

INFORMAL REVIEW DRAFT

[Note: The pre-existing regulation text is set forth below in normal type. The original proposed amendments are shown in underline to indicate additions and ~~strikeout~~ to indicate deletions. Additional proposed modifications are shown in double-underline to indicate additions and ~~double-strikeout~~ to indicate deletions. The square brackets “[]” are used to indicate minor adjustments to text (e.g., page numbers and adoption dates) that will be updated upon adoption of the proposed amendments.]

APPENDIX C

FACILITY GUIDELINE INDEX

(FACILITY "LOOK-UP" TABLE)

INFORMAL REVIEW DRAFT

This Page Intentionally Left Blank

INFORMAL REVIEW DRAFT

~~APPENDIX C - I~~

~~RESPONSIBILITIES OF ALL FACILITIES~~

INFORMAL REVIEW DRAFT

NOTES FOR APPENDIX C FACILITY GUIDELINE INDEX

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.

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

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

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.

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.

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-pentaoxapentasiloxane
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
MeIQ	=	2-Amino-3,4-dimethylimidazo[4,5-f]quinoline
MeIQx	=	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

INFORMAL REVIEW DRAFT

PCBTf	=	<u>1-Chloro-4-(trifluoromethyl)benzene, 4-Chlorobenzotrifluoride</u>
Perc	=	<u>Perchloroethylene, Tetrachloroethylene</u>
PFOS	=	<u>Perfluorooctanesulfonate</u>
PFOA	=	<u>Perfluorooctanoic acid</u>
PBBs	=	<u>Polybrominated biphenyls</u>
PCBs	=	<u>Polychlorinated biphenyls</u>
PAHs	=	<u>Polycyclic aromatic hydrocarbons</u>
POM	=	<u>Polycyclic organic matter (other than PAHs)</u>
1,1,1-TCA	=	<u>1,1,1-Trichloroethane, Methyl chloroform</u>
1,1,2-TCA	=	<u>1,1,2-Trichloroethane, Vinyl trichloride</u>
TCE	=	<u>Trichloroethylene</u>
delta-9-THC	=	<u>delta-9-Tetrahydrocannabinol</u>

(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.

(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.

(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
<u>4,4'-Sulfonylbis[2-(2-propen-1-yl)phenol]</u>

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

Boron trifluoride

INFORMAL REVIEW DRAFT

Boron trifluoride dihydrate

Boron trifluoride ethers

(4) Chlorobenzenes refer to the following listed substances:

Chlorobenzene

Dichlorobenzenes (mixed isomers)

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 [II] oxide

Cobalt [III] oxide

INFORMAL REVIEW DRAFT

Cobalt sulfide
Cobalt acetate (tetrahydrate)
Cobalt chloride (hexahydrate)
Cobalt hydrocarbonyl
Cobalt nitrate (hexahydrate)
Cobalt octoate
Cobalt sulfate
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) Dialkyl nitrosamines 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

INFORMAL REVIEW DRAFT

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

2,4-Dichlorophenoxyacetic acid
2,4-Dichlorophenoxyacetic acid salt
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
Aluminum diethyl phosphinate
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
Bisphenol A bis(diphenyl phosphate)
1,2-Bis(2,4,6-tribromophenoxy)ethane
Brominated polystyrenes
2-Bromoallyl 2,4,6-tribromophenyl ether

INFORMAL REVIEW DRAFT

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
Dimethyl glutarate
Dimethyl methylphosphonate
2-Ethyl-1-hexyl-2,3,4,5-tetrabromobenzoate
Firemaster® 550
Hexabromobenzene
2,2',4,4',5,5'-Hexabromobiphenyl
Hexabromobiphenyls
Hexabromobiphenyl mixture including Firemaster FF-1
Hexabromocyclododecane
Hexachlorocyclopentadienyl-dibromocyclooctane
2-Hydroxypropyl 2-(2-hydroxyethyl)ethyl tetrabromophthalate
Isobutoxypentabromocyclododecanes
Octabromotrimethylphenylindane
Pentabromoethylbenzene
Pentabromophenol
Pentabromotoluene
Polybrominated diphenyl ethers
Resorcinol bis(diphenylphosphate)
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
Tricresyl phosphate
Tri-n-butyl phosphate
Triphenyl phosphate
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

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

CFC-113
Chlorodifluoromethane
Dichlorodifluoromethane
Dichlorofluoromethane

INFORMAL REVIEW DRAFT

Trichlorofluoromethane
trans-1-Chloro-3,3,3-trifluoropropene
trans-1,3,3,3-Tetrafluoropropylene

(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

INFORMAL REVIEW DRAFT

beta-Hexachlorocyclohexane

Lindane

(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

INFORMAL REVIEW DRAFT

Fluoro-edenite fibrous amphibole

Talc containing asbestiform fibers

(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

(4)(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-Nitrosomorpholine

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

INFORMAL REVIEW DRAFT

(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
Anthanthrene
Anthracene
Anthracene oil or paste
Anthraquinone
Benz[a]anthracene
Benz[a]anthracene-7,12-dione
Benzanthrone
Benz[j]aceanthrylene
Benzo[b]chrysene
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

INFORMAL REVIEW DRAFT

Dibenzo[e,h]pyrene
1,2-Dimethylnaphthalene
1,6-Dimethylnaphthalene
2,6-Dimethylnaphthalene
1,7-Dimethylphenanthrene
Fluoranthene
Fluorene
Fluorenone
Indeno[1,2,3-cd]pyrene
2-Methylantracene
9-Methylantracene
12-Methylbenz(a)anthracene
Methylbenzopyrene
3-Methylchrysene
6-Methylchrysene
1-Methylfluoranthene
3-Methylfluoranthene
2-Methylnaphthalene
1-Methylphenanthrene
2-Methylphenanthrene
3-Methylphenanthrene
9-Methylphenanthrene
1-Methylpyrene
4-Methylpyrene
1-Naphthaldehyde
Naphthalene
1,5-Naphthalenediamine
2-Nitroanthracene
7-Nitrobenz[a]anthracene
3-Nitrobenzanthrone
6-Nitrobenzo[a]pyrene
3-Nitrofluoranthene
1-Nitronaphthalene
2-Nitronaphthalene
3-Nitrophenanthrene
9-Nitrophenanthrene
2-Nitropyrene
Perylene
Phenanthrene
9-Phenanthrenecarboxaldehyde
Pyrene
Retene
2,3,5-Trimethylnaphthalene
Xanthone

(29) PBBs refer to the following listed substances:

Decabromobiphenyl
2,2',4,4',5,5'-Hexabromobiphenyl
Hexabromobiphenyl mixture including Firemaster FF-1
Octabromobiphenyl
Firemaster® BP-6

INFORMAL REVIEW DRAFT

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

Alcohols, C8-14, gamma-omega-perfluoro
Alkenes, C8-14 alpha-, delta-omega-perfluoro
Alkyl iodides, C4-20, gamma-omega-perfluoro
Ammonium 4,8-dioxa-3H-perfluorononanoate
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
Bis(perfluorohexyl)phosphinic acid
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
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonate (potassium or other salts)
Chromium (III) perfluorooctanoate
Cyclohexanesulfonic acid, decafluoro(pentafluoroethyl)-, potassium salt
Cyclohexanesulfonic acid, decafluoro(trifluoromethyl)-, potassium salt
Cyclohexanesulfonic acid, nonafluorobis(trifluoromethyl)-, potassium salt
Decafluoro-4-(pentafluoroethyl)cyclohexanesulfonate
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-heneicosafluoro-
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-heptadecafluorodecyl 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-heptadecafluoro-N-[3-(trimethoxysilyl)propyl]-1-octanesulfonamide
N-Ethyl-N-(2-hydroxyethyl)perfluorooctanesulfonamide phosphate monoester diammonium salt
2-(N-Ethyl-perfluorooctanesulfonamido)acetic acid
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
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
10:2 Fluorotelomer alcohol
5:3 Fluorotelomer carboxylic acid

INFORMAL REVIEW DRAFT

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
10:2 Fluorotelomer sulfonic acid
6:2 Fluorotelomer unsaturated carboxylic acid
8:2 Fluorotelomer unsaturated carboxylic acid
10:2 Fluorotelomer unsaturated carboxylic acid
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
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine
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)
Hexafluoropropylene oxide dimer acid and its ammonium salt
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
Lithium (perfluorooctane)sulfonate
Methyl perfluorooctanoate
N-Methylperfluorooctanesulfonamidoethanol
N-Methylperfluorooctanesulfonamidoethyl acrylate
Nonafluoro-3,6-dioxaheptanoic acid
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-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-N-methyl-
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)
Pentanoic acid, 4,4-bis[(gamma-omega-perfluoro-C8-20-alkyl)thio] derivatives
Perfluorobutane sulfonate (and salts)
Perfluorobutane sulfonic acid
Perfluorobutanoic acid
Perfluorodecane sulfonate
Perfluorodecane sulfonic acid
Perfluorodecanoic acid
Perfluorodecylethyl iodide

INFORMAL REVIEW DRAFT

Perfluorodecylethyl methacrylate
Perfluorodecylphosphonic acid
Perfluorododecane sulfonate
Perfluoro-1-dodecanesulfonate, sodium salt
2H-perfluoro-2-decenoic acid
2-perfluorodecyl ethanoic acid
Perfluorododecanoic acid
Perfluorododecylethanol
Perfluoro(2-ethoxyethane) sulfonic acid
Perfluoroethylcyclohexane sulfonic acid
Perfluoroheptane sulfonate
Perfluoroheptane sulfonic acid
Perfluoroheptanesulfonyl fluoride
Perfluoroheptanoic acid
Perfluorohexadecanoic acid
2-(Perfluorohexadecyl)ethanol
Perfluorohexane sulfonic acid/sulfonate
2H,2H,3H,3H-Perfluorohexanoic acid
Perfluorohexanoic acid
2-perfluorohexyl ethanoic acid
2-Perfluorohexyl ethyl methacrylate
Perfluorohexylperfluorooctylphosphinic acid
Perfluorohexylphosphonic acid
Perfluoroisobutylene
Perfluorolauryl ethyl methacrylate
Perfluorolaurylethyl iodide
Perfluoro-4-methoxybutanoic acid
Perfluoro-3-methoxypropanoic acid
Perfluoromethylheptane sulfonic acid
Perfluoro(2-methyl-3-oxahexanoic) acid and GenX Chemicals
Perfluoro-N-methyloctanesulfonamide
Perfluorononane sulfonate
Perfluorononane sulfonic acid
Perfluorononanoic acid
Perfluorooctadecanoic acid
2-(Perfluorooctadecyl)ethanol
Perfluorooctane sulfonamide
Perfluorooctane sulfonate
Perfluorooctane sulfonic acid
Perfluorooctane sulfonyl fluoride
Perfluorooctanoic acid
Perfluorooctanoic acid and its salts, esters, and sulfonates
Perfluorooctanoic acid fluoride
2H-perfluoro-2-octenoic acid
2-perfluorooctyl ethanoic acid
2-(Perfluorooctyl)ethanesulfonyl chloride
Perfluorooctyl ethylene
2-(Perfluorooctyl)ethyl methacrylate
Perfluorooctylphosphonic acid
Perfluoropentane sulfonate
Perfluoropentane sulfonic acid
Perfluoropentanoic acid
Perfluorotetradecanoic acid

INFORMAL REVIEW DRAFT

2-(Perfluorotetradecyl)ethanol
Perfluorotetradecylethyl iodide
Perfluorotetradecylethyl methacrylate
Perfluorotridecanoic acid
Perfluoroundecanoic acid
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
Poly(difluoromethylene), alpha.alpha'-[phosphinobis(oxy-2,1-ethanediyl)]bis[omega-fluoro-, ammonium salt
Poly(difluoromethylene), alpha.alpha'-[phosphinobis(oxy-2,1-ethanediyl)]bis[omega-fluoro-
Poly(difluoromethylene), alpha-[2-[(2-carboxyethyl)thio]ethyl]-omega-fluoro-, lithium salt
Poly(difluoromethylene), alpha-[2-[(2-carboxyethyl)thio]ethyl]-omega-fluoro-
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-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-(phosphonoxy)ethyl]-
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]([tridecafluoroheptyl)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]([tridecafluoroheptyl)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 N-perfluorooctylsulfonate
Potassium perfluorocyclohexyl sulfonate
Potassium perfluorohexanesulfonate
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-[[tridecafluoroheptyl)sulfonyl]amino]-, chloride
1-Propanaminium, N,N,N-trimethyl-3-[[tridecafluoroheptyl)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-(ethenoxy)butyl] esters
Propanedioic acid, mono(gamma-omega-perfluoro-C8-12-alkyl) derivatives, di-me esters
1,3-Propanediol, 2,2-bis[(gamma-omega-perfluoro-C4-10-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-C10-20-alkyl)thio]methyl] derivatives, phosphates, ammonium salts

INFORMAL REVIEW DRAFT

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-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-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-, 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[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester

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 bis-[2-(N-ethylperfluorooctane-1-sulfonamido)ethyl] phosphate

Sodium 2-(N-ethylperfluorooctane-1-sulfonamido)ethyl phosphate

Sodium perfluorooctanoate

Sulfonic acids, C6-12-alkane, gamma-omega-perfluoro, ammonium salts

N-Ethyl perfluorooctane sulfonamid (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

2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propanoic acid

1,1,2,2-Tetrafluoro-2-[(1,1,1,2,3,3-hexafluoro-3-[(trifluorovinyl)oxy]-2-propenyl)oxy]ethane sulfonic acid

1,1,2,2-Tetrahydroperfluorohexadecyl acrylate

1,1,2,2-Tetrahydroperfluorotetradecyl acrylate

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

N,N,N-Trimethyl-3-(perfluorooctylsulfonamido)propan-1-aminium iodide

INFORMAL REVIEW DRAFT

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

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

INFORMAL REVIEW DRAFT

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
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) PAH/PAH-derivatives/POM from combustion refer to the following listed substances:

<u>CAS Number</u>	<u>Substance Name</u>
84651	<u>Anthraquinone</u>
2498660	<u>Benz[a]anthracene-7,12-dione</u>
82053	<u>Benzanthrone</u>
194592	<u>7H-Dibenzo[c,g]carbazole</u>
105735715	<u>3,7-Dinitrofluoranthene</u>
22506532	<u>3,9-Dinitrofluoranthene</u>
75321209	<u>1,3-Dinitropyrene</u>

INFORMAL REVIEW DRAFT

<u>CAS Number</u>	<u>Substance Name</u>
42397648	1,6-Dinitropyrene
42397659	1,8-Dinitropyrene
602879	5-Nitroacenaphthene
3586694	2-Nitroanthracene
20268513	7-Nitrobenz[a]anthracene
17117349	3-Nitrobenzanthrone
63041907	6-Nitrobenzo[a]pyrene
7496028	6-Nitrochrysene
892217	3-Nitrofluoranthene
607578	2-Nitrofluorene
86577	1-Nitronaphthalene (Nitrol)
581895	2-Nitronaphthalene
17024190	3-Nitrophenanthrene
954461	9-Nitrophenanthrene
5522430	1-Nitropyrene
789071	2-Nitropyrene
57835924	4-Nitropyrene
1151	PAHs, total, without individual components reported
1150	PAHs, total, with individual components also reported
83329	Acenaphthene
208968	Acenaphthylene (Cyclopenta[cd]naphthalene)
191264	Anthanthrene (Dibenzo[cd,jk]pyrene)
120127	Anthracene
202335	Benz[j]aceanthrylene
56553	Benz[a]anthracene
214175	Benzo[b]chrysene
203338	Benzo[a]fluoranthene
205992	Benzo[b]fluoranthene
203123	Benzo[g,h,i]fluoranthene
205823	Benzo[j]fluoranthene
207089	Benzo[k]fluoranthene
205129	Benzo[c]fluorene
191242	Benzo[g,h,i]perylene
195197	Benzo[c]phenanthrene
50328	Benzo[a]pyrene
192972	Benzo[e]pyrene
218019	Chrysene
191071	Coronene
215587	Dibenz[a,c]anthracene
53703	Dibenz[a,h]anthracene
224419	Dibenz[a,i]anthracene
192654	Dibenzo[a,e]pyrene
189640	Dibenzo[a,h]pyrene
189559	Dibenzo[a,i]pyrene
191300	Dibenzo[a,l]pyrene
192518	Dibenzo[e,l]pyrene
206440	Fluoranthene
86737	Fluorene

INFORMAL REVIEW DRAFT

<u>CAS Number</u>	<u>Substance Name</u>
<u>193395</u>	<u>Indeno[1,2,3-cd]pyrene</u>
<u>91203</u>	<u>Naphthalene</u>
<u>198550</u>	<u>Perylene</u>
<u>85018</u>	<u>Phenanthrene</u>
<u>129000</u>	<u>Pyrene</u>
<u>57976</u>	<u>7,12-Dimethylbenz[a]anthracene</u>
<u>573988</u>	<u>1,2-Dimethylnaphthalene</u>
<u>575439</u>	<u>1,6-Dimethylnaphthalene</u>
<u>581420</u>	<u>2,6-Dimethylnaphthalene</u>
<u>483874</u>	<u>1,7-Dimethylphenanthrene</u>
<u>26914181</u>	<u>Methylantracene</u>
<u>613127</u>	<u>2-Methylantracene</u>
<u>779022</u>	<u>9-Methylantracene</u>
<u>2422799</u>	<u>12-Methylbenz(a)anthracene</u>
<u>65357699</u>	<u>Methylbenzopyrene</u>
<u>56495</u>	<u>3-Methylcholanthrene</u>
<u>41637905</u>	<u>Methylchrysene</u>
<u>3351313</u>	<u>3-Methylchrysene</u>
<u>3697243</u>	<u>5-Methylchrysene</u>
<u>1705857</u>	<u>6-Methylchrysene</u>
<u>25889605</u>	<u>1-Methylfluoranthene</u>
<u>1706010</u>	<u>3-Methylfluoranthene</u>
<u>90120</u>	<u>1-Methylnaphthalene</u>
<u>91576</u>	<u>2-Methyl naphthalene 2-Methylnaphthalene</u>
<u>832699</u>	<u>1-Methylphenanthrene</u>
<u>2531842</u>	<u>2-Methylphenanthrene</u>
<u>832713</u>	<u>3-Methylphenanthrene</u>
<u>883205</u>	<u>9-Methylphenanthrene</u>
<u>2381217</u>	<u>1-Methylpyrene</u>
<u>3353126</u>	<u>4-Methylpyrene</u>
<u>483658</u>	<u>Retene</u>
<u>2245387</u>	<u>2,3,5-Trimethylnaphthalene</u>
<u>1155</u>	<u>PBBs (Polybrominated biphenyls)</u>
<u>13654096</u>	<u>Decabromobiphenyl</u>
<u>61288139</u>	<u>Octabromobiphenyl</u>
<u>59536651</u>	<u>PBBs (mixed) including but not limited to Firemaster® BP-6</u>
<u>4707715</u>	<u>9-Phenanthrenecarboxaldehyde</u>
<u>90471</u>	<u>Xanthone</u>

APPENDIX C - I

RESPONSIBILITIES OF ALL FACILITIES

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

THIS APPENDIX IS NOT AN EXHAUSTIVE LIST. 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)
FUEL/WASTE COMBUSTION		
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	
Residual or Distillate	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
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.)		

INFORMAL REVIEW DRAFT

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		
Coke Ovens	From boiler corrosion inhibitor	Nitrosomorpholine, Any other listed metals 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

INFORMAL REVIEW DRAFT

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

INFORMAL REVIEW DRAFT

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

INFORMAL REVIEW DRAFT

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: Other organics including	Carbon tetrachloride, Chloroform, EDC, Methyl chloroform, Perc, TCA, TCE 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: Other organics including:	Carbon tetrachloride, Chloroform, EDC, Methylene chloride, Perc, TCA, TCE 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

INFORMAL REVIEW DRAFT

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

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40/Notes)</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	-	-	<u>Anthracene oil or paste, 1,2-Dichloropropane, Hydrochloric acid, Methyl ethyl ketone, 1-Methylnaphthalene, Methylnapthalene (mixed), Any other listed substances</u>
<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>	<u>Arsenic, Beryllium, Cadmium, Chromium, Coal dust, Coal tar, Copper, Lead, Manganese, Mercury, Nickel, Radionuclides, Selenium, Sulfur trioxide, Zinc, Any other listed metals</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Coal-fired</u>	<u>Other particulate-phase substances including but not limited to:</u>	<u>Dibenzofurans, Dioxins, PAHs and PAH-related compoundsPAH/PAH- derivatives/POM from combustion, Benzo[a]pyrene, Phosphorus, Phosphorus compounds, Polychlorinated dibenzofurans, POM, 4- Vinylcyclohexene, Xylenes</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Coal-fired</u>	<u>Gaseous products including but not limited to:</u>	<u>Acetaldehyde, Benzene, Carbon black, Carbon black extracts, Dichlorobenzenes, Diesel engine PM, Diesel engine TOG, Diesel fuel (marine), Dimethyl methylphosphonate, EDB, EDC, Hydrogen fluoride, Formaldehyde, Hydrogen chloride, Hydroquinone, MTBE, 2- Methylaziridine, Naphtha (coal tar), Nitromethane, Oxygen difluoride, Phenols, Propylene, Shale oils, Tricresyl phosphate, 1,3,5- Trimethylbenzene</u>
<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>	<u>Arsenic, Benzene, Beryllium, Cadmium, Chromium, Copper, 1,2- Dichloropropane, Diesel PM, 1,8-Dinitropyrene, Dioxins, 1,2- Diphenylhydrazine, Formaldehyde, Isobutylene, Lead, Manganese, Mercury, 2-Methylcyclopentadienyl manganese tricarbonyl, Nickel, PAHs and PAH-related compoundsPAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, Polychlorinated dibenzofurans, POM, Radionuclides, Selenium, Zinc, Any other listed metals</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Waste</u>	-	Arsenic, Benzene, Beryllium, Cadmium, Chloroform, Chromium, Copper, Dibenzofurans, Dioxins, EDB, EDC, Manganese, Mercury, Methylene chloride, Nickel, PAHs and PAH-related compounds PAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, PCBs, Perchloroethylene, Polychlorinated dibenzofurans , POM, Toluene, 1,1,1-TCA, TCE, 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, Crotonaldehyde, Dioxins , Formaldehyde, PAHs and PAH-related compounds PAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, Polychlorinated dibenzofurans , POM, Propylene, Toluene, Xylenes, Any other listed metals
<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>	Benzene, Crotonaldehyde, Dioxins , Formaldehyde, Nitromethane , Phenol, Polychlorinated dibenzofurans , Any other listed metals
<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>	Dioxins , Formaldehyde, Manganese, Nickel, PAHs and PAH-related compounds PAH/PAH-derivatives/POM from combustion, Phenol, Polychlorinated dibenzofurans
<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>	Acetaldehyde, Arsenic, Arsenic trioxide , Benzene, Chromium, Copper, Dioxins, 1-Methylnaphthalene, Methylnaphthalene (mixed) , PAHs and PAH-related compounds PAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, PCBs, Polychlorinated dibenzofurans , POM, Any pesticides used on wood
<u>FUEL/WASTE COMBUSTION</u>	<u>Boilers, Heaters, Kilns, IC Engines, Furnaces</u>	<u>Other Liquid-fired</u>	<u>From boiler corrosion inhibitor</u>	Heptachlor, Hydrazine, 2-Mercaptobenzothiazole , Nitrosomorpholine, Any other listed metals

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Coke Ovens</u>	-	-	<u>Benzene, Benzyl chloride, Coal tar, Coke oven emissions, Cresols, Dibenzofurans, Dioxins, Nitrosamines, PAHs and PAH-related compoundsPAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, Polychlorinated dibenzofurans, 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>Dibenzofurans, Dioxins, PAHs and PAH-related compoundsPAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, Polychlorinated dibenzofurans</u>
<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, Beryllium, Cadmium, Chromium, Copper, Manganese, Mercury, Nickel, PAHs and PAH-related compoundsPAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, 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>Dibenzofurans, Dioxins, PAHs and PAH-related compoundsPAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, PCBs, Polychlorinated dibenzofurans, 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 fluoride, Hydrogen chloride, Vinyl chloride</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Cotton Gin Waste</u>	-	<u>Arsenic</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Hazardous Waste</u>	-	<u>Dioxins, 1-Methylnaphthalene, Methylnaphthalene (mixed), PAHs and PAH-related compounds</u> PAH/PAH-derivatives/POM from combustion, <u>Polychlorinated dibenzofurans</u> , Any other listed metals
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Hospital Waste</u>	-	<u>Dioxins, Polychlorinated dibenzofurans</u> , Radionuclides, Any listed metals
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Municipal Refuse</u>	-	Beryllium, Cadmium, Chromium, Manganese, Mercury, Nickel, <u>PAHs and PAH-related compounds</u> PAH/PAH-derivatives/POM from combustion, <u>Benzo[a]pyrene, POM</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Pathological</u>	-	<u>Dioxins, Polychlorinated dibenzofurans</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Scrap Wood</u>	-	<u>PAHs and PAH-related compounds</u> PAH/PAH-derivatives/POM from combustion, <u>Benzo[a]pyrene, POM</u>
<u>FUEL/WASTE COMBUSTION</u>	<u>Incinerators</u>	<u>Sludge</u>	-	Acrolein, Arsenic, Beryllium, Cadmium, Chromium, Dioxins, Manganese, Mercury, <u>Mineral fibers (asbestos and related)</u> , Asbestos, Nickel, <u>PAHs and PAH-related compounds</u> PAH/PAH-derivatives/POM from combustion, <u>Polychlorinated dibenzofurans, POM</u> , Any other listed metals
<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>	-	Acrolein, Dibenzofurans, Dioxins, Manganese, Nickel, <u>PAHs and PAH-related compounds</u> PAH/PAH-derivatives/POM from combustion, <u>Polychlorinated dibenzofurans, POM</u> , Any other listed metals

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>SOLVENT USE</u>	<u>Miscellaneous Use</u>	-	-	<p>Acetaldehyde, <u>Acetic acid</u>, <u>Acetonitrile</u>, Acrolein, <u>Arsenic</u>, Benzene, <u>Biphenyl</u>, <u>Bis(2-ethylhexyl) adipate</u>, <u>Hydrogen bromide</u>, <u>Bromobenzene</u>, <u>Bromonaphthalene</u>, <u>t-Butyl acetate</u>, <u>n-Butyl alcohol</u>, <u>sec-Butyl alcohol</u>, <u>tert-Butyl alcohol</u>, <u>n-Butyl glycidyl ether</u>, <u>gamma-Butyrolactone</u>, <u>n-Butyronitrile</u>, <u>Cadmium</u>, <u>Carbon disulfide</u>, Carbon tetrachloride, <u>Chloral</u>, <u>Chloroacetic acid</u>, <u>Chlorobenzene</u>, <u>Chloroform</u>, <u>Chloromethyl methyl ether</u>, <u>2-Chloronaphthalene</u>, <u>4-Chloro-o-phenylenediamine</u>, <u>2,4-Dichlorophenol</u>, <u>2,5-Dichlorophenol</u>, <u>Pentachlorophenol</u>, <u>Cobalt sulfide</u>, Cresols, <u>Crotonaldehyde</u>, <u>Cupferron</u>, <u>Cyclohexane</u>, <u>Cyclosiloxanes</u>, <u>D5</u>, <u>Diacetyl</u>, <u>Di(2-ethylhexyl) phthalate</u>, <u>Dimethyl carbonate</u>, <u>Dimethyl formamide</u>, <u>Dimethyl methylphosphonate</u>, <u>Dimethyl sulfate</u>, <u>Dioxane</u>, <u>1,3-Dioxolane</u>, <u>1,2-Epoxybutane</u>, <u>Ethyl acetate</u>, <u>Ethyl benzene</u>, <u>Ethyl chloride</u>, <u>EDC</u>, <u>Ethylenediamine</u>, <u>Ethylidene dichloride</u>, <u>Hydrogen fluoride</u>, <u>Fluorocarbons (Chlorinated)</u>, <u>CFC-113</u>, <u>Formamide</u>, <u>Formic acid</u>, <u>Furan</u>, <u>Furfuryl alcohol</u>, <u>Glycol ethers and their acetates</u>, <u>Heptachlor</u>, <u>Heptane</u>, <u>Indium and compounds</u>, <u>Isobutyl alcohol</u>, <u>Isobutyronitrile</u>, <u>Isopropyl alcohol</u>, <u>Mercury</u>, <u>Methanol</u>, <u>Methyl chloride</u>, <u>Methyl ethyl ketone</u>, <u>Methyl hydrazine</u>, <u>Methyl isopropyl ketone</u>, <u>Methylamine</u>, <u>Methylene chloride</u>, <u>Methyl-n-butyl ketone</u>, <u>N-Methylpyrrolidone</u>, <u>Nitrobenzene</u>, <u>Nitromethane</u>, <u>2-Nitropropane</u>, <u>N-Nitrosomorpholine</u>, <u>N,N-Dimethylacetamide</u>, <u>Oxybenzone</u>, <u>PCBTF</u>, <u>Pentachloronitrobenzene</u>, <u>Perchloroethylene</u>, <u>Phosphorus oxychloride</u>, <u>Phthalates</u>, <u>Propargyl alcohol</u>, <u>Propionitrile</u>, <u>Quinoline</u>, <u>Silica (crystalline, respirable)</u>, <u>p-tert-Butyl toluene</u>, <u>1,1,1,2-Tetrachloroethane</u>, <u>Thionyl chloride</u>, <u>Toluene</u>, <u>1,1,1-TCA</u>, <u>TCE</u>, <u>Trimethylbenzenes</u>, <u>2,2,4-Trimethylpentane</u>, <u>Urethane</u>, <u>4-Vinylcyclohexene</u>, <u>Xylenes</u>, Any other listed chlorinated solvents, <u>Any other listed substances</u></p>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	-	Gaseous and aerosol organic compounds including but not limited to:	Benzene, Bromoform , t-Butyl acetate , Carbon tetrachloride, Chlorobenzene, 1,2-Dichlorobenzene , 1,2,3-Trichlorobenzene , 1,2,4-Trichlorobenzene , Chloroform , Cyclohexanol , 1,2-Dichloropropane , Dimethyl disulfide , 1,4-Dioxane, CFC-113, Freons, Hexachloroethane , Methylene chloride, PCBTF , Perchloroethylene, n-Propyl bromide , Tetralin , Toluene, 1,1,1-TCA, TCE, Any other listed substances
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Cleaning & Drying</u>	-	Fluorocarbons (Chlorinated), Hexane , Naphtha (coal tar) , Perchloroethylene
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Metal Degreasers</u>	-	Hydrogen bromide , t-Butyl acetate , 1,2-Dichlorobenzene , o-Cresol , Cyanogen chloride , Cyclohexanone , 1,2-Dichloropropane , 1,4-Dioxane, EDC , Methyl ethyl ketone , Methylene chloride, Nitric acid , Nonylphenol ethoxylates , PCBTF , Pentachloroethane , Perchloroethylene , n-Propyl bromide , 1,1,2,2-Tetrachloroethane , 1,1,1-TCA, TCE

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Oil, Wax, Fat Extracting</u>	-	<u>Benzaldehyde, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorine dioxide, Cumene, Cyclohexanol, Cyclohexanone, Decahydronaphthalene, Dichloroethane, 1,2-Dichloroethylene (cis, trans), 1,2-Dichloropropane, Ethylidene dichloride, Hexane, 4-Hydroxyazobenzene, Isophorone, Methylene chloride, Triorthocresyl phosphate, n-Propyl bromide, 1,1,2,2-Tetrachloroethane, Tetralin, 1,1,2-TCA</u>
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Photoresist Stripping</u>	-	<u>Glycol ethers and their acetates, Methylene chloride, N-Methylpyrrolidone, Xylenes</u>
<u>SOLVENT USE</u>	<u>Degreasing Operations</u>	<u>Vapor Degreasing</u>	-	<u>1,2-Dichloroethylene (cis, trans), PCBTF, Perchloroethylene, TCE</u>
<u>SOLVENT USE</u>	<u>Fabric Finishing (Woven)</u>	-	-	<u>Benzofuran, 1,4-Dichlorobenzene, 2,4-Diaminoanisole</u>
<u>SOLVENT USE</u>	<u>Floor Wax</u>	-	-	<u>Carbon disulfide, Carbon tetrachloride, 1,1,2-TCA</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>SOLVENT USE</u>	<u>Paint & Varnish Removal</u>	-	-	<u>Benzofuran, Bis(2-chloroethyl) ether, sec-Butyl alcohol, tert-Butyl alcohol, n-Butyl glycidyl ether, gamma-Butyrolactone, Carbon disulfide, Cumene, Cyclohexanol, Dimethyl formamide, Dioxane, EDC, Ethylidene dichloride, Diethylene glycol monoethyl ether acetate, Propylene glycol monomethyl ether, Isobutyl alcohol, Methyl phenyl carbinol, Methylamine, Methylene chloride, N-Methylpyrrolidone, Mica, Nonylphenol ethoxylates, 1,1,2,2-Tetrachloroethane, Tetralin, TCE, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene</u>
<u>SOLVENT USE</u>	<u>Polish (Shoe, Furniture)</u>	-	-	<u>Carbon tetrachloride, Cyclohexanol, Decahydronaphthalene, Ethyl methacrylate, Nitrobenzene, Tetralin</u>
<u>SOLVENT USE</u>	<u>Rubber Cement</u>	-	-	<u>Carbon disulfide, Carbon tetrachloride, p-tert-Butyl toluene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	-	Gaseous and aerosol organic compounds including but not limited to:	Acetaldehyde, <u>Allyl methacrylate</u> , Benzene, <u>Benzonitrile</u> , <u>t-Butyl acetate</u> , <u>n-Butyl alcohol</u> , <u>sec-Butyl alcohol</u> , <u>tert-Butyl alcohol</u> , <u>gamma-Butyrolactone</u> , <u>Cadmium succinate</u> , Carbon tetrachloride, Chlorobenzenes, Chloroform, <u>Chloromethyl methyl ether</u> , <u>4-Chloro-o-phenylenediamine</u> , <u>Chromium trivalent</u> , Cresols, <u>Dimethyl carbonate</u> , <u>Dioxane</u> , <u>Glutaraldehyde</u> , <u>Glycol ethers and their acetates</u> , <u>Indium and compounds</u> , <u>Toluene diisocyanates</u> , Methanol, <u>Methyl methacrylate</u> , <u>Methylene bis(4-cyclohexylisocyanate)</u> , Methylene chloride, Michler's ketone, <u>Mineral fibers (asbestos and related)</u> , Nitrobenzenes, 2-Nitropropane, <u>Oxybenzone</u> , PCBTF, Perchloroethylene, <u>Perfluoro and polyfluoro compounds</u> , Phenol, <u>Triorthocresyl phosphate</u> , Phthalic anhydride, <u>Phthalonitrile</u> , Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, <u>Trimethylolpropane triacrylate</u> , <u>Vinyl toluene</u> , <u>N-Vinyl-2-pyrrolidone</u> , Xylenes

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	-	<u>From adhesives</u>	<u>Allyl methacrylate, Ammonium chloride, Arsenic pentoxide, Benzofuran, t-Butyl acetate, 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, Tri-n-butyl phosphate, Triorthocresyl phosphate, Phthalates, n-Propyl bromide, Styrene and copolymers, Terephthalic acid, Toluene, 2,4,6-Tribromophenol, 1,1,2-TCA, TCE, 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, 2,4-Dichlorophenol, 2,3,4,6-Tetrachlorophenol, Cobalt octoate, Dioxane, Glycol ethers and their acetates, Isocyanates, Methylene chloride, Nonylphenol ethoxylates, Perchloroethylene, Tetraethylene glycol, Toluene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	-	<u>From metal finishing</u>	<u>Arsenic pentoxide, 2-Chloronaphthalene, Chromium hexavalent, Calcium chromate, Chromium trioxide, Strontium chromate, Chromium trivalent, Cobalt octoate, Isocyanates, PCBTF, Perchloroethylene, Terephthalic acid, Tetraethylene glycol, Titanium dioxide, Toluene, 1,1,1-TCA, Yttrium and compounds, Zinc</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	<u>Resin Application, Coating Application, Flashoff, Baking/Curing, Quenching</u>	-	<u>Acrolein, Arsenic pentoxide, Benzofuran, Bis(2,3-epoxycyclopentyl) ether, Bromonaphthalene, n-Butyl alcohol, sec-Butyl alcohol, n-Butyl glycidyl ether, Chloromethyl methyl ether, 4-Chloro-o-phenylenediamine, Chromium hexavalent, Barium chromate, Calcium chromate, Chromium trioxide, Cobalt octoate, Cyclohexane, 1,2-Dichloroethylene (cis, trans), 1,2-Diphenylhydrazine, Epoxy resins, Formaldehyde, 4-Hydroxyazobenzene, Isobutyl alcohol, Isocyanates, Isophorone, Nadic methyl anhydride, Oxybenzone, Triorthocresyl phosphate, n-Propyl bromide, p-tert-Butyl toluene, Tetraethylene glycol, Tetrahydrophthalic anhydride, 1,1,2-TCA, 1,2,3-Tris(chloromethoxy)propane, Vinyl toluene</u>
<u>SOLVENT USE</u>	<u>Surface Coating</u>	<u>Storage & Handling - see Liquid Storage & Transfer, Appendix C-I</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>LIQUID STORAGE & TRANSFER (Fugitive Emissions)</u>	<u>Pipelines</u>	<u>Petroleum</u>	<u>Gaseous and aerosol fugitives From: joints, valves</u>	<u>Benzene, Gasoline vapors, Naphtha (coal tar), Toluene, Xylenes</u>
<u>LIQUID STORAGE & TRANSFER (Fugitive Emissions)</u>	<u>Process Vents</u>	-	-	<u>Transported listed substances</u>
<u>LIQUID STORAGE & 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, 2-Methylcyclopentadienyl manganese tricarbonyl, Toluene, Xylenes, Stored listed substances</u>
<u>LIQUID STORAGE & 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 component of a mixture that is a listed substance, Each pure organic stored or transferred that is a listed substance</u>
<u>LIQUID STORAGE & TRANSFER (Fugitive Emissions)</u>	<u>Fugitives</u>	<u>Equipment Leaks</u>	<u>Gaseous and aerosol organic compounds From: vents, tanks, condensers, pumps, valves, compressors</u>	<u>Emissions vary according to substances involved in specific process</u>
<u>OTHER PROCESSES</u>	<u>Contaminated Soil/Water Remediation</u>	-	<u>Chlorinated organics including:</u>	<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, Oxadiazon, Oxyfluorfen, Perchloroethylene, Tributyltin methacrylate, 1,1,1-TCA, TCE</u>
<u>OTHER PROCESSES</u>	<u>Contaminated Soil/Water Remediation</u>	-	<u>Other organics including</u>	<u>Benzene, Chlorobenzene, Oryzalin, Oxydemeton methyl, 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>	<u>Bis(tributyltin) oxide, Bromine, Chloroform, 2,4,5-Trichlorophenol, Chromium, Disodium cyanodithioimidocarbonate, Manganese, Nickel, Any other additives</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>OTHER PROCESSES</u>	<u>Drinking Water Treatment</u>	-	-	<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>
<u>OTHER PROCESSES</u>	<u>Heat Transfer Fluids</u>	-	-	<u>Biphenyl, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Dibenzofurans, Trichlorofluoromethane, Hexachlorobutadiene, Magnesium oxide, Methylene chloride, Phenyl ether-biphenyl mixture (vapor), 3,3',4,4'-Tetrachlorobiphenyl</u>
<u>OTHER PROCESSES</u>	<u>Industrial Wastewater Treatment</u>	-	<u>Chlorinated organics including:</u>	<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>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>OTHER PROCESSES</u>	<u>Industrial Wastewater Treatment</u>	-	<u>Other organics including:</u>	<u>Benzene, Bromate, Bromine, Chlorobenzene, 1,4-Dichloro-2- nitrobenzene, Glutaraldehyde, Hydrazine, Hydrogen peroxide (>5%), Oryzalin, Oxadiazon, Oxydemeton methyl, Oxyfluorfen, Perfluoro and polyfluoro compounds, beta-Propiolactone, Succinic anhydride, Sulfur dioxide, Toluene, Xylenes</u>
<u>OTHER PROCESSES</u>	<u>On-site Fuel Dispensing</u>	-	<u>Gaseous and aerosol releases including but not limited to:</u>	<u>Benzene, Bromobenzene, tert-Butyl alcohol, Dibromoethane, Dichloroethane, ETBE, EDB, EDC, Gasoline vapors, Toluene, Xylenes</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
OTHER PROCESSES	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.	-	-	<p><u>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, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, 1,2,3-Trichlorobenzene, Chlorobenzilate, Chloroform, Chloromethoxy propyl mercuric acetamide, 2-Chloronaphthalene, Chlorophenols, 2,4-Dichlorophenol, 2,5-Dichlorophenol, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol sodium salt, 2,4,6-Trichlorophenol, Chloropicrin, Chlorothalonil, Chlorpyrifos, Chlorthal-dimethyl, Clofenotane, Copper, Cresols, Crotonaldehyde, Cyanamide, Cyanide compounds (inorganic), Hydrocyanic acid, Cycloate, Cyclohexanol, Cycloheximide, Des-isopropyl atrazine, N-Nitrosodimethylamine, N-Nitrosodi-n-propylamine, 2,4-Diaminotoluene, Diazinon, Diazoaminobenzene, Dibromochloropropane, Dibromoethane, Dibutyl phthalate, 1,4-Dichloro-2-nitrobenzene, 2,4-D and salts/esters, 1,3-Dichloropropene, Dichlorvos, Diclofop 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, Endosulfan, Endrin, Ethoprop, Ethyl acetate, EPTC, Ethyl parathion, o-Ethylaniline, Ethylene, EDB, EDC, ETO, Ethylene thiourea, Ethylenediamine, Fenamiphos, Fenoxaprop ethyl, Fenoxycarb, Fenvalerate, Fluzifop butyl, Fludioxonil, Fluorocarbons (Chlorinated), Fluvalinate, Formaldehyde, Formic acid, Fosetyl-al, Furan, Furfural, Glutaraldehyde, Glycol ethers and their acetates, Glyphosate, Hexachlorocyclohexanes, Lindane, Hexachlorocyclopentadiene, Hexachloroethane, 2,4-Hexadienal, Hexahydrophthalic anhydride, Hydrazine, Hydrochloric acid, Hydrogen peroxide (>5%), Imazalil, Iprodione, Isobutyronitrile, Isocyanates, Isophorone, Isopropyl alcohol, Kresoxim-methyl, Lead, Lead arsenate, Linuron, Magnesium oxide, Magnesium phosphide, Malathion, Manganese, 2-Mercaptobenzothiazole, Mercuric chloride, Methyl mercury, Metam potassium, Metam sodium, Methamidophos, Methidathion, Methomyl, Methoxychlor, Methyl bromide, Methyl carbamate, Methyl parathion,</u></p>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
				<p><u>Methylarsonic acid, 2-Methylactonitrile, Myclobutanil, Nabam, 1-Naphthylthiourea, Nickel titanate, Nitrpyrin, 4-Nitrobiphenyl, 1-Nitronaphthalene, 4-Nitrophenol, 2-Nitropropane, Nonylphenol, Nonylphenol ethoxylates, Oxythioquinox, PAHs and PAH-related compounds, Acenaphthene, Naphthalene, Paraquat, Parathion, Pendimethalin, Pentachloronitrobenzene, Peracetic acid, Permethrin, Phenol, o-Phenylenediamine dihydrochloride, 2-Phenylphenol, Phorate, Phosmet, Phosphorus, Phosphine, Tri-n-butyl phosphate, Triphenyl phosphite, 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, Sulfur dioxide, Sulfuric acid, Sulfuryl fluoride, Terrazole, 3,3',4,4'-Tetrachloroazobenzene, 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, S,S,S-Tributyl phosphorotrithioate, Tributyltin methacrylate, 1,1,2-TCA, 1,2,3-Trichloropropane, Trifloxystrobin, Trifluralin, 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></p>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>OTHER PROCESSES</u>	Printing - see Solvent Use, Appendix C-I Also see Printing & Publishing, Appendix C-II	-	-	-
<u>OTHER PROCESSES</u>	<u>Sterilizers</u>	-	-	ETO, Formaldehyde, Lead, Propylene oxide, Toluene
<u>OTHER PROCESSES</u>	<u>Surface Coating</u>	-	<u>Pigments</u>	<u>Arsenic, Arsenic pentoxide, n-Butyl glycidyl ether, 2,4-Dichlorophenol, Chromium hexavalent, Strontium chromate, Chromium oxide, Chromium trivalent, Cobalt octoate, 2,4-Diaminoanisole, 1,4-Dichloro-2-nitrobenzene, Lead oxide, Mercury, Styrene and copolymers, 1,1,2-TCA, Zinc oxide</u>
<u>OTHER PROCESSES</u>	<u>Surface Coating</u>	-	<u>Polymer & Resin Precursors Residues/Impurities</u>	<u>Acrolein, Acrylonitrile, Benzofuran, Bis(2,3-epoxycyclopentyl) ether, 1,3-Butadiene, n-Butyl alcohol, sec-Butyl alcohol, n-Butyl glycidyl ether, Cadmium, Chloroacetic acid, 4-Chloro-o-phenylenediamine, m-Cresidine, p-Cresidine, Ethyl acrylate, Formaldehyde, Glycol ethers and their acetates, Isocyanates, Lauroyl peroxide, 2-Mercaptobenzothiazole, Methylacrylonitrile, Phenol, Styrene and copolymers, Vinyl chloride, Vinylidene chloride, Any other listed substances</u>

INFORMAL REVIEW DRAFT

APPENDIX C-I RESPONSIBILITIES OF ALL FACILITIES

<u>Device/Process Level 1</u>	<u>Device/Process Level 2</u>	<u>Device/Process Level 3</u>	<u>Types of Emissions</u>	<u>Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited to (see note 40Notes)</u>
<u>OTHER PROCESSES</u>	<u>Surface Coating</u>	-	<u>Additives - Curing agents, Surfactants, Defoamers, Thickeners, Film-control agents, Plasticizers</u>	<u>Ammonia, Cobalt octoate, Cyclosiloxanes, Dibutyl phosphate, Dimethyl terephthalate, Disulfiram, Formic acid, Glycol ethers and their acetates, Lauroyl peroxide, Magnesium oxide, Methylamine, Nonylphenol ethoxylates, Propylene oxide, Styrene and copolymers, Tetraethylene glycol, Tetramethylethylenediamine, Triethylenetetramine, 1,2,3-Tris(chloromethoxy)propane, N-Vinyl-2- pyrrolidone</u>
<u>OTHER PROCESSES</u>	<u>Wastewater Treatment</u>	-	-	<u>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 (>5%), Methylene chloride, Nickel carbonate, Succinic anhydride, Sulfur dioxide, TCE, Vinyl chloride, Any other listed substances</u>
<u>CONTROL EQUIPMENT</u>	-	-	<u>Emission reductions must be quantified: For each listed substance & device</u>	-

APPENDIX C- II

FURTHER RESPONSIBILITIES

FOR SPECIFIC FACILITY CLASSES

INFORMAL REVIEW 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,i]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	

INFORMAL REVIEW DRAFT

(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:

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-Nitrososnicotine

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.

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

THIS APPENDIX IS NOT AN EXHAUSTIVE LIST. 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		
Agricultural Production		Ammonia, Chlorine, EDB, Hydrogen Sulfide; Lead, Silica, All listed metals
<hr/>		
—Agricultural Chem Mfg – see Chemical Mfg, Appendix C-II		
—Cotton Ginning		Ammonia, Arsenic
—Pesticide Use – see Other Processes, Appendix C-I		
—Waste Burning – see Combustion, Appendix C-I		
Aircraft Mfg – see Transportation Equipment Mfg, Appendix C-II		
Airports – see Transportation Stations, Appendix C-II		
Air Stripping – see Contaminated Soil/Water Remediation, Appendix C-I		
Almond Processing		Arsenic
—Combustion Processes – see Combustion, Appendix C-I		
Apparel Mfg – see Textile Mill, Appendix C-II		
Arsenic Mining – see Mining Non-Metals, Appendix C-II		
Artificial Flower Mfg		Toluene
Asbestos Milling/Processing – see Clay, Glass, & Stone Prod, Appendix C-II		
Asbestos – see Mining Non-Metals, Appendix C-II		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
<hr/>		
Asphalt Materials Mfg		
—Asphalt Felts & Coatings	—see Petroleum & Coal Products, Appendix C-II	
—Asphaltic Concrete Prod		
—(Including Asphalt Paving		
Materials Mfg)		
<hr/>		
Processes Including:		
Batch Plants and	Particulate Phases Substances	Asbestos, Benzene, Formaldehyde, Organics,
Continuous Plants		POM, PAHs, Toluene, TCA, Xylenes,
Paving Operations		All listed metals
<hr/>		
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	
<hr/>		
Auto Repair, Svc's & Garages	—see Transportation Equipment, Appendix C-II	
<hr/>		
Auto Parts Mfg	—see Transportation Equipment, Appendix C-II	
<hr/>		
Battery Production	—see Metal Smelters, Appendix C-II	
<hr/>		
Beryllium Mining	—see Metal Smelters, Appendix C-II	
<hr/>		
Bicycle Mfg/Repair	—see Transportation Equipment, Appendix C-II	
<hr/>		
Boat Building/Repair	—see Transportation Equipment (Ship & Boat Building), Appendix C-II	
<hr/>		
Box Mfg (folding paperboard type)	—see Wood Product Mfg, Paper, Paperboard Containers & Boxes, Appendix C-II	
<hr/>		
Bulk Plants and Terminals	Gaseous and aerosol releases	Benzene, Gasoline vapors, Specific Stored
		Substances listed in Appendix A-I or A-II
<hr/>		
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	
<hr/>		
Burial Caskets Mfg		Toluene
<hr/>		
Burning of Solid Waste (Open)	—see Combustion, Appendix C-I	
<hr/>		
Bus Mfg/Repair	—see Transportation Equipment, Appendix C-II	
<hr/>		
Button Mfg		Formaldehyde, Styrene, Toluene, TCE
Cadmium Plating	—see Metal Plating, Appendix C-II	
<hr/>		
Camper & Trailer Mfg	—see Transportation Equipment, Appendix C-II	

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
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		
—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		Beryllium
—Combustion Processes – see Combustion, Appendix C-I		
Charcoal Mfg – see Carbon, Appendix C-II		
Chemical Mfg	Gaseous and aerosol releases	Any of the following types of chemicals, listed in Appendix A-I or A-II:
	From process reactor vessel	FEEDSTOCK CHEMICAL(S)
	fugitive, storage, handling,	MANUFACTURED CHEMICAL(S)
	ducted building exhaust	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,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		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, 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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chromium, 1,4-Dichlorobenzene, Dimethyl sulfate, 1,4-Dioxane, Epichloro- hydrin, 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
Biological Products Medicinals & Botanicals		Arsenic, Benzene, EDC, Lead, TCA 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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
Reactor Venting Distillation Storage	From: vents, 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,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		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- 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
Metal Chelating Agent Mfg		Cupferron, Thiourea
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	From: heavy ends stream	EDC
Nuclear Fuel Fabrication		Radionuclides
Organic Chem Mfg		Acrylamide, Acrylonitrile, Carbon

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		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, Zinc, Zinc oxide
Chemical Mfg, Paints and Allied Proofs, continued		Benzyl chloride, Cadmium, Toluene
Pigment		
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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
Plastics/Resins		Acetaldehyde, Acrolein, Acrylonitrile, Allyl chloride, Ammonia, Arsenic, Asbestos, Benzene, 1,3-Butadiene, Cadmium, Carbon tetrachloride, Chlorine, Chloroethane, 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
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, Chloroprene, 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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
	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 & Sanitation Goods		Ammonia, Arsenic, Benzene, Carbon tetrachloride, 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-Diaminoanisole 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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
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		
—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,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
Gaskets, Packing, & Sealing Devices		Chromium, Hydrogen, Nickel, Toluene
Glass & Glassware, Pressed & Blown		Ammonia, Asbestos, Chlorobenzene, Gasoline vapors, Hydrogen chloride, Lead, Toluene, TCE, Zinc
Glass Container Mfg	From glass furnace	Ammonia, Arsenic, Cadmium, Chlorine, Chromium, Formaldehyde, Hydrogen chloride, Lead, Mercury, Methylene chloride, Nickel, Perc, Styrene, Toluene, TCA
Minerals, Ground or Treated		Arsenic Arsenic, Chlorine, Hydrogen chloride, Methylene chloride
Mineral Wool Prod		Chlorine, Chromium, Copper, Gasoline vapors, Hydrogen chloride
Nonclay Refractories		Ammonia, Carbon tetrachloride, Formaldehyde, Mineral fibers, Phenol
Nonmetallic Mineral Prod		Ammonia, Beryllium, Chromium, Formaldehyde, Hydrogen chloride, Mineral fibers, Phenol, Zinc, Zinc oxide
Pottery & Related Prod Vitreous Plumbing Fixtures Fine Earthen Food Utensils		Chlorine, Copper, Hydrogen chloride, Mineral fibers, Styrene, Toluene Lead, TCA Styrene, Toluene
Purchased Glass Products		Ammonia, Beryllium, Copper, Hydrogen sulfide, Lead, Methyl bromide, Naphthalene, Perc, Toluene, TCE, Zinc
Combustion Processes – see Combustion, Appendix C-I		Ammonia, Toluene, TCE, Xylenes
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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
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
Dyeing of Textiles – Gaseous, aerosol, and particulate – releases, including but not limited to:		
Due to toxics in the solutions		Dyes – Auramine, Direct Black 38, Copper, Chromium
Fixatives		Copper, Chromium
Oxidizing Agents		Chromium
Dyeing Aids		Formaldehyde, Perc, 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,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		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 Welding Apparatus, Electric Carbon & Graphite Products		Ammonia, Styrene, Toluene, TCA, TCE Nickel, Toluene BaP, Chlorine, Hydrogen chloride, Hydrogen sulfide, Styrene
Electronic Components & Accessories		Acetaldehyde, Ammonia, Arsenic, Benzene, Benzyl chloride, Beryllium, Cadmium, Chlorine, Chloroform, Chromium, Copper, Epichlorohydrin, EDC, Formaldehyde, Gaso- line 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 Pict'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,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		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 Refriger- ators & Freezers		Toluene
— Sewing Machines		Toluene, TCA
— Electric Lighting & Wiring Equipment		Toluene, TCE
— 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
— Noncurrent-Carry		Copper, Hydrogen chloride, Styrene, Toluene, TCE, Vinyl chloride, Zinc
— Radio & TV Rec'ving Sets		Ammonia, Toluene, TCA, TCE, Xylenes
— 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
— Gas & Other Svc's		Hydrogen sulfide
— Water Supply		Arsenic, Chromium, Hydrogen chloride, Hydrogen sulfide, Mercury, Perc, TCA, TCE
— Sanitary Services		Benzene, Chloroform, EDC, Methylene chloride, Perc, TCA, TCE, Vinyl chloride
— Refuse Systems		Ammonia, Arsenic, Beryllium, Cadmium, Chlorine,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		Chromium, Copper, Hydrogen chloride, Lead, Manganese, Mercury, Nickel, POM, PAHs, PCBs, Toluene, Vinyl chloride, Zinc
—Sewerage Systems		Ammonia, Arsenic, Cadmium, Chromium, Copper, Hydrogen chloride, Lead, Mercury, Nickel, Zinc
—Steam Supply		Benzene, Formaldehyde, Toluene
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
—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		
—Roasted Coffee		Formaldehyde, Phenol, Toluene, TCA 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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
—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 —Also see Wood, Appendix C-II		Naphthalene
Furniture & Fixture Mfg —Miscellaneous		Methylene chloride, Perc, TCE 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 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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
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		
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,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		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 Instruments		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
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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
	Dyes, pigments, & coloring agents	Cadmium, Chromium, Copper, Direct Black 38, Lead, Nickel, Zinc compounds
	Miscellaneous	Ammonia, Chlorine, Chloroform, 1,2-Dichloro- benzene, 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
Instl Trucks/Tractors		Perc, Toluene
Oil Field Machinery		Chromium, Lead, Nickel, TCA, Xylenes
—Engines & Turbines		
Internal Combustion Engines		Ammonia, Benzene, EDB, EDC, Gasoline vapors, Hydrazine, TCA
—Farm Machinery & Equip		Toluene
Turbines & Turbine Generator Sets		Ammonia, Formaldehyde, Hydrogen chloride, Maleic anhydride, Perc, Phenol, Styrene, Toluene, Toluene diisocyanate, TCA, Xylenes
—General Industrial Machinery		Ammonia, Chromium, Copper, Cresol, Epi- chlorohydrin, Formaldehyde, Hydrogen chloride, Lead, Nickel, Phenol, Toluene, TCA, TCE, Zinc oxide
Bell & Roller Bearings		Copper, Naphthalene, Toluene, TCA
Blowers & Fans		Copper, Gasoline vapors, Lead, Toluene, TCA, TCE
Comprsr, Air & Gas		Toluene
Industrial Furnaces & Ovens		Arsenic, Copper, Hydrogen chloride, Lead, Toluene, TCE, Zinc
Industrial Patterns		Formaldehyde, Phenol
Power Transmission Equipment		Ammonia, Copper, Hydrogen chloride
Pumps & Pumping Equipment		Ammonia, Formaldehyde, Hydrogen chloride, Lead, Perc, Phenol, Toluene, TCA, Xylenes

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
Speed Changers, Drives & Gears		Perc, Toluene, TCA
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
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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
<hr/> —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		
<hr/>		
Machining – see Metal Forming, Metal Prod Fabrication, and Metal Smelting, Appendix C-II		
<hr/>		
Magazine (Periodical) Publishing – see Printing & Publishing, Appendix C-II		
<hr/>		
Mechanical Assembly Cleaning – see Solvent Use, Degreasing, Appendix C-I		
<hr/>		
Metal Forming		
—Aluminum Forming		Chloroform, Methylene chloride, TCE
—Machining		TCA
—Also see – Metal Product Fab and Metal Smelters, Appendix C-II		
<hr/>		
Metal Furniture Mfg – see Furniture Mfg, Appendix C-II		
<hr/>		
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
<hr/>		
—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		
<hr/>		
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
<hr/>		
—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		Chromium, Lead, Toluene, TCE
—Hand & Edge Tools		Ammonia, Chlorine, Chromium, Hydrogen chloride, Methylene chloride, Styrene, Toluene, TCA, TCE, Zinc
<hr/>		
—Hand Saws & Saw Blades		Copper, Lead, Nickel, Toluene, TCE, Zinc
—Misc Hardware		Ammonia, Chlorine, Chromium, Copper, Hydro-

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		gen chloride, Hydrogen sulfide, Lead, Methylene chloride, Naphthalene, Perc, Phenol, Toluene, TCA, TCE, Zinc, Zinc oxide
—Metal Foil & Leaf		Ammonia, Copper, Hydrogen chloride, Lead, Perc, Zinc, Zinc oxide
—Metal Forgings & Stampings		
Iron & Steel Forgings		Hydrogen sulfide
Auto Stampings		Ammonia, Perc, Toluene
Crowns & Closures		Lead
Misc Metal Stampings		Copper, Perc, Toluene, TCA, TCE
—Metal Prod Fabric continued		
—Misc Metal Services		Toluene
Plating & Polishing		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
Heating Equipment, except electric		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
—Steel Springs, exc wire		Hydrogen chloride, Toluene, TCA
—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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
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		
— 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		
Primary Aluminum Pro	Gaseous, aerosol, particulate releases including but not limited to:	Benzene, Chloroform, Cresols, Fluorides, Methylene chloride, POM, PAHs, TCE
Furnace Tapping	From the calciner, furnace, mat'l	
Coke Quenching	crusher/mill, storage & handling,	
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		
Furnace Charging	From the furnace, and the service	
Metal Casting	road	
Metal Forming		Chloroform, Methylene chloride, TCE
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		
Metal Casting	From the furnace, condenser,	
Mining Operations	material storage and handling	
—		
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/		Formaldehyde, Phenol, Toluene, Xylenes
Pushing	From the coke oven, vessels, material	Ammonia, Arsenic, Beryllium, Cadmium,
Material Prep	storage and handling, and outdoor	Hydrogen sulfide, Lead, Manganese, Mercury,
Coke Quenching	storage pile	

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
Coke Production		Nickel, POM, PAHs POM, PAHs, Toluene
Metal Smelters & Foundries continued		
Primary Copper Smelt	Gaseous, aerosol, particulate releases	
Converter Charging	including but not limited to:	Arsenic, Cadmium, Copper, Lead, Mercury,
Furnace Tapping	From the converter, furnace, roaster	POM, PAHs, Selenium, Zinc
Furnace Charging	vessel, material storage and	
Material Prep	handling, outdoor storage pile,	
Metal Casting	service road	
Slag Dumping		
Mining Operations		Arsenic, Mercury, Cadmium, Copper
Copper Forming		Perchloroethylene
Secondary Copper Oper (Brass and Bronze Pro)	Gaseous, aerosol, particulate releases	
	including but not limited to:	Cadmium, Copper, Lead, Manganese,
Furnace Tapping	From the furnace, and service road	Mercury, POM, PAHs, Selenium, Zinc
Furnace Charging		
Metal Casting		
Electrometallurgical Products		Arsenic, Cadmium, Chromium, Copper, Manganese, Nickel
Ferroalloy Production	Gaseous, aerosol, particulate releases	
Furnace Tapping	including but not limited to:	Cadmium, Chromium, Copper, Lead,
Furnace Charging	From material storage & handling,	Manganese, Nickel, POM, PAHs, Zinc
Material Prep	storage pile, furnace, decarbur izing vessels	
Metal Casting		
Mining, except V		Nickel
Slag Dumping		
Iron & Steel Foundries		
Iron and Steel Production	Gaseous, aerosol, particulate releases	
Coke Oven Charging/ Pushing	including but not limited to: From the coke oven, cupola, furnace,	Ammonia, Arsenic, Benzene, Beryllium, Cad- mium, Chlorine, Chromium, Coke oven emis,
Furnace Tapping	sintering machine, storage	Copper, Formaldehyde, Hydrogen chloride,
Furnace Charging	& handling, storage pile, service road	Hydrogen sulfide, Lead, Manganese,
Material Preparation		Mercury, Naphthalene, Nickel, POM, PAHs,
Coke Quenching		Phenol, Toluene, TCE, Xylenes, Zinc
Slag Dumping		
Mining Operations		
Drying		
Crushing		
Sizing		
Weighing		
Feeding Furnace		
Also see Combustion (Blast Furnace), Appendix C-I		
Gray Iron Foundries	Gaseous, aerosol, partic releases	
Furnace Tapping	including but not limited to:	Acetaldehyde, Acrolein, Ammonia, Arsenic,
Furnace Charging	From the furnace, foundry mold &	Benzene, Beryllium, Cadmium, Chromium,
Converter Charging	core decomposition, & service road	Copper, Formaldehyde, Hydrogen sulfide,
Metal Casting		Iron, Lead, Manganese, Mercury,
Cupola		Naphthalene, Nickel, Phenol, POM, PAHs,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
Malleable Iron Foundries		Styrene, Toluene, TCA, Xylenes, Zinc
Steel Investment Foundries		Ammonia, Formaldehyde, Zinc
		Cadmium, Chromium
Steel Foundries	Gaseous, aerosol, particulate releases	
Converter Charging	including but not limited to:	Arsenic, Beryllium, Cadmium, Chromium,
Furnace Tapping	From furnace, foundry mold & core	Manganese, Nickel, Zinc
Furnace Charging	decomposition, and service	
Metal Casting	road	
Basic Oxygen Proc	From argon-oxygen decarburization	
	vessels, coke ovens	
Miscellaneous		Ammonia, Arsenic, Cadmium, Chromium,
		Copper, Hydrogen chloride, Lead,
		Naphthalene, Nickel, Perc, Phenol,
		Styrene, Toluene, TCA, Xylenes, Zinc
Cold-Finish Steel Shapes		Methylene chloride, Toluene
Steel Pipe & Tubes		Ammonia, Perc
Steel Wire & Related		Ammonia, Chlorine, Hydrogen chloride,
Products		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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
_____ Grinding		
_____ Packaging/Handling		
_____ Melting		
_____ Refining		
_____ Hot Metal Transfr		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
— 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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
Mining of Non-Metals (for Metals Mining see Metal Smelters, Appendix C-II)		
—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		Vinyl Chloride
—Industrial		Arsenic, Beryllium, Lead, Phenol, Toluene diisocyanate
—Sulfur		Arsenic, Hydrogen sulfide
Monofilament Fiber Mfg		
—Wet Spin	Gaseous and particulate releases including but not limited to:	Polymer constituents – Acrylonitrile, Propylene, Vinyl chloride
—Dry Spin	From: polymer and solvent storage	
—Filter-tow Dry Spin	ope preparation (blending),	
—Filament Yarn Dry Spin	filtration, spin cell, lubrication, drawing, finish application, and drying	Solvents/precipitants – Sodium hydroxide, Toluene, Zinc chloride
		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		
—Also see – Combustion, Other Processes, and Solvent Use, Appendix C-I		Lead, Toluene, TCE
—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,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		Manganese, Methylene chloride, Nickel, Perc, Phenol, POM, PAHs, Radionuclides, TCA, TCE, Xylenes
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, TCA, 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	

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
<hr/> —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 <hr/>		
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
—Asphalt Felts & Ctgs		Asbestos, Carbon tetrachloride, Chromium, Formaldehyde, POM, PAHs
—Lubricating Oils & Greases		Asbestos, Benzene, Epichlorohydrin, Formaldehyde, Hydrogen sulfide, Toluene, TCA, TCE, Xylenes
—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 Gas Product'n	In addition to item (1) absorber, 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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
(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, 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		Toluene
Blankbooks & Bookbinding		
Blankbooks & Loose leaf Binders		Ammonia, Toluene, TCA, TCE
Bookbinding etc		Toluene
Books		
Printing		Lead, TCA
Publishing		Arsenic, Lead
Newspapers		TCE
Printing (Commercial)		Toluene, TCA
Engraving & Plate		Benzene
Gravure		Ammonia, Benzene, Cadmium, Formaldehyde, Gasoline vapors, Methylene chloride, Nickel, Perc, Toluene, TCA, TCE, Xylenes
Letterpress		Ammonia, Benzene, Chromium, Methylene chloride, Naphthalene, Perc, Toluene, TCE

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
—Lithographic		Ammonia, Benzene, Toluene, TCE
—Printing Trade Svcs		
—Typesetting		Ammonia
—Electrotyping & Stereotyping		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		
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		Ammonia, Dimethylamine
	From sawdust used as bulking agent (sawdust from lumber obtained at structural demolition projects)	Asbestos
—Sludge Dewatering (using an aminomethyl- ated 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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
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		
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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
Semiconductor Mfg—see Electronic Equipment Mfg, Integrated Circuits, Appendix C-II		
Sewage Plants—see Combustion (Incineration), Appendix C-I		
Shingle & Siding Mfg —Also see Plastics, Appendix C-II		Asbestos
Sign & Advert. Display Mfg		Ammonia, Beryllium, Hydrogen chloride, Naphthalene, Perc, Toluene, TCA, TCE, Zinc
Smelters—see Metal Smelters, Appendix C-II		
Solvent Recycling —Also see—Solvent Use, Appendix C-I		Benzene, Chlorinated organics
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, Ethylencimine, Formaldehyde, Hydra- zine, Methyl Bromide, Perc, Phenol, TCE

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
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
Nonwoven Industry		Bis(chloromethyl) ether
Textile Finishing		
Miscellaneous		Acrylonitrile, Benzene, Benzidine, 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
Woven Fabric Finishing		1,4-Dichlorobenzene
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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
<hr/>		
—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		
<hr/>		
Tobacco Mfg		
—Cigarette Mfg		Benzene, Chloroform, Formaldehyde, Methylene chloride, Perc, Toluene
<hr/>		
—Tobacco Stemming & —Redrying		Benzene
<hr/>		
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		
—Labeling/Packaging – see Printing and Wood (Paper) Products, Appendix C-II		
—Also see – Metal, Rubber, and Wood Products, Appendix C-II		
<hr/>		
Train Mfg/Rpf – see Transportation Equipment, Appendix C-II		
<hr/>		
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		
<hr/>		
Transportation Equip Mfg/Rpr		Hydrogen chloride, Methylene chloride, Perc, Toluene, TCE
<hr/>		
—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
<hr/>		
—Auto Parts Mfg		Asbestos
—Brake lining Mfg		Asbestos
—Aircraft & Parts		Ammonia, Chromium, Hydrogen chloride,

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		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
—Motorcycles, Bicycles & Parts		Toluene
—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		
—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, Toluene
—Inspection & Weighing		EDC, Lead, Methylene chloride, Perc, Toluene, Toluene diisocyanate, TCA, TCE, Xylenes
—Marine Cargo Handling		
—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		

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
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		
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

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
	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
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 Wood Products Mfg		Phenol-formaldehyde resins - Formaldehyde, Phenol
		Melamine-formaldehyde resins - Formaldehyde
		Dispersion agent (during glue formulation)
		- Sodium hydroxide

INFORMAL REVIEW DRAFT

Industry/ Emitting Process	Type(s) of Emissions/ Emitting Process Points	Some Specific Substances (Including, but not limited to)
		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
	Process loss and fugitive releases anywhere along the process train	Check all materials manufactured for components that are on listed substances

<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 (see note 40Notes)</u>
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)	-	-	<u>Beryllium, Bromoform, t-Butyl acetate, Cadmium, Ethyl methacrylate, Flame retardants, Hafnium and compounds, Isocyanates, Nickel, Polychlorinated terphenyls</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Aerospace Products Manufacturing (SIC 372x, 376x)</u>	<u>Research - see Chemical Manufacturing and Research & Development, Appendix C-II</u>	-	-
<u>Aerospace Products Manufacturing (SIC 372x, 376x)</u>	<u>Surface Coating - see Solvent Use & Other Processes, Appendix C-I</u>	-	-
<u>Agricultural Production (SIC 01xx, 02xx)</u>	-	-	<u>Ammonia, Ammonium chloride, Azoxystrobin, Chloramben, Chlordane, Chlorine, Diquat dibromide (and mixtures), Disodium cyanodithioimidocarbonate, EDB, Glyphosate, Hydrogen sulfide, Lead, Methylarsonic acid, Silica, delta-9-THC, 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>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<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>
<u>Asbestos Milling/Processing - see Clay, Glass, & Stone Products, Appendix C-II</u>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Asbestos - see Mining Non-Metals, Appendix C-II</u>	-	-	-
<u>Asphalt Materials Manufacturing (SIC 295x)</u>	-	-	<u>Biphenyl</u>
<u>Asphalt Materials Manufacturing (SIC 295x)</u>	<u>Asphalt Felts & Coatings - see Petroleum & 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, Methylnaphthalene (mixed), Mineral fibers (asbestos and related), Organics, PAHs and PAH-related compounds, Phosphorus pentoxide, POM, Silicon carbide whiskers, Special-purpose fibers, Toluene, 1,1,1-TCA, 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>	-
<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 & 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 & Handling - see Liquid Storage & Transfer, Appendix C-I</u>	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Auto Repair, Services & 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>	-	-	<u>Ethyl cyanoacrylate, Diethylene glycol monobutyl ether, EGDMA, Isobutyl methacrylate, Methacrylic acid, 4-Methoxyphenol, Methyl cyanoacrylate</u>
<u>Beryllium Mining - see Metal Smelters, Appendix C-II</u>	-	-	-
<u>Bicycle Manufacturing/Repair - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Boat Building/Repair - see Transportation Equipment (Ship & Boat Building), Appendix C-II</u>	-	-	-
<u>Box Manufacturing (folding paperboard type) - see Paper & Allied Products Manufacturing, Appendix C-II</u>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Bulk Plants and Terminals (SIC 5171)</u>	<u>Any/all operations, especially Barrel Breathing, Barrel Filling, Barrel Standing, Barrel Withdraw, Valves, Vapor Collection/Control, Gaseous, aerosol, and particulate releases including but not limited to: From fixed roof tanks, variable vapor space tanks, floating roof tanks, flanges, pumps, and tank trucks</u>	-	<u>Benzene, Gasoline vapors, Specific Stored Substances listed in Appendix A-I or A-II</u>
<u>Burial Caskets Manufacturing (SIC 3995)</u>	-	-	<u>Toluene</u>
<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, Toluene, TCE</u>
<u>Cadmium Plating - see Metal Plating, Appendix C-II</u>	-	-	-
<u>Camper & Trailer Manufacturing - see Transportation Equipment, Appendix C-II</u>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</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>	-	-
<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 & 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>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Carbon Black & Charcoal Manufacturing - see Chemical Manufacturing, Carbon, Appendix C-II</u>	-	-	-
<u>Cement Manufacturing - see Clay, Glass, & Stone Products Manufacturing, Appendix C-II</u>	-	-	-
<u>Ceramic Plants</u>	<u>Pottery & Related (China, Plumbing, Porcelain, Earthenware) - see Clay, Glass & Stone Products, Pottery & 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>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Chemical Manufacturing (SIC 28xx)	Also see Combustion, Other Processes, Solvent Use, and Storage & Handling, Appendix C-I	-	-
Chemical Manufacturing (SIC 28xx)	Miscellaneous (SIC 28xx, 2899)	-	<u>Acetaldehyde, Acetic acid, Acrolein, Acrylonitrile, Ammonia, Aniline, Antimony trisulfide, Arsenic, Arsenic compounds (inorganic), Benzene, Beryllium, Bis(chloromethyl) ether, 1,3-Butadiene, Cadmium, Carbon black extracts, Carbon tetrachloride, Chlorine, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroform, Chloropicrin, Chromium, Chromium hexavalent, Barium chromate, Copper, Cresol, Cyclododecane, Dibutyl phosphate, Diesel engine PM, Di(2-ethylhexyl) phthalate, Dimethyl glutarate, 1,1-Dimethylhydrazine, 1,4-Dioxane, Ethyl benzene, EDB, ETO, Hydrogen fluoride, Fluorocarbons (Chlorinated), Formaldehyde, Furfuryl alcohol, Glycol ethers and their acetates, Hexachlorobutadiene, Hydrochloric acid, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Toluene diisocyanates, Isopropyl alcohol, Lead, Lead compounds (inorganic), Maleic anhydride, Manganese, Mercury, Methanol, Methyl bromide, Methyl ethyl ketone, Methylene chloride, mono-Nitroaniline, Nickel, 2-Nitropropane, PAHs and PAH-related compounds, Benzofalpyrene, Naphthalene, Perchloroethylene, Phenol, Phthalic anhydride, Propionaldehyde, Propylene oxide, Silica (crystalline, respirable), Sodium aluminum fluoride, Sodium hydroxide, Styrene, Sulfur tetrafluoride, Sulfuric acid, 1,1,1,2-Tetrachloroethane, Tetraethylene glycol, delta-9-THC, Toluene, 1,1,1-TCA, 1,1,2-TCA, TCE, 1,2,4-Trimethylbenzene, Vinyl chloride, Xylenes, Zinc, Zinc oxide, Any other listed substances</u>
Chemical Manufacturing (SIC 28xx)	Acids Manufacturing (SIC 2899)	-	<u>Acetaldehyde, Acrolein, Copper, Cresols, Hexachlorocyclopentadiene, Hydrochloric acid, Phenol, Toluene, Xylenes</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
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, t-Butyl acetate, n-Butyl alcohol, sec-Butyl alcohol, tert-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, Epoxy resins, Ethyl acetate, Ethyl benzene, Ethyl mercaptan, Ethylene, EDC, Ethylene glycol, Ethyleneimine, Ethylidene dichloride, Flame retardants, Fludioxonil, Formamide, Glutaraldehyde, Glyceraldehyde, 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, Tri-n-butyl phosphate, Triorthocresyl phosphate, Phthalates, n-Propyl bromide, Quinone, Silica (crystalline, respirable), Sodium fluoride, Styrene and copolymers, Styrene oxide, Succinic anhydride, Terephthalic acid, 3,3',4,4'-Tetrachlorobiphenyl, Tetrahydrophthalic anhydride, 4-t-Octylphenol, Toluene, m-Toluidine, 1,1,1-TCA, 1,1,2-TCA, TCE, Triethylamine, Trimellitic anhydride, 1,3,5-Trimethylbenzene, Trimethylolpropane triacrylate, Vinyl acetate, Vinyl chloride, 4-Vinylcyclohexene, Vinylidene chloride, N-Vinyl-2-pyrrolidone, Xylenes</u>
Chemical Manufacturing (SIC 28xx)	Aerospace Chemical Manufacturing	-	<u>Arsenic, Bromine pentafluoride, t-Butyl acetate, Chloroform, Chlorotrifluoromethane, EDC, Isocyanates, Phosgene, Toluene</u>
Chemical Manufacturing (SIC 28xx)	Agricultural Chemical Manufacturing (SIC 287x)	-	<u>Acetic anhydride</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Agricultural Chemical Manufacturing (SIC 287x)</u>	<u>Miscellaneous (SIC 287x)</u>	<u>Acetaldehyde, Acetoacetanilide, Acrolein, Acrylonitrile, Aldicarb, Ammonia, Arsenic, Azoxystrobin, Benzene, Benzenethiol, p-Benzquinone dioxime, Benzotrichloride, Bis(tributyltin) oxide, Bromine, Bromonaphthalene, 1,3-Butadiene, Cadmium, Carbaryl, Carbon disulfide, Carbon tetrachloride, Catechol, Chloramben, Chlordane, Chlorine, p-Chloroaniline, Chlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Chloroform, 1-Chloro-4-nitrobenzene, p-Chloro-o-toluidine, 2-Chlorophenol, 2,4,6-Trichlorophenol, Copper, Cresol, 2,3-Dibromo-1-propanol, Dichloroacetic acid, Diethyl sulfate, Dimethyl sulfate, Di-n-propyl isocinchomeronate, Diquat dibromide (and mixtures), Disodium cyanodithioimidocarbonate, Endrin, Ethyl mercaptan, EDB, EDC, ETO, Ethyleneimine, Formaldehyde, Glycol ethers and their acetates, Glyphosate, Hexachlorobenzene, Hexachlorocyclopentadiene, Hexafluoroacetone, Hydrazine, Hydrogen chloride, Hydrogen sulfide, Imazalil, Isocyanates, Methyl isocyanate, Lead, Magnesium phosphide, Maleic anhydride, Mercury, Methyl bromide, Methylarsonic acid, Methylene chloride, 2-Methylimidazole, 4-Methylimidazole, 2-Methylpyridine, Molybdenum trioxide, beta-Naphthol, Nitrapyrin, Nitrotoluenes, PAHs and PAH-related compounds, Naphthalene, Phenol, o-Phenylenediamine dihydrochloride, Phorate, Phosgene, Phosmet, Phthalic anhydride, Silica (crystalline, respirable), Styrene and copolymers, Styrene oxide, Succinic anhydride, 1,1,1,2-Tetrachloroethane, Thioglycolic acid and salts, Tris(2-methyl-1-aziridinyl)phosphine oxide, Vinyl chloride, Xylenes, Zinc, Zinc oxide</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Agricultural Chemical Manufacturing (SIC 287x)</u>	<u>Alkali Manufacturing - see Chemical Manufacturing, Industrial Inorganics, Alkalies & 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, Ammonium nitrate, Ammonium sulfate, Biphenyl, Cobalt, Cobalt chloride (hexahydrate), Formaldehyde, Hydrogen sulfide, Magnesium oxide, Mercury, Metal compounds, Methanol, Nitrapyrin, Nitric acid, Phosphorus, Potassium phosphite, Selenium, Sodium hydroxide, Sulfuric acid, Tribufos</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
Chemical Manufacturing (SIC 28xx)	Agricultural Chemical Manufacturing (SIC 287x)	Fertilizers, Nitrogenous (SIC 2873)	Ammonia, Ammonium nitrate , Ammonium sulfate , Cadmium, Hydrogen sulfide, Lead, Nickel, Nitric acid
Chemical Manufacturing (SIC 28xx)	Agricultural Chemical Manufacturing (SIC 287x)	Fertilizers, Phosphatic (SIC 2874)	Ammonia, Ammonium sulfate , Arsenic, Cadmium, Hydrogen sulfide, Phosphorus , Phosphoric acid , Sulfur
Chemical Manufacturing (SIC 28xx)	Agricultural Chemical Manufacturing (SIC 287x)	Fertilizers, Mixing Only (SIC 2875)	Ammonia, Ammonium sulfate , Arsenic, Sodium Arsenate
Chemical Manufacturing (SIC 28xx)	Aldehyde Manufacturing (SIC 2869)	-	Aldehydes, Toluene
Chemical Manufacturing (SIC 28xx)	Anti corrosives Manufacturing	-	Cresols, Hydrazine
Chemical Manufacturing (SIC 28xx)	Bases Manufacturing	-	Ammonia, Bromine , Hydrazine, Sodium hydroxide, 1,1,1,2-Tetrachloroethane , 1,1,2,2-Tetrachloroethane
Chemical Manufacturing (SIC 28xx)	Carbon Black & Charcoal Manufacturing (SIC 2895)	-	Ammonia, Coal tar , Cobalt , Formaldehyde, Hydrogen sulfide, PAHs and PAH-related compounds, Benzof[a]pyrene, POM, Any other listed metals
Chemical Manufacturing (SIC 28xx)	Chemical Preparations (SIC 2899)	-	Ammonia, Arsenic, Benzene, Bromine , Hydrogen bromide , tert-Butyl hydroperoxide , Cadmium, Chlorine, 1,2,4-Trichlorobenzene , 2-Chloropropanal , Chromium, Copper, Cyanogen chloride , Cyclododecane , Dichloroacetylene , Dimethyl carbamoyl chloride , Ethylene , Formaldehyde, Hexachlorocyclopentadiene, Hydrazine, Hydrogen chloride, Hydrogen sulfide, Isocyanates , Methyl isocyanate, Lead, Maleic anhydride, Methyl methacrylate, p-Nitroaniline , Perchloroethylene, Radionuclides, Shale oils , Styrene and copolymers, Sulfur dioxide , 1,1,1,2-Tetrachloroethane , Tetrafluoroethylene , Toluene, TCE, Vinyl chloride, Xylenes, Zinc, Zinc oxide

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

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 (see note 40/Notes)
Chemical Manufacturing (SIC 28xx)	Chemical Reagents & Intermediates	-	<p><u>Acetaldehyde, Acetamide, Acetic acid, Acetoacetanilide, Acetonitrile, Acrolein, Acrylamide, 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, Biphenyl, 2,2-Bis(bromomethyl)-1,3-propanediol, Bis(2-chloroethyl) ether, Bis(chloromethyl) ether, Boron tribromide, Boron trifluoride complexes, Bromine, Hydrogen bromide, Potassium bromate, Bromine pentafluoride, 1-Bromo-3-chloropropane, Bromodichloromethane, Bromoethane, Bromonaphthalene, 1,3-Butadiene, n-Butyl alcohol, sec-Butyl alcohol, gamma-Butyrolactone, n-Butyronitrile, Cadmium, Cadmium chloride, Carbon disulfide, Carbon tetrachloride, Carbonyl fluoride, Carbonyl sulfide, Cerium, Chloral, Chloramine, Chlorine, Chlorine dioxide, 2-Chloroacetophenone, p-Chloroaniline, Chlorobenzenes, Chlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Chloroform, Chloromethyl methyl ether, 1-Chloro-2-nitrobenzene, 1-Chloro-4-nitrobenzene, 3-Chloronitrobenzene, 4-Chloro-o-phenylenediamine, p-Chloro-o-toluidine, Chlorophenols, 2,4-Dichlorophenol, 2,5-Dichlorophenol, 2,4,6-Trichlorophenol, p-Chlorotoluene, Chromium hexavalent, Chromium trioxide, Chromium (III) Sulfate, 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, 1,4-Dichloro-2-butene, 1,2-Dichloroethylene (cis, trans), 2,4-Dichloro-1-nitrobenzene, 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, Epichlorohydrin, 1,2-Epoxybutane, Ethyl benzene, Ethyl chloride, Ethyl mercaptan, Ethyl methacrylate, N-Ethylaniline, o-Ethylaniline, EDB, EDC, ETO, Ethylene sulfide, Ethylenediamine, Ethyleneimine, Ethylidene dichloride, Flame retardants, Hydrogen fluoride, Fluorocarbons (Chlorinated), Formaldehyde, Formamide, Formic acid, Furan, Glutaraldehyde, Glycol ethers and their acetates, Glycolonitrile, Glyoxal, Heptane, Hexachlorobenzene, Hexafluoropropylene, Hexahydrophthalic anhydride, Hexane, 2,5-Hexanedione, Hydrochloric acid, Hydrogen peroxide (>5%), Hydrogen sulfide, Hydrogenated terphenyls (nonirradiated), Iodine, Iodoform, Isobutyl acrylate, Isobutyl alcohol, Isobutyl nitrite, Isobutylene, Isobutyronitrile, Toluene diisocyanates, 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, MIBK, Methyl isopropyl ketone, Methyl methacrylate, Methyl phenyl carbinol, MTBE, Methyl triflate, Methylacrylonitrile, 9-Methylanthracene, 2-Methylaziridine, 4,4'-Methylenedianiline (and dichloride), Methylhydrazine sulfate, 2-Methylactonitrile, 2-Methylpyridine, Michler's ketone, Molybdenum trioxide, mono-Nitroaniline, Morpholine, Nickel, Nickel compounds, Nitrilotriacetic 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, Naphthalene, Palladium,</u></p>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
			<p><u>Paraformaldehyde, PCBTF, Pentaborane, Pentachlorobenzene, Pentachloronitrobenzene, 1-Pentanethiol, Perchloroethylene, ADONA, Perfluoroisobutylene, p-Phenetidine, Phenol, o-Phenylenediamine and its salts, p-Phenylenediamine, Phenylhydrazine and its salts, Phenylphosphine, Phosgene, Phosphorus, Phosphine, Phosphorus oxychloride, Phosphorus pentachloride, Phosphorus pentoxide, Triethylphosphine, Triphenyl phosphite, Phthalic acid, Phthalic anhydride, Phthalimide, beta-Picoline, Platinum, Polychlorinated dibenzofurans, 1,3-Propane sultone, 1-Propanethiol, Propargyl alcohol, Propionaldehyde, Propionitrile, n-Propyl alcohol, n-Propyl bromide, Propylene, Pyridine, Quinoline, Quinone, Hydrogen selenide, Selenium hexafluoride, Sodium chlorite, Sodium hydroxide, Sodium methoxide, Styrene oxide, Succinic anhydride, Sulfur tetrafluoride, Sulfur trioxide, Sulfuric acid, Sulfuryl fluoride, Terephthalic acid, p-tert-Butyl toluene, Tetrabromobisphenol A, Tetrabromophthalic anhydride, 1,1,2,2-Tetrachloroethane, Tetraethyllead, Tetrafluoroethylene, Tetramethylethylenediamine, Tetramethyllead, Thallium, Thioacetamide, Thionyl chloride, Tin, Tin oxide, Titanium dioxide, Titanium tetrachloride, 4-t-Octylphenol, Toluene, m-Toluidine, o-Toluidine, trans-1,4-Dichlorobutene, 2,4,6-Trichloroaniline, 1,1,2-TCA, TCE, 1,2,3-Trichloropropane, Trimethyl phosphite, Trimethylamine, 1,2,3-Trimethylbenzene, 1,2,4-Trimethylbenzene, 2,2,4-Trimethylpentane, Uranium and compounds, Urethane, Vanadium pentoxide, Vinyl acetate, Vinyl cyclohexene dioxide, Vinyl fluoride, 4-Vinylcyclohexene, Vinylidene chloride, Xylenes, 2,4-Xylidine, Zinc</u></p>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Chlorine (Electrolytic) Production (SIC 2812)</u>	-	<u>Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, Mercury</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Chlorine (Electrolytic) Production</u>	<u>Also see Chemical Manufacturing, Industrial Inorganics, Alkalies & Chlorine, Appendix C-II</u>	-
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
Chemical Manufacturing (SIC 28xx)	Drug/Pharmaceutical Manufacturing (SIC 283x)	Miscellaneous. Any/all operations, especially Blender, Drying Ovens, Formulator, Other Process Reactors (SIC 283x, 2834)	<p><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, 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, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Chloroform, 4-Chlorophenol, Chromium, Cresols, Cycloheximide, 2,3-Dibromo-1-propanol, Dichloroacetic acid, Dichloroaniline (mixed isomers), 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, Epichlorohydrin, Ethyl chloride, Ethyl cyanoacrylate, Ethyl mercaptan, o-Ethylaniline, EDB, EDC, Ethylene glycol, Ethylene thiourea, Formaldehyde, Formamide, Furan, Gentian Violet, Ethylene glycol monophenyl ether, 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, MIBK, Methyl isopropyl ketone, Methyl methacrylate, Methylamine, 2-Methylaziridine, Methylene chloride, 2-Methylimidazole, 4-Methylimidazole, 2-Methylacetonitrile, 2-Methylpyridine, 5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)-amino]-2-oxazolidinone, 1,5-Naphthalenediamine, beta-Naphthol, 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, 2-Methylnaphthalene, Parabens, PCBTF, Perchloroethylene, Phenol, Phenylhydrazine and its salts, Phosgene, Phosphorus oxychloride, Phosphorus trichloride, Triorthocresyl phosphate, Phthalates, beta-Picoline, 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, Terephthalic acid, Tetrachlorophthalic-anhydride, Thioacetamide, Thiourea, Toluene, Toluene sulfonic acids, o-Toluidine, 1,1,1-TCA, TCE, 1,2,4-Trimethylbenzene, Tris(1-aziridinyl)phosphine oxide, Urethane, Vinylidene chloride, N-Vinyl-2-pyrrolidone, Xylenes, o-Xylene, Xylidine, 2,4-Xylidine, Zinc, Zinc oxide, Any other listed substances</u></p>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Biological Products (SIC 2836)</u>	<u>Arsenic, Benzene, 3-Chlorophenol, Cycloheximide, EDC, Lead, beta-Propiolactone, 1,1,1-TCA</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Drug/Pharmaceutical Manufacturing (SIC 283x)</u>	<u>Medicinals & Botanicals (SIC 2833)</u>	<u>Acetonitrile, Acrolein, Acrylonitrile, Ammonia, Arsenic, Arsenic trioxide, Benzene, Benzoyl peroxide, Benzyl alcohol, Bis(2-chloroethyl) ether, n-Butyl alcohol, tert-Butyl alcohol, n-Butyronitrile, Carbon tetrachloride, Chlorine, Chloroprene, Coal tar, Cobalt chloride (hexahydrate), Cobalt octoate, Diphenylhydantoin, EDC, Formaldehyde, Glutaraldehyde, Hexachlorophene, Hexafluoroacetone, Hydrochlorothiazide, Hydrogen chloride, Iodine, Lead, Magnesium oxide, Malononitrile, 2-Mercaptobenzothiazole, Mercury, Methyl acrylate, Methyl bromide, Methyl methacrylate, 2-Methylaziridine, Methylene chloride, Oxybenzone, PAHs and PAH-related compounds, p-Phenetidine, Phenol, Propylene glycol dinitrate, Ribavirin, Sodium chlorite, Sodium fluoride, Styrene and copolymers, Succinic anhydride, Sulfamethazine, Tamoxifen citrate, p-tert-Butyl toluene, delta-9-THC, Thioglycolic acid and salts, Toluene, o-Toluidine, Trientine hydrochloride, Vinylidene chloride, p-Xylene</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 & Transfer, Appendix C-I</u>	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

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 (see <u>note 40</u> Notes)
Chemical Manufacturing (SIC 28xx)	Dyes Manufacturing (SIC 2865)	-	<p><u>Acetoacetanilide, Acetophenone, Acrylamide, Allyl bromide, 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, Direct Black 38, Direct Blue 6, Direct Blue 218, Direct Brown 95, Benzoyl chloride, Benzyl chloride, Bis(2-chloro-1-methylethyl) ether, Bromine, 2-Bromopropane, n-Butyl alcohol, sec-Butyl alcohol, Carbazole, Catechol, Chloroacetic acid, p-Chloroaniline, Chlorobenzenes, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 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, Sodium dichromate, m-Cresidine, p-Cresidine, Cresols, Cyanide compounds (inorganic), N-Nitrosodiethylamine, 2,4-Diaminoanisole, 1,2-Diamino-4-nitrobenzene, 1,4-Diamino-2-nitrobenzene, 2,4-Diaminotoluene, 2,5-Diaminotoluene, Dibenzofurans, Dichloroaniline (mixed isomers), 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, Epichlorohydrin, Ethyl chloride, N-Ethylaniline, o-Ethylaniline, EDB, ETO, Ethylene thiourea, Ethylenediamine, Hydrogen fluoride, Formamide, Furfuryl alcohol, Glutaraldehyde, Glycol ethers and their acetates, Hexachlorocyclopentadiene, 2,4-Hexadienal, Hexamethylenetetramine, Hydrazine, Hydrochloric acid, 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, alpha-Naphthalene sulfonic acid, beta-Naphthalene sulfonic acid, 1,5-Naphthalenediamine, beta-Napthol, Nitric acid, p-Nitroaniline, o-Nitroanisole, Nitrobenzene, 1-Nitronaphthalene, 5-Nitro-o-toluidine, 4-Nitrophenol, 2-Nitropropane, 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, beta-Picoline, POM, Pyridine, Quinoline, Quinone, Succinic anhydride, Sulfuric acid, Sulfuryl fluoride, Tetrachlorophthalic-anhydride, Thioacetamide, Thionyl chloride, Thiourea, 4-t-Octylphenol, m-Toluidine, o-Toluidine, TCE, 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>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
Chemical Manufacturing (SIC 28xx)	Elastomer & Surfactant Manufacturing	-	<u>Chloroacetic acid, p-Cresol, Cyclosiloxanes, Epichlorohydrin, Diethylene glycol, Hexachlorobutadiene, Hexafluoropropylene, Isocyanates, Toluene diisocyanates, 1,5-Naphthalenediamine, N,N'-Diethylthiourea, Nonylphenol ethoxylates, o-Phenylenediamine and its salts, Phosphorus pentoxide, Propylene oxide, Succinic anhydride</u>
Chemical Manufacturing (SIC 28xx)	Ethers Manufacturing (SIC 2869)	-	Dimethyl sulfate, <u>Furfuryl alcohol, Isopropyl glycidyl ether, 2-Methylaziridine</u> , Nitrobenzene, Propylene oxide
Chemical Manufacturing (SIC 28xx)	Ethylene dichloride Production	Any/all operations, especially <u>Oxychlorination, Air & Oxygen Process, Vents, Storage</u>	Carbon tetrachloride, Chloroform, EDC
Chemical Manufacturing (SIC 28xx)	Explosives (SIC 2892)	-	<u>Acetaldehyde, Acetamide, Aluminum, Ammonia, Ammonium chloride, Ammonium nitrate, Aniline, Antimony, Arsenic, Potassium bromate, 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, Propylene glycol dinitrate, Pyridine, Sulfur, Sulfur trioxide, Sulfuric acid, Toluene</u>
Chemical Manufacturing (SIC 28xx)	Fertilizers - see Chemical Manufacturing (Agricultural), Appendix C-II	-	-
Chemical Manufacturing (SIC 28xx)	Flame Retardants Manufacturing (SIC 2899)	-	<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>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
Chemical Manufacturing (SIC 28xx)	Fluorocarbon Manufacturing	Any/all operations, especially Reactor Venting, Distillation, Vents, Storage	Carbon tetrachloride, Chloroform, Fluorocarbons (Chlorinated), Perfluoro and polyfluoro compounds
Chemical Manufacturing (SIC 28xx)	Industrial Inorganic Chemical Manufacturing (SIC 281x)	Miscellaneous (SIC 281x, 2819)	Acetaldehyde, Acrolein, Acrylonitrile, Allyl chloride, Ammonia, Arsenic, Benzene, Benzidine, Benzidine and its salts , Benzyl chloride, Beryllium sulfate , Bromine , 1,3-Butadiene, Cadmium, Calcium oxide , Carbon tetrachloride, Chlorine, Chlorobenzene, 1,4-Dichlorobenzene, Chloroform, 3-Chlorophenol , Chromium, Chromium (III) Sulfate , Copper, Dimethylamine , 1,1-Dimethylhydrazine , 1,4-Dioxane , Epichlorohydrin, EDB, EDC, ETO, CFC-113, Formaldehyde, Gasoline vapors, Hexachlorobenzene, Hexachloropentadiene, Hydrochloric acid , Hydrogen chloride, Hydrogen sulfide, Isocyanates , Methyl isocyanate, Toluene diisocyanates, Lead, Maleic anhydride, Manganese, Mercury, Methyl methacrylate, Methylene chloride, Mineral fibers (asbestos and related), Nickel, p-Nitroaniline , Nitrobenzene, Nitrosomorpholine, N,N-Dimethylacetamide , PAHs and PAH-related compounds , Naphthalene, PCBs, Pentaborane , Perchloroethylene, Phenol, Phosgene, Phosphorus, Phthalic anhydride, Propylene oxide, Radionuclides, Selenium hexafluoride , Sodium fluoride , Styrene and copolymers, 1,1,1,2-Tetrachloroethane , Toluene, 1,1,1-TCA, TCE, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc, Zinc oxide
Chemical Manufacturing (SIC 28xx)	Industrial Inorganic Chemical Manufacturing (SIC 281x)	Alkalies & Chlorine (SIC 2812)	Ammonia, Arsenic, Benzene, 1,3-Butadiene, Carbon tetrachloride, Chlorine, Chlorobenzene, Tetrachlorobenzene (mixed isomers) , 1,2,3,4-Tetrachlorobenzene , 1,2,4,5-Tetrachlorobenzene , 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone , Chloroform, Formaldehyde, Hydrogen chloride, Mercury, Mineral fibers (asbestos and related), Phosgene, 1,1,1,2-Tetrachloroethane , Toluene, TCE, Vinyl chloride, Vinylidene chloride
Chemical Manufacturing (SIC 28xx)	Industrial Inorganic Chemical Manufacturing (SIC 281x)	Industrial Gases (SIC 2813)	Arsenic, Beryllium, Carbon tetrachloride, ETO, Hydrogen chloride, Mercury, Selenium hexafluoride

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
Chemical Manufacturing (SIC 28xx)	Industrial Inorganic Chemical Manufacturing (SIC 281x)	Pigments, Inorganic (SIC 2816)	<u>Acetoacetanilide, Aluminum phosphide, Ammonia, Anthraquinone, Antimony trioxide, Antimony trisulfide, Arsenic, Arsenic pentoxide, n-Butyl alcohol, sec-Butyl alcohol, Cadmium, Cadmium chloride, Chloroacetic acid, p-Chloroaniline, Chloroform, 2,4-Dichlorophenol, Chromium, Chromium hexavalent, Barium chromate, Calcium chromate, Sodium dichromate, Strontium chromate, Chromium (III) Sulfate, Cobalt octoate, Copper, m-Cresidine, p-Cresidine, 2,4-Diaminoanisole, 3,3'-Dichlorobenzidine dihydrochloride, 1,4-Dichloro-2-nitrobenzene, Dimethyl sulfate, 1,4-Dioxane, Hydrazine, Hydrogen chloride, Iron oxide, Lead, Lead acetate, Molybdenum trioxide, beta-Naphthol, p-Nitroaniline, Nitrotoluenes, Phenyl ether-biphenyl mixture (vapor), Tin oxide, Titanium dioxide, Titanium tetrachloride, o-Toluidine, Zinc, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Inks (SIC 2893)	-	<u>Barium sulfate, t-Butyl acetate, Chromium hexavalent, Lead chromate, Epichlorohydrin, Lead acetate, Octylphenol, PCBTF</u>
Chemical Manufacturing (SIC 28xx)	Inks (SIC 2893)	Miscellaneous	<u>Acrylic acid, t-Butyl acetate, n-Butyl alcohol, sec-Butyl alcohol, Catechol, Chromium (III) Sulfate, Dimethoxane, Dioxane, Ethylene, Ethylene glycol, Isophorone, Isopropyl alcohol, PCBTF, Tri-n-butyl phosphate, Toluene, Trimethylolpropane triacrylate, Vanadium pentoxide, N-Vinyl-2-pyrrolidone</u>
Chemical Manufacturing (SIC 28xx)	Inks (SIC 2893)	Printing (SIC 2893)	<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, Titanium dioxide, Toluene, TCE, Trimellitic anhydride, Vinyl chloride, Xylenes, p-Xylene, Zinc, Zinc oxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
Chemical Manufacturing (SIC 28xx)	<u>Metal Chelating Agent Manufacturing, Corrosion Inhibitor, Metal Treatment Chemicals</u>	-	<u>gamma-Butyrolactone, Chlorinated diphenyl oxide, Chromium hexavalent, Calcium chromate, Sodium dichromate, Cupferron, Decaborane, Diethylenetriamine, Dimethyl glutarate, Ethylenediamine, Formaldehyde, 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, Tetramethylethylenediamine, Thiourea</u>
Chemical Manufacturing (SIC 28xx)	<u>Methionide/Methionine Analogs Production (animal/poultry feed supplement)</u>	-	<u>Acrolein, Magnesium oxide</u>
Chemical Manufacturing (SIC 28xx)	<u>Methyl Chloroform Production</u>	<u>From: hydrochlorinated vent condenser, steam stripper vent condenser</u>	<u>Ethylene dichloride</u>
Chemical Manufacturing (SIC 28xx)	<u>Military Chemical Production</u>	-	<u>t-Butyl acetate, Carbonyl fluoride, Chloroform, Cyanogen chloride, EDC, Isocyanates, Perchloromethyl mercaptan, Phosgene, Phosphorus oxychloride, Thionyl chloride, Toluene</u>
Chemical Manufacturing (SIC 28xx)	<u>Monomers (SIC 282x, 286x)</u>	<u>Miscellaneous</u>	<u>Acetaldehyde, Acrylonitrile, Ammonia, Benzene, Biphenyl, Bromonaphthalene, 1,3-Butadiene, n-Butyl alcohol, Carbon tetrachloride, Chlorine, Chloromethyl methyl ether, 4-Chloro-o-phenylenediamine, Dioxane, Epichlorohydrin, Ethyl chloride, EDB, EDC, ETO, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Hydrochloric acid, Hydroquinone, Isocyanates, Maleic anhydride, Methyl bromide, Methyl carbamate, Methyl methacrylate, Methylene chloride, Nitrobenzene, PAHs and PAH-related compounds, Naphthalene, PCBs, Perchloroethylene, Phenol, Phthalic anhydride, Propylene, Propylene oxide, Sodium hydroxide, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, Trichlorophenol, Urethane, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc</u>
Chemical Manufacturing (SIC 28xx)	<u>Monomers (SIC 282x, 286x)</u>	<u>Vinyl Chloride</u>	<u>EDC, Mercuric chloride, Vinyl chloride</u>
Chemical Manufacturing (SIC 28xx)	<u>Nuclear Fuel Fabrication</u>	-	<u>Chlorine trifluoride, Hydrazine, MIBK, Radionuclides, Uranium and compounds</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
Chemical Manufacturing (SIC 28xx)	Organic Chemical Manufacturing (SIC 286x)	-	<u>Acrylamide, Acrylonitrile, Allyl isothiocyanate, Allyl isovalerate, Arsine, Benzidine and its salts, Benzotrichloride, Benzyl chloride, Bis(2-chloroethyl) ether, Boron trichloride, Boron trifluoride complexes, Bromine, Bromine pentafluoride, Bromobenzene, Bromoform, tert-Butyl chromate(VI), Carbon tetrachloride, Carbonyl fluoride, Chloramine, Chloroacetic acid, 2-Chloroacetophenone, Chlorobenzene, Chloroform, 2-Chlorophenol, Cobalt, Crotonaldehyde, Hydrogen cyanide, Cyclohexanol, Dibromochloropropane, Dibutyl phosphate, Dibutyl phthalate, Dichloroacetic acid, 1,3-Dichloropropene, Dimethyl carbonate, 1,4-Dioxane, Dioxins, 1,3-Dioxolane, Diphenyl thiourea, Ethyl chloride, Ethyl mercaptan, EDB, EDC, Ethylidene dichloride, Formaldehyde, Formamide, Glycol ethers and their acetates, Hexachlorocyclopentadiene, Hexachloroethane, 2,4-Hexadienal, Hexamethylphosphoramide, Hydrazine, 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-Methylactonitrile, 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, Triethylphosphine, Polychlorinated dibenzofurans, beta-Propiolactone, Propionaldehyde, Pyridine, Quinoline, Selenium, Sodium azide, Styrene oxide, Sulfuryl fluoride, 3,3',4,4'-Tetrachlorobiphenyl, 1,1,1,2-Tetrachloroethane, Thionyl chloride, Thiourea, Toluene, m-Toluidine, o-Toluidine, 2,4,6-Trichloroaniline, 1,1,2-TCA, Vanadium pentoxide, Vinyl bromide, Vinyl cyclohexene dioxide, Vinylidene chloride, Vinylidene chloride-vinyl chloride copolymers, m-Xylene, Zinc</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
Chemical Manufacturing (SIC 28xx)	Organic Chemical Manufacturing (SIC 286x)	Cyclic Crudes & Intermediates (SIC 2865)	<u>Acetal</u> , <u>Acetaldehyde</u> , <u>Acetoacetanilide</u> , <u>Acrolein</u> , <u>Acrylic acid</u> , <u>Acrylonitrile</u> , <u>Allyl bromide</u> , <u>2-Aminoanthraquinone</u> , <u>4-Aminobiphenyl</u> , <u>2-Amino-4-chlorophenol</u> , <u>4-Amino-2-nitrophenol</u> , <u>Ammonia</u> , <u>Arsenic</u> , <u>Benzene</u> , <u>Benzidine</u> , <u>Benzidine and its salts</u> , <u>Benzotrichloride</u> , <u>Benzyl chloride</u> , <u>Biphenyl</u> , <u>Bis(2-ethylhexyl) adipate</u> , <u>Bromine</u> , <u>1-Bromo-3-chloropropane</u> , <u>Bromonaphthalene</u> , <u>1,3-Butadiene</u> , <u>n-Butyl alcohol</u> , <u>sec-Butyl alcohol</u> , <u>Carbazole</u> , <u>Carbon disulfide</u> , <u>Carbon tetrachloride</u> , <u>Chloramine</u> , <u>Chlorine</u> , <u>Chloroacetonitrile</u> , <u>Chlorobenzene</u> , <u>1,2-Dichlorobenzene</u> , <u>1,4-Dichlorobenzene</u> , <u>Tetrachlorobenzene (mixed isomers)</u> , <u>1,2,3,4-Tetrachlorobenzene</u> , <u>1,2,4,5-Tetrachlorobenzene</u> , <u>Chloroform</u> , <u>Chloromethyl methyl ether</u> , <u>1-Chloro-2-nitrobenzene</u> , <u>4-Chloro-o-phenylenediamine</u> , <u>2,5-Dichlorophenol</u> , <u>Pentachlorophenol (Chlorophenols)</u> , <u>p-Chlorotoluene</u> , <u>Chromium</u> , <u>Chromium hexavalent</u> , <u>Chromium trioxide</u> , <u>Sodium dichromate</u> , <u>Cobalt compounds</u> , <u>Cobalt sulfide</u> , <u>p-Cresidine</u> , <u>Cresol</u> , <u>Cupferron</u> , <u>Cyclododecane</u> , <u>Cyclohexane</u> , <u>Cyclooctadienes</u> , <u>Diazomethane</u> , <u>Dibenzofurans</u> , <u>3,3'-Dichlorobenzidine</u> , <u>Diethanolamine</u> , <u>Diglycidyl ether</u> , <u>Dimethyl disulfide</u> , <u>Dimethyl sulfate</u> , <u>1,1-Dimethylhydrazine</u> , <u>Dinitrotoluenes (mixed isomers)</u> , <u>1,4-Dioxane</u> , <u>EDC</u> , <u>ETO</u> , <u>Formaldehyde</u> , <u>Gasoline vapors</u> , <u>Heptachlor</u> , <u>Hexachlorobenzene</u> , <u>Hydrazine</u> , <u>Hydrochloric acid</u> , <u>Hydrogen chloride</u> , <u>Hydrogen sulfide</u> , <u>Iodine</u> , <u>Isocyanates</u> , <u>Methyl isocyanate</u> , <u>Toluene diisocyanates</u> , <u>Maleic anhydride</u> , <u>Methanol</u> , <u>Methyl bromide</u> , <u>Methyl iodide</u> , <u>MIBK</u> , <u>Methyl triflate</u> , <u>Methylene chloride</u> , <u>2-Methylpyridine</u> , <u>Michler's ketone</u> , <u>mono-Nitroaniline</u> , <u>5-Nitroacenaphthene</u> , <u>Nitrobenzene</u> , <u>3-Nitrofluoranthene</u> , <u>1-Nitropyrene</u> , <u>Nitrosomorpholine</u> , <u>N-Nitroso-N-methylurea</u> , <u>PAHs and PAH-related compounds</u> , <u>Chrysene</u> , <u>Naphthalene</u> , <u>Pentachloronitrobenzene</u> , <u>Phenol</u> , <u>Phosgene</u> , <u>Phosphorus trichloride</u> , <u>Phthalic anhydride</u> , <u>Phthalonitrile</u> , <u>POM</u> , <u>Styrene and copolymers</u> , <u>Sulfur trioxide</u> , <u>Terephthalic acid</u> , <u>Toluene</u> , <u>1,1,2-TCA</u> , <u>TCE</u> , <u>1,3,5-Trimethylbenzene</u> , <u>Vinyl chloride</u> , <u>4-Vinylcyclohexene</u> , <u>Xylenes</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Organic Chemical Manufacturing (SIC 286x)</u>	<u>Gum & Wood Chemicals (SIC 2861)</u>	<u>Arsenic, Arsenic trioxide, Benzene, n-Butyl alcohol, Carbon tetrachloride, Chromium, 1,2-Dichloropropane, ETO, Formaldehyde, Glycol ethers and their acetates, Toluene diisocyanates, Isophorone, MIBK, N,N-Dimethylacetamide, PAHs and PAH-related compounds, Benzo[a]pyrene, Naphthalene, Tri-n-butyl phosphate, POM, n-Propyl alcohol</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Organic Chemical Manufacturing (SIC 286x)</u>	<u>Gum & Wood Chemicals, Wood Chemical Manufacturing (SIC 2861)</u>	<u>Arsenic, n-Butyl alcohol, Carbon tetrachloride, 2,4-Dichlorophenol, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol, Creosotes, Cresols, Cresylic Acid, ETO, Mercuric chloride, Phenol, Xylenes</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
Chemical Manufacturing (SIC 28xx)	Paints & Allied Products (SIC 285x)	-	<p>Acetaldehyde, Acetamide, Acrylic acid, Allyl methacrylate, Aluminum oxide, Ammonia, Arsenic, Arsenic pentoxide, Barium, Barium sulfate, Benzene, Benzofuran, Benzonitrile, Bis(2-chloroethyl) ether, Boron oxide, Butadiene, tert-Butyl alcohol, n-Butyl glycidyl ether, gamma-Butyrolactone, Carbon disulfide, Carbon tetrachloride, Chloroform, Chloromethoxy propyl mercuric acetamide, Chlorophenols, Chromium, Chromium (III) Sulfate, Cobalt, Cobalt compounds, Copper, Cresol, Cyclosiloxanes, D6, Dibutyl phosphate, 1,3-Dichloro-2-propanol, Diethylenetriamine, Diglycidyl ether, Dimethoxane, Dimethyl carbonate, 1,4-Dioxane, Diuron, Epichlorohydrin, Epoxy resins, Ethyl acetate, Ethyl acrylate, Ethyl benzene, Ethyl methacrylate, Ethylene, EDC, Ethylene glycol, 2-Ethylhexyl acrylate, Trichlorofluoromethane, Formaldehyde, Glutaraldehyde, Glycol ethers and their acetates, Hexane, Hydroquinone, Isobutyl acrylate, Isobutyl alcohol, Isocyanates, Toluene diisocyanates, Isophorone, Isoprene, Isopropyl alcohol, Lead, Lead acetate, Manganese, Mercury, Methacrylic acid, Methyl ethyl ketone, MIBK, Methyl methacrylate, Methyl phenyl carbinol, 2-Methylaziridine, Methylene bis(4-cyclohexylisocyanate), Methylene chloride, Methyl-n-butyl ketone, Mica, Mineral fibers (asbestos and related), Naphtha (coal tar), Nickel, Nitrilotriacetic acid, Nitrobenzene, 2-Nitropropane, Nonylphenol ethoxylates, PAHs and PAH-related compounds, Naphthalene, PCBTf, Perchloroethylene, Perfluoro and polyfluoro compounds, PFOA, Phenol, 2-Phenylphenol, Trimethyl phosphate, Tri-n-butyl phosphate, Triorthocresyl phosphate, Phthalates, Phthalic anhydride, n-Propyl alcohol, Quinoline, Silica (crystalline, respirable), Sodium diamyl sulfosuccinate, Sodium fluoride, Styrene and copolymers, Styrene oxide, Terephthalic acid, 3,3',4,4'-Tetrachlorobiphenyl, 1,1,1,2-Tetrachloroethane, Toluene, Toluene sulfonic acids, 1,1,1-TCA, TCE, Triethylamine, 1,2,4-Trimethylbenzene, Vinyl acetate, Vinyl toluene, Wollastonite, Xylenes, Zinc, Zinc oxide</p>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
Chemical Manufacturing (SIC 28xx)	Paints & Allied Products	Pigment	<u>Acetoacetanilide, Acetophenone, Aluminum phosphide, o-Anisidine, Anthraquinone, Antimony trioxide, Antimony trisulfide, Barium sulfate, Benzyl chloride, n-Butyl alcohol, sec-Butyl alcohol, tert-Butyl alcohol, Cadmium, p-Chloroaniline, Chromium hexavalent, Barium chromate, Calcium chromate, Chromium trioxide, Lead chromate, Sodium dichromate, Strontium chromate, Cobalt compounds, m-Cresidine, 3,3'-Dichlorobenzidine dihydrochloride, 3,3'-Dichlorobenzidine, Ethylidene dichloride, Hydrochloric acid, Iodine, Iron oxide, 2-Methylimidazole, 4-Methylimidazole, Michler's ketone, Molybdenum trioxide, beta-Naphthol, 5-Nitro-o-toluidine, Nitrotoluenes, o-Phenylenediamine and its salts, Phosphoric acid, Phthalic anhydride, Phthalonitrile, Selenium, Sodium cyanide, Sulfuric acid, Tin oxide, Toluene, o-Toluidine, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Perfume (SIC 2844)	-	<u>Acetal, Acetonitrile, Acetophenone, Acrolein, Allyl bromide, Anthranilic acid, Benzaldehyde, Benzyl chloride, 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, beta-Myrcene, beta-Naphthol, 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>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
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, Benzotrithloride, Benzoyl chloride, 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, Chloroacetoneitrile, p-Chloroaniline, Chlorobenzenes, Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, Chlorobenzilate, Chloroform, Chloromethoxy propyl mercuric acetamide, p-Chloro-o-toluidine hydrochloride, p-Chloro-o-toluidine, Chlorophenols, 2,4-Dichlorophenol, 2,5-Dichlorophenol, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol sodium salt, 2,4,6-Trichlorophenol, Chloropicrin, 2-Chloropropionic acid, Chlorpyrifos, Chlorthal-dimethyl, Chromium hexavalent, Sodium dichromate, Cresols, Crotonaldehyde, Cyanamide, Cyanide compounds (inorganic), Hydrocyanic acid, Cycloate, Cyclohexanethiol, Cycloheximide, Des-isopropyl atrazine, N-Nitrosodimethylamine, 2,4-Diaminotoluene, Diazinon, Diazoaminobenzene, Dibromochloromethane, Dibromochloropropane, 2,3-Dibromo-1-propanol, Dibutyl phthalate, Dichloroaniline (mixed isomers), 1,4-Dichloro-2-butene, 1,4-Dichloro-2-nitrobenzene, 2,4-D and salts/esters, 2,6-Dichloro-p-phenylenediamine, 1,2-Dichloropropane, 1,3-Dichloropropene, Dichlorvos, Diclofop methyl, Dicofol, 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, Endosulfan, Endrin, 1,2-Epoxybutane, Ethoprop, EPTC, Ethyl mercaptan, Ethyl parathion, o-Ethylaniline, Ethylene, EDB, ETO, Ethylene thiourea, Ethylenediamine, 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, Lindane, Hexachlorocyclopentadiene, Hexachloroethane, 2,4-Hexadienal, Hexahydrophthalic anhydride, Hydrazine, Hydrogen peroxide (>5%), Iodine, Iprodione, Isobutyl alcohol, Isobutyronitrile, Isocyanates, Isophorone, Kresoxim-methyl, Lead arsenate, Lead acetate, 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, beta-Myrcene, Nabam, beta-Napthol, Nitrpyrin, p-Nitroaniline, Nitrobenzene, 4-Nitrobiphenyl, 1-Nitronaphthalene, 4-Nitrophenol, 2-Nitropropane, Nonylphenol, Nonylphenol ethoxylates, Oryzalin, Oxadiazon, Oxydemeton methyl, Oxyfluorfen, Oxythioquinox, PAHs and PAH-related compounds, Naphthalene, Paraformaldehyde, Paraquat, Parathion, PCBTF, Pendimethalin, Pentachloronitrobenzene, Peracetic acid, Perchloromethyl mercaptan, Permethrin, Phenol, o-Phenylenediamine and its salts, 2-Phenylphenol, Phorate, Phosgene, Phosmet, Phosphorus, Phosphine, Phosphoric acid, Phosphorus oxychloride, Phosphorus trichloride, Trimethyl phosphate, Tri-n-butyl phosphate, Triphenyl phosphite, Phthalimide, beta-Picoline, Polychlorinated dibenzofurans, Potassium dimethyldithiocarbamate, Potassium phosphite, Procyimdone, 1-Propanethiol, Propargite,</u></p>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
			<p><u>Propoxur, n-Propyl alcohol, n-Propyl bromide, Propylene oxide, Propyzamide, Pymetrozine, Quinone, Resmethrin, Sedaxane, Silica (crystalline, respirable), Silver, Simazine, Sodium aluminum fluoride, Sodium azide, Sodium diamyl sulfosuccinate, Sodium dimethyldithiocarbamate, Sodium fluoride, Sodium hydroxide, Sodium tetrathiocarbamate, Spirodiclofen, Succinic anhydride, Sulfur, Sulfur dioxide, Sulfur tetrafluoride, Sulfuric acid, Sulfuryl fluoride, Terrazole, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 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, 1,1,2-TCA, Trifloxystrobin, Trifluralin, Trimethyl 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></p>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Chemical Manufacturing (SIC 28xx)	Photographic Chemicals Manufacturing	-	<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>
Chemical Manufacturing (SIC 28xx)	Pigment (metal containing) Manufacturing	-	<u>Benzonitrile, Cadmium, Cadmium chloride, Chromium, Chromium hexavalent, Barium chromate, Calcium chromate, Chromium trioxide, Sodium dichromate, Strontium chromate, Cobalt compounds, Copper, 3,3'-Dichlorobenzidine, Iron oxide, Lead, Lead acetate, Nickel, Tin oxide, Zinc, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Pigment (metal containing) Manufacturing	<u>Also see Chemical Manufacturing, Inks and Paints, Appendix C-II</u>	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)(Notes)</u>
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	-	<u>Acetamide, Acetonitrile, Acrolein, Acrylamide, Acrylic acid, Acrylonitrile, Adipic acid, Allyl bromide, Aluminum diethyl phosphinate, Ammonia, Arsenic, Barium, Benzene, Benzidine, Benzidine and its salts, Benzofuran, Benzophenone, Benzoyl peroxide, Bis(chloromethyl) ether, Bis(2-ethylhexyl) adipate, t-Butyl acetate, Cadmium, Carbon nanotubes, Carbon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chromium, Chromium hexavalent, Cobalt, Cresols, Hydrocyanic acid, Cyclododecane, Cyclohexanol, N-Nitrosodimethylamine, 2,4-Diaminotoluene, Dibenzofurans, Dichloroaniline (mixed isomers), 1,2-Dichloropropane, Di(2-ethylhexyl) phthalate, Dimethyl formamide, Dinitrotoluenes (mixed isomers), 1,4-Dioxane, Dioxins, 1,3-Dioxolane, Disulfiram, 1-Dodecanethiol, Epoxy resins, Ethyl methacrylate, Ethylene, Ethylene glycol, 2-Ethylhexyl acrylate, Flame retardants, Hydrogen fluoride, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Diethylene glycol dimethyl ether, EGDMA, Hexachlorobutadiene, Hexachlorocyclopentadiene, 2,4-Hexadienal, Hexafluoroacetone, Hydrazine, Hydrochloric acid, 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-Methylacrylonitrile, Methylstyrene, Mineral fibers (asbestos and related), Naphtha (coal tar), Nickel, p-Nitrosodiphenylamine, N,N-Dimethylaniline, PAHs and PAH-related compounds, Paraformaldehyde, PBBs, PCBTF, Perchloroethylene, Ammonium perfluorooctanoate, Phenol, Phosgene, Trimethyl phosphate, Tri-n-butyl phosphate, Triorthocresyl phosphate, Triphenyl phosphate, Triphenyl phosphite, Phthalates, Phthalic anhydride, Polychlorinated dibenzofurans, POM, Propionaldehyde, Silicon carbide, fibrous, Silicon carbide whiskers, Sodium hydroxide, Styrene and copolymers, Succinic anhydride, Sulfuric acid, 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, TCE, Trimellitic anhydride, Trimethyl phosphite, Vinyl acetate, Vinyl bromide, Vinyl chloride, Vinyl fluoride, Vinylidene chloride, Zinc</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Cellulosic Man-Made Fibers (SIC 2823)	<u>Ammonia, Arsenic, Benzene, Caprolactam, Chlorine, Dimethyl Adipate, EDC, Hydrogen chloride, N,N-Dimethylacetamide, Terephthalic acid</u>
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Manmade Organic Fibers, noncellulosic (SIC 2824)	<u>Acetonitrile, Acrylonitrile, Adipic acid, Allyl chloride, Barium sulfate, Caprolactam, Copper, Cyclododecane, Cyclohexanone, Dichloroacetic acid, Dimethyl formamide, Dimethyl sulfate, EDC, Toluene diisocyanates, Malononitrile, N,N-Dimethylacetamide, Phenyl ether-biphenyl mixture (vapor), Sodium hydroxide, Terephthalic acid, Toluene, Vinylidene chloride, p-Xylene</u>
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers (SIC 2821)	<u>Acetaldehyde, Acrolein, Acrylic acid, Acrylonitrile, Allyl chloride, Ammonia, Arsenic, Benzene, Benzonitrile, Bis(2,3-epoxycyclopentyl) ether, 1,3-Butadiene, Cadmium, Caprolactam, Carbon tetrachloride, Chloral, Chlorinated diphenyl oxide, Chlorine, Chloroethane, Cobalt, Cresol, Hydrogen cyanide, Cyclododecane, Cyclosiloxanes, N-Nitrosodiethylamine, 2,4-Diaminotoluene, Dichloroaniline (mixed isomers), 3,3'-Dichlorobenzidine, 2,6-Diethylaniline, Diethylenetriamine, Diglycidyl ether, Dimethyl methylphosphonate, Dimethyl terephthalate, 4-Dimethylaminoazobenzene, Epichlorohydrin, Ethyl mercaptan, EDC, ETO, Ethyleneimine, 2-Ethylhexyl acrylate, Ferrocene, Formaldehyde, Gasoline vapors, Glycidyl methacrylate, Hexahydrophthalic anhydride, Hydrogen chloride, Hydrogen sulfide, Isobutyl methacrylate, Isocyanates, Toluene diisocyanates, Isoprene, Lanthanum, Lead, Maleic anhydride, Mercury, 4-Methoxyphenol, Methyl ethyl ketone peroxide, Methyl methacrylate, Methylacrylonitrile, Methylene bis(4-cyclohexylisocyanate), Methylene chloride, Methylstyrene, Mineral fibers (asbestos and related), 1,5-Naphthalenediamine, Nitrobenzene, 2-Nitropropane, N,N-Dimethylacetamide, PBBs, PCBs, PCBTf, Perchloroethylene, Phenol, Phosgene, Propionaldehyde, Propylene, Propylene oxide, Sodium cyanide, Styrene and copolymers, Terephthalic acid, 3,3',4,4'-Tetrachlorobiphenyl, Tetrahydrofuran, Thioacetamide, 4-t-Octylphenol, Toluene, TCE, Tricresyl phosphate, Trimellitic anhydride, 1,3,5-Trimethylbenzene, Vinyl chloride, Vinyl chloride-vinyl acetate copolymers, Vinyl fluoride, Vinylidene chloride, Vinylidene chloride-vinyl chloride copolymers, Xylenes, Zinc oxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials & Synthetic Resins (SIC 282x)</u>	<u>Resin Manufacturing (SIC 2821)</u>	<u>Acrolein, Acrylamide, Acrylonitrile, Allyl bromide, Allyl chloride, Aluminum diethyl phosphinate, Ammonia, Ammonium chloride, Ammonium sulfate, Barium sulfate, Benzene, Benzofuran, Benzonitrile, Benzoyl peroxide, Benzyl chloride, Biphenyl, Bis(chloromethyl) ether, Bis(2-chloro-1-methylethyl) ether, Bisphenol-related chemicals, Boron trifluoride complexes, Bromonaphthalene, n-Butyl alcohol, sec-Butyl alcohol, tert-Butyl alcohol, n-Butyl glycidyl ether, Carbon disulfide, Carbon nanotubes, Chlorendic acid, Chlorinated diphenyl oxide, 1,4-Dichlorobenzene, Chloromethyl methyl ether, 4-Chloro-o-phenylenediamine, Cresols, Crotonaldehyde, Cumene, Cyclohexanol, Cyclohexanone, Decahydronaphthalene, 2,4-Diaminotoluene, Dibutyl phosphate, 2,6-Dichloro-p-phenylenediamine, 1,2-Dichloropropane, Diethanolamine, 2,6-Diethylaniline, Diethylenetriamine, Di(2-ethylhexyl) phthalate, Diglycidyl ether, Dimethoxane, Dimethyl Adipate, Dimethyl glutarate, 3,3'-Dimethylbenzidine, Dinitrosopentamethylenetetramine, Dioxins, 1,2-Diphenylhydrazine, Epichlorohydrin, Epoxy resins, 1,2-Epoxybutane, Ethyl acrylate, Ethyl benzene, EDB, EDC, Ethylene thiourea, Ethylenediamine, Ethyleneimine, Ferrocene, Flame retardants, Formaldehyde, Formic acid, Furan, Furfural, Furfuryl alcohol, Glycidyl methacrylate, Glycol ethers and their acetates, Glycolonitrile, Hexachlorocyclopentadiene, Hexahydrophthalic anhydride, Hexamethylenetetramine, Hexamethylphosphoramide, Hydroquinone, 4-Hydroxyazobenzene, Isobutylene, Isocyanates, Isoprene, Isopropyl alcohol, Isopropyl glycidyl ether, Lanthanum, Lauroyl peroxide, Maleic anhydride, Melamine, Mercury, meta-Phenylenediamine, Methacrylic acid, Methyl chloride, Methyl ethyl ketone, Methyl ethyl ketone peroxide, MIBK, Methyl methacrylate, MOCA, 4,4'-Methylenedianiline (and dichloride), 2-Methylimidazole, 2-Methylacetonitrile, 1-Methylnaphthalene, Methylnaphthalene (mixed), 2-Methylpyridine, Nadic methyl anhydride, N,N-Dimethylacetamide, N,N-Dimethylaniline, Octylphenol, PAHs and PAH-related compounds, 2-Methylnaphthalene, Paraformaldehyde, Phenol, Phosgene, Tri-n-butyl phosphate, Triorthocresyl phosphate, Triphenyl phosphite, Phthalic anhydride, beta-Picoline, Polychlorinated dibenzofurans, Propionaldehyde, n-Propyl alcohol, n-Propyl bromide, n-Propyl carbamate, Shale oils, Sodium aluminum fluoride, Styrene and copolymers, Styrene oxide, Terephthalic acid, p-tert-Butyl toluene, Tetrahydrobenzaldehyde, Tetramethylethylenediamine, Thiourea, 4-t-Octylphenol, Trimellitic anhydride, 1,2,4-Trimethylbenzene, Trimethylolpropane triacrylate, 1,2,3-Tris(chloromethoxy)propane, Vinyl acetate, Vinyl cyclohexene dioxide, Vinyl toluene, Vinylidene chloride, Xylenes</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials & Synthetic Resins (SIC 282x)</u>	<u>Rubber Production & Compounding, Gaseous, Aerosol, & Particulate releases</u>	<u>Arsenic, Carbazole, Cyclosiloxanes, D5, Mica, Phenyl ether-biphenyl mixture (vapor)</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials & Synthetic Resins (SIC 282x)</u>	<u>Rubber Production & Compounding, Synthetic Monomers</u>	<u>Acrylonitrile, Bis(2,3-epoxycyclopentyl) ether, 1,3-Butadiene, Chloropyrene, Cyanogen chloride, Cyclohexane, Cyclohexanethiol, N-Nitrosodiethylamine, N-Nitrosodimethylamine, N-Nitrosodi-n-butylamine, Epichlorohydrin, Ethyl acrylate, EDC, ETO, Ferrocene, Propylene, Styrene and copolymers, Toluene sulfonic acids, Vanadium</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials & Synthetic Resins (SIC 282x)</u>	<u>Rubber Production & Compounding, Retardants</u>	<u>N-Nitrosodiphenylamine, Phthalic anhydride</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials & Synthetic Resins (SIC 282x)</u>	<u>Rubber Production & Compounding, Catalysts</u>	<u>n-Butyl glycidyl ether, Decaborane, Ferrocene, Magnesium oxide, Nickel</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Plastics Materials & Synthetic Resins (SIC 282x)</u>	<u>Rubber Production & Compounding, Solvents</u>	<u>Hexachloroethane, Naphtha (coal tar), 1,1,2,2-Tetrachloroethane, Toluene, 1,1,2-TCA, TCE</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Rubber Production & Compounding, Miscellaneous	Acetaldehyde, Acrylonitrile, Allyl chloride, Ammonia, Aniline, Barium sulfate , Benzene, Benzidine, Benzidine and its salts, Benzonitrile, p-Benzoquinone dioxime, Bis(chloromethyl) ether, Bisphenol-related chemicals , 1,3-Butadiene, Carbon disulfide , Carbon tetrachloride, Catechol , Chlorine, Chloroform, 1-Chloro-4-nitrobenzene , Chloroprene, Crotonaldehyde, Cyclohexane, Cyclohexanone, N-Nitrosodimethylamine , 3,3'-Dichlorobenzidine, 1,2-Dichloroethylene (cis, trans), 1,2-Dichloropropane, Diethanolamine, 2,6-Diethylaniline, Di(2-ethylhexyl) phthalate, Dimethylamine, 2,6-Dimethyl-N-nitrosomorpholine, Dinitrosopentamethylenetetramine, Epichlorohydrin, EDC, Ethylene thiourea, Ethylenediamine, Hexachlorobenzene, Hydrochloric acid, Hydrogen chloride, Hydroquinone, Iodine, Isobutylene, Toluene diisocyanates, Isoprene, Lanthanum, Lauroyl peroxide, Lead, Lead acetate, Maleic anhydride, Methyl chloride, 2-Methylaziridine, MOCA, Methylene chloride, 4,4'-Methylenedianiline (and dichloride), 2-Methylimidazole, 4-Methylimidazole, 2-Methylpyridine, Morpholine, beta-Napthol, Nitric acid, Nitrotriacetic acid, Nitrobenzene, 1-Nitronaphthalene, N-Nitrosodiphenylamine, Nitrosomorpholine, Nitrotoluenes, Pentachlorobenzenethiol, Perchloroethylene, Phenol, 2-Phenylphenol, Phosphoric acid, Phosphorus trichloride, Triorthocresyl phosphate, Triphenyl phosphite, Propionaldehyde, Pyridine, Selenium, Silica (crystalline, respirable), Sodium aluminum fluoride, Sodium dimethyldithiocarbamate, Sodium hydroxide, Styrene and copolymers, Sulfur, Sulfur tetrafluoride, Tetrafluoroethylene, Thioacetamide, 4,4'-Thiobis(6-tert-butyl-m-cresol), Titanium dioxide, 4-t-Octylphenol, Toluene, 1,1,2-TCA, Tricresyl phosphate, 1,3,5-Trimethylbenzene, Vinylidene chloride, Zinc, Zinc oxide
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Rubber Production & Compounding -- Also see Chemical Manufacturing, Monomers, Appendix C-II	-
Chemical Manufacturing (SIC 28xx)	Plastics Materials & Synthetic Resins (SIC 282x)	Synthetic Fibers	Aluminum oxide, Caprolactam, N-Nitrosodimethylamine, Ethylidene dichloride, Flame retardants, Hexamethylphosphoramide, Hydrogen sulfide, Malononitrile, meta-Phenylenediamine, Phenyl ether-biphenyl mixