	<u>Ammonia</u> , <u>Lead</u> , <u>Toluene diisocyanates</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Yarn &amp; Thread Mills (SIC 228x)</u>	<u>Wool Yarn Mills (SIC 2281)</u>	<u>Arsenic</u>



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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<p>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</p> <p>Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text</p>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Misc Textile Goods (SIC 229x, 2231)</u>	-	-
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Misc Textile Goods (SIC 229x, 2231)</u>	<u>Coated Fabrics, not rubberized (SIC 2295)</u>	<b><u>Acrylic acid, Arsenic, Benzene, Benzofuran, Cresol, Ethyl acrylate, Formaldehyde, Hexafluoroacetone, Hydrogen chloride, Lead, Methyl acrylate, Pentachloronaphthalene, Perchloroethylene, Perfluoro and polyfluoro compounds, PFOS, Pyridine, Special-purpose fibers, Styrene and copolymers, Terephthalic acid, Tetrakis(hydroxymethyl)phosphonium chloride, Tetrakis(hydroxymethyl)phosphonium salts, Tetrakis(hydroxymethyl)phosphonium sulfate, Toluene, Tris(2-methyl-1-aziridinyl)phosphine oxide, Xylenes</u></b>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Misc Textile Goods (SIC 229x, 2231)</u>	<u>Cordage &amp; Twine (SIC 2298)</u>	<b><u>Mineral fibers (asbestos and related), 1,1,1-TCA</u></b>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Misc Textile Goods (SIC 229x, 2231)</u>	<u>Felt goods (SIC 2231, 2299)</u>	<u>Arsenic, 1,1,1-TCA</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Misc Textile Goods (SIC 229x, 2231)</u>	<u>Paddings &amp; Upholstery Filling (SIC 2299, 2392)</u>	<b><u>Benzene, Flame retardants, Mineral fibers (asbestos and related), PBBs, Tetrakis(hydroxymethyl)phosphonium chloride, Trimellitic anhydride, Triphenyl phosphate, Vinyl chloride</u></b>

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<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Misc Textile Goods (SIC 229x, 2231)</u>	<u>Processes Textile Waste (SIC 2299)</u>	<u>Formaldehyde</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Misc Textile Goods (SIC 229x, 2231)</u>	<u>Tire Cord &amp; Fabric (SIC 2296)</u>	<u>Ammonia, Benzene, <b>Benzofuran</b>, Formaldehyde, Mineral fibers (asbestos and related), Perchloroethylene, <b>Terephthalic acid</b></u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Cleaning - see Degreasing, Appendix C-I and Dry Cleaning, Appendix C-II</u>	-	-
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Dyeing - see Chemical Manufacturing and Dyeing of Textiles, Appendix C-II</u>	-	-
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Surface Coating/Solvent Use - see Solvent Use, Appendix C-I</u>	-	-
<u>Tobacco Manufacturing (SIC 21xx)</u>	-	-	<u><b>Anthracene oil or paste, Diethylene glycol, Environmental tobacco smoke, Ethylene, Ethylene glycol, Formaldehyde, 7H-Dibenzo[c,g]carbazole, Methyl ethyl ketone, PAHs and PAH-related compounds</b></u>

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<u>Tobacco Manufacturing (SIC 21xx)</u>	<u>Cigarette Manufacturing (SIC 2111)</u>	-	<b><u>Benzaldehyde</u></b> , Benzene, Chloroform, <b><u>delta-9-THC</u></b> , Formaldehyde, Methylene chloride, <b><u>1-Methylnaphthalene</u></b> , <b><u>Methylnaphthalene (mixed)</u></b> , Perchloroethylene, <b><u>Phthalic anhydride</u></b> , Toluene
<u>Tobacco Manufacturing (SIC 21xx)</u>	<u>Tobacco Stemming &amp; Redrying (SIC 2141)</u>	-	<u>Benzene</u>
<u>Toy &amp; Sporting Good Manufacturing (SIC 394x)</u>	-	-	<b><u>Flame retardants</u></b> , <b><u>Isocyanates</u></b> , <b><u>2-Mercaptobenzothiazole</u></b>
<u>Toy &amp; Sporting Good Manufacturing (SIC 394x)</u>	<u>Dolls (SIC 3942)</u>	-	<u>Acrylonitrile</u> , Toluene
<u>Toy &amp; Sporting Good Manufacturing (SIC 394x)</u>	<u>Games, Toys, &amp; Children's Vehicles (SIC 3944)</u>	-	<b><u>Acrylonitrile-butadiene-styrene copolymers</u></b> , <b><u>Ethylene</u></b> , <b><u>Nonylphenol ethoxylates</u></b> , <b><u>Phthalates</u></b> , Styrene and copolymers, Toluene, <b><u>Triclosan</u></b>
<u>Toy &amp; Sporting Good Manufacturing (SIC 394x)</u>	<u>Sporting &amp; Athletic Goods (SIC 3949)</u>	-	<b><u>Acrylonitrile-butadiene-styrene copolymers</u></b> , <b><u>Carbon nanotubes</u></b> , <b><u>Ethyl cyanoacrylate</u></b> , <b><u>Flame retardants</u></b> , <b><u>Manganese</u></b> , <b><u>Methyl cyanoacrylate</u></b> , Methylene chloride, Perchloroethylene, <b><u>Special-purpose fibers</u></b> , Styrene and copolymers, 1,1,1-TCA, Toluene
<u>Toy &amp; Sporting Good Manufacturing (SIC 394x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Toy &amp; Sporting Good Manufacturing (SIC 394x)</u>	<u>Degreasing/Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-

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<u>Toy &amp; Sporting Good Manufacturing (SIC 394x)</u>	<u>Labeling/Packaging - see Printing and Wood (Paper) Products, Appendix C-II</u>	-	-
<u>Toy &amp; Sporting Good Manufacturing (SIC 394x)</u>	<u>Also see - Metal, Rubber, and Wood Products, Appendix C-II</u>	-	-
<u>Train Manufacturing/Rpf - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Transfer, Storage, &amp; Disposal Facil's (TSDFs) (SIC 4953)</u>	-	-	-
<u>Transfer, Storage, &amp; Disposal Facil's (TSDFs) (SIC 4953)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Transfer, Storage, &amp; Disposal Facil's (TSDFs) (SIC 4953)</u>	<u>Other Processes - see Other Processes, Appendix C-I</u>	-	-
<u>Transfer, Storage, &amp; Disposal Facil's (TSDFs) (SIC 4953)</u>	<u>Solvent Recycling - see Solvent Use, Appendix C-I</u>	-	-
<u>Transfer, Storage, &amp; Disposal Facil's (TSDFs) (SIC 4953)</u>	<u>Storage - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-

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Transportation Equipment Manufacturing/Repair (SIC 37xx, 75xx, 753x, 7699)	-	-	<p><b><u>Acetaldehyde, Acrolein, Acrylonitrile, Allyl chloride, Aluminum, Ammonia, Arsenic, Asbestos, Barium, Barium chromate, Benzene, Beryllium, Beryllium oxide, Bromine, 1,3-Butadiene, n-Butyl alcohol, Cadmium, Carbon black extracts, Carbon nanotubes, Carbon tetrachloride, Chlorine, Chloroform, Chromium, Chromium hexavalent, Copper, Cumene hydroperoxide, 1,2-Dichloropropane, Diesel engine PM, Di(2-ethylhexyl) phthalate, 7,12-Dimethylbenz[a]anthracene, 1,4-Dioxane, EDC, Epichlorohydrin, Epoxy resins, Ethyl benzene, Ethyl methacrylate, Flame retardants, Fluorides and compounds, Fluorocarbons (Chlorinated), Formaldehyde, Gasoline vapors, Glycol ethers and their acetates, Hexane, Hydrazine, Hydrochloric acid, Hydrogen chloride, Hydrogen fluoride, Isocyanates, Isopropyl alcohol, Lead, Lead chromate, Lead compounds (inorganic), Manganese, Mercury, Methanol, Methyl ethyl ketone, Methyl methacrylate, Methylene chloride, 4,4'-Methylenedianiline (and dichloride), MIBK, Naphthalene, Nickel, Nitric acid, PAHs and PAH-related compounds, Perchloroethylene, Phosphoric acid, Phosphorus, Phthalic anhydride, sec-Butyl alcohol, Silica (crystalline, respirable), Sodium hydroxide, Strontium chromate, Styrene, t-Butyl acetate, 1,1,1-TCA, TCE, Thiourea, Toluene, Toluene diisocyanates, 1,2,4-Trimethylbenzene, Vinyl chloride, Xylenes, Zinc, Zinc oxide, Any other listed substances</u></b></p>

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<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto and Truck Manufacturing (SIC 371x, 379x)</u>	-	<b><u>Arsenic, Arsenic pentoxide, Beryllium oxide, Cadmium succinate, ETBE, Isocyanates, t-Butyl acetate, Zinc</u></b>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	-	<b><u>Barium, ETBE, Isocyanates, Methyl ethyl ketone peroxide, N-Methylpyrrolidone, PCBTF, Special-purpose fibers, t-Butyl acetate, tert-Butyl alcohol</u></b>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>General Auto Repair (SIC 7538)</u>	<b><u>Acrylonitrile-butadiene-styrene copolymers, Aluminum, Ammonia, Formaldehyde, Glycol ethers and their acetates, Methanol, Mineral fibers (asbestos and related), 1,1,1-TCA, Tetraethylene glycol, Toluene</u></b>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>Tire Retreading &amp; Repair (SIC 7534)</u>	<b><u>Cobalt octoate, Isoprene, Toluene</u></b>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>Paint Shops (SIC 7532)</u>	<b><u>Aluminum oxide, Arsenic pentoxide, Benzene, Bis(2-chloroethyl) ether, Cadmium succinate, Cobalt octoate, Isocyanates, Manganese, Naphthalene, PAHs and PAH-related compounds, PCBTF, t-Butyl acetate, TCE, Toluene, Xylenes, Zinc, Zinc oxide</u></b>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>Top &amp; Body Repair Shops (SIC 7532)</u>	<b><u>Isocyanates, Naphthalene, PAHs and PAH-related compounds, Special-purpose fibers, t-Butyl acetate, Toluene</u></b>

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<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>Motor Vehicles &amp; Car Bodies (SIC 3711, 7532, 7699)</u>	<u>Acrylonitrile-butadiene-styrene copolymers, Aluminum, Ammonia, Bromobenzene, Cadmium, Chromium, Formaldehyde, Hydrogen chloride, Isocyanates, Lead, Methylene chloride, PBBs, PCBTF, Phenol, Phthalates, Special-purpose fibers, t-Butyl acetate, Toluene, o-Xylene</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>Motor Vehicle Parts &amp; Accessories (SIC 3714)</u>	<u>Acrylic acid, Aluminum, Aluminum oxide, Ammonia, Benzene, Cadmium, Chlorine, Chloroform, Chromium, Copper, Decahydronaphthalene, Ethyl benzene, Ferrovandium dust, Flame retardants, Formaldehyde, Hydrogen chloride, Hydrogen sulfide, Lead, Manganese, Methylene chloride, Mineral fibers (asbestos and related), Naphthalene, PAHs and PAH-related compounds, Palladium, Perchloroethylene, Platinum, Propylene oxide, Rhodium, Sodium azide, 1,1,1-TCA, TCE, Toluene, Toluene diisocyanates, Trimellitic anhydride, o-Xylene, Zinc, Zinc oxide</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>Truck, Camper, Trailer &amp; Bus Bodies (SIC 7532, 7699)</u>	<u>Aluminum, Chromium, Methylene chloride, Nickel, Phthalates, Special-purpose fibers, Styrene and copolymers, t-Butyl acetate, Toluene</u>

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<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Parts Manufacturing (SIC 3714)</u>	-	<b><u>Arsenic, Bromobenzene, Isocyanates, 1,5-Naphthalene diisocyanate, Polychlorinated terphenyls</u></b>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Parts Manufacturing (SIC 3714)</u>	<u>Brake lining Manufacturing</u>	<u>Mineral fibers (asbestos and related)</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Aircraft &amp; Parts (SIC 372x)</u>	-	<b><u>Aluminum, Aluminum diethyl phosphinate, Ammonia, Bis(2-ethylhexyl) adipate, Bromoform, Chromium, Chromium hexavalent, Cobalt, Dibutyl phenyl phosphate, Hydrogen chloride, Hydrogen fluoride, Hydrogen sulfide, Isocyanates, Lead, Magnesium oxide, Methylene chloride, Nickel, Perchloroethylene, Polychlorinated terphenyls, Sodium azide, Strontium chromate, Styrene and copolymers, t-Butyl acetate, 1,1,1-TCA, TCE, Toluene, Tri-n-butyl phosphate, Uranium and compounds, Xylenes, Zinc, Zinc oxide</u></b>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Guided Missiles, Space Vehicles, &amp; Parts (SIC 376x)</u>	-	<b><u>1,1-Dimethylhydrazine, Isocyanates, t-Butyl acetate, Uranium and compounds</u></b>



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<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Guided Missiles, Space Vehicles, &amp; Parts (SIC 376x)</u>	<u>Guided Missiles &amp; Space Vehicles (SIC 3761)</u>	<b><u>Beryllium oxide, Ferrocene</u></b> , Formaldehyde, Hydrazine, <b><u>Isocyanates</u></b> , Perchloroethylene, TCE, Toluene, Xylenes
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Guided Missiles, Space Vehicles, &amp; Parts (SIC 376x)</u>	<u>Space Propulsion Units &amp; Parts (SIC 3764)</u>	<b><u>Carbon disulfide, Ferrocene</u></b> , Hydrazine, <b><u>Isocyanates</u></b> , TCE
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Guided Missiles, Space Vehicles, &amp; Parts (SIC 376x)</u>	<u>Space Vehicle Equipment (SIC 3769)</u>	Ammonia, <b><u>Ferrocene</u></b> , Hydrazine, Hydrogen chloride, <b><u>Isocyanates</u></b> , Lead, Methylene chloride, Toluene
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Motorcycles, Bicycles &amp; Parts (SIC 3751)</u>	-	<b><u>Decahydronaphthalene, Isocyanates</u></b> , Toluene
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Railroad Equipment (SIC 3743)</u>	-	Ammonia, Chromium, Hydrogen chloride, <b><u>Isocyanates</u></b> , Methylene chloride, Nickel, <b><u>Shale oils</u></b> , 1,1,1-TCA, Toluene, Toluene diisocyanates, <b><u>Zinc</u></b>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Ship &amp; Boat Building &amp; Repair (SIC 373x)</u>	-	<b><u>Bromoform, Chromium hexavalent, Flame retardants</u></b> , Hydrazine, <b><u>Isocyanates</u></b> , Methylene chloride, Mineral fibers (asbestos and related), PCBs, Phenol, <b><u>Special-purpose fibers, Strontium chromate</u></b> , Styrene and copolymers, TCE, <b><u>Uranium and compounds</u></b>

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<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Metal Forming - see Machining and Metal Smelters, Appendix C-II</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Military Transport - see Military, Appendix C-II</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Paint Preparation - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Research - see Research &amp; Development, Appendix C-II</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Space Transport - see Space Research &amp; Technology, Appendix C-II</u>	-	-

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<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Storage &amp; Handling - see Liquid Storage &amp; Transfer, Appendix C-I</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Surface Coating/Touch-up - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Upholstery Manufacturing - see Textile Mill Products Manufacturing, Appendix C-II</u>	-	-
<u>Transportation Equipment Sales (SIC 501x, 5088, 55xx)</u>	-	-	<b><u>Isocyanates</u></b>
<u>Transportation Equipment Sales (SIC 501x, 5088, 55xx)</u>	<u>Boat Dealers (SIC 5551)</u>	-	<u>Toluene</u>
<u>Transportation Equipment Sales (SIC 501x, 5088, 55xx)</u>	<u>Used Car Dealers (SIC 5511, 5521)</u>	-	<u>Toluene</u>
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	-	-	-

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<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Airports &amp; Flying Fields (SIC 4581)</u>	-	Benzene, Dioxins, <b><u>Glycol ethers and their acetates, Isocyanates</u></b> , PAHs and PAH-related compounds, <b><u>Polychlorinated dibenzofurans</u></b> , POM, Radionuclides, Toluene
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Inspection &amp; Weighing (SIC 4785)</u>	-	Benzene, Dioxins, PAHs and PAH-related compounds, <b><u>Polychlorinated dibenzofurans</u></b> , POM, Radionuclides, Toluene
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Marine Cargo Handling (SIC 4491)</u>	-	<b><u>p-Aramid fibrils, Cadmium</u></b> , EDC, <b><u>Isocyanates</u></b> , Lead, Methylene chloride, Perchloroethylene, 1,1,1-TCA, TCE, Toluene, Toluene diisocyanates, Xylenes
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Degreasing/Paint Stripping - see Solvent Use, Appendix C-I</u>	-	-
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Electroplating - see Metal Plating, Appendix C-II</u>	-	-
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Refueling - see Other Processes, Appendix C-I</u>	-	-
<u>Truck Manufacturing - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Universities - see Colleges, Appendix C-II</u>	-	-	-

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<u>Varnish Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Water Treatment - see Other Processes, Appendix C-I</u>	-	-	-
<u>Wood Combustion - see Combustion, Appendix C-I</u>	-	-	-

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<u>Industry/Emitting Process level 1</u>	<u>Industry/Emitting Process level 2</u>	<u>Industry/Emitting Process level 3</u>	<u>Some Specific Substances (Gaseous, aerosol, and particulate releases including but not limited to)</u>  Chemicals newly added to Appendix C are shown in <b><u>underline bold</u></b> text
<u>Wood Preservation (SIC 2491)</u>	<u>Gaseous and aerosol releases from: wood preserving agents</u>	-	Arsenic, <b><u>Arsenic acid, Arsenic pentoxide, Arsenic trioxide</u></b> , Benzene, <b><u>Benzo[b]fluoranthene, Bis(tributyltin) oxide, Chlorinated diphenyl oxide</u></b> , Chloroform, <b><u>2-Chloronaphthalene, Chlorophenols, Chlorothalonil</u></b> , Chromium, <b><u>Chromium hexavalent</u></b> , Copper, <b><u>Creosotes</u></b> , Cresols, Dibenzofuran, <b><u>2,4-Dichlorophenol, 2,4-Dinitrophenol</u></b> , Dioxins, Hydrogen chloride, <b><u>Mercuric chloride</u></b> , Naphthalene, <b><u>4-Nitrobiphenyl, PAHs and PAH-related compounds</u></b> , <b><u>Pentachloronaphthalene, Pentachlorophenol, Permethrin</u></b> , Phenol, <b><u>2-Phenylphenol</u></b> , <b><u>Polychlorinated dibenzofurans</u></b> , Shale oils, Sodium dichromate, <b><u>Sodium fluoride, tert-Butyl alcohol, 2,3,4,6-Tetrachlorophenol, Tetrakis(hydroxymethyl)phosphonium sulfate</u></b> , Toluene, <b><u>1,2,4-Trichlorobenzene, 2,4,6-Trichlorophenol, Vinclozolin</u></b> , Zinc, Zinc oxide
<u>Wood Preservation (SIC 2491)</u>	<u>Cellon Process, Chromated Copper Arsenate Process, Dricon Process, Diluent/Creosote Process, Oil/Penta Process</u>	-	-

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Wood Preservation (SIC 2491)	Vapor drying agents	-	<b><u>various solvents</u></b>
Wood Preservation (SIC 2491)	Preserving carriers	-	<b><u>various solvents</u></b>
Wood Preservation (SIC 2491)	Fire retardants	-	<b><u>Flame retardants, Formaldehyde, Zinc chloride</u></b>
Wood Preservation (SIC 2491)	Combustion Processes - see Combustion, Appendix C-I	-	-
Wood Chemicals Manufacturing - see Chemical Manufacturing, Appendix C-II	-	-	-
Wood Products Manufacturing (SIC 24xx)	-	-	<b><u>Arsenic trioxide, Bis(tributyltin) oxide, Flame retardants, Isocyanates, Pentachlorophenol</u></b>
Wood Products Manufacturing (SIC 24xx)	Miscellaneous (SIC 2499)	-	Cresols, Dioxins, Formaldehyde, <b><u>Methyl chloride, Paraformaldehyde, Polychlorinated dibenzofurans, Sodium hydroxide, TCE, Uranium and compounds</u></b>
Wood Products Manufacturing (SIC 24xx)	Fiberboard Manufacturing (SIC 2493)	-	Chloroform, <b><u>Paraformaldehyde</u></b>
Wood Products Manufacturing (SIC 24xx)	Lumber (SIC 242x)	-	<b><u>Arsenic pentoxide, Cresols, 2,4-Dichlorophenol, Dioxins, Formaldehyde, Methyl chloride, Polychlorinated dibenzofurans, TCE, 2,3,4,6-Tetrachlorophenol, Toluene</u></b>

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<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Millwork, Plywood, &amp; Structural Members (SIC 243x)</u>	-	<b><u>Formaldehyde</u></b>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Millwork, Plywood, &amp; Structural Members (SIC 243x)</u>	<u>Millwork (SIC 2431)</u>	<u>Carbon tetrachloride, Chlorophenols, Formaldehyde, Methylene chloride, Mineral fibers (asbestos and related), Toluene, Xylenes</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Millwork, Plywood, &amp; Structural Members (SIC 243x)</u>	<u>Wood Kitchen Cabinets (SIC 2434)</u>	<u>Methylene chloride, Naphthalene, <b>PAHs and PAH-related compounds</b>, Styrene and copolymers, 1,1,1-TCA, Toluene, Xylenes</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Millwork, Plywood, &amp; Structural Members (SIC 243x)</u>	<u>Hardwood Veneer/Plywood (SIC 2435)</u>	<u>Formaldehyde, Perchloroethylene</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Paper &amp; Allied Products Manufacturing - see Paper &amp; Allied Products Manufacturing, Appendix C-II</u>	-	-
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Plywood Manufacturing (SIC 2435, 2436)</u>	-	<u>Cresols, Dioxins, <b>Paraformaldehyde</b>, <b>Polychlorinated dibenzofurans</b></u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Presswood &amp; Laminated Wood Products Manufacturing (SIC 2439, 249x, 25xx)</u>	-	-
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Presswood &amp; Laminated Wood Products Manufacturing</u>	<u>Phenol-formaldehyde resins</u>	<b><u>Bis(2,3-epoxycyclopentyl) ether</u></b> , Formaldehyde, <b><u>Paraformaldehyde</u></b> , Phenol, <b><u>Urea-formaldehyde</u></b>



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<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Presswood &amp; Laminated Wood Products Manufacturing</u>	<u>Melamine-formaldehyde resins</u>	<b><u>Bis(2,3-epoxycyclopentyl) ether, Formaldehyde, Paraformaldehyde, Urea-formaldehyde</u></b>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Presswood &amp; Laminated Wood Products Manufacturing</u>	<u>Dispersion agent (during glue formulation)</u>	<u>Sodium hydroxide</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Presswood &amp; Laminated Wood Products Manufacturing</u>	<u>Formaldehyde scavengers</u>	<u>Ammonia</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Sawmills &amp; Planing Mills (SIC 242x)</u>	-	<u>Acetaldehyde, Formaldehyde, Lead, PAHs and PAH-related compounds, POM, Toluene</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Sawmills &amp; Planing Mills (SIC 242x)</u>	<u>Hardwood Dimension &amp; Flooring (SIC 2426)</u>	<b><u>Phthalates, Toluene</u></b>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Softwood Veneer Manufacturing (SIC 2436)</u>	-	<u>Cresols, Dioxins, Polychlorinated dibenzofurans</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Wood Containers (SIC 244x)</u>	-	<u>Toluene</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Wood Furniture Manufacturing (SIC 25xx)</u>	-	<b><u>Ammonia, Cadmium, Copper, Formaldehyde, Lead, Methylene chloride, Naphthalene, PAHs and PAH-related compounds, Styrene and copolymers, 1,1,1-TCA, TCE, Toluene, Toluene diisocyanates, Xylenes</u></b>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Wood Furniture Manufacturing (SIC 25xx)</u>	<u>Wood Finishing</u>	<u>Chromium, Ethylene glycol, Methylene chloride, Nonylphenol ethoxylates, 1,1,1-TCA</u>
<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-

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<u>Wood Products Manufacturing (SIC 24xx)</u>	<u>Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Wool Fabric Mills - see Textile Manufacturing</u>	-	-	-
<u>All Other Industries</u>	<u>Gaseous releases from combustion, storage, handling, process vessels, etc</u>	-	<u>Feedstocks that are on list of substances or may contain listed substances as substances.</u>
<u>All Other Industries</u>	<u>Particulate and aerosol releases from combustion, storage, handling, process vessels, etc</u>	-	<u>Check all materials manufactured for components that are on listed substances</u>
<u>All Other Industries</u>	<u>Process loss and fugitive releases anywhere along the process train</u>	-	<u>Check all materials manufactured for components that are on listed substances</u>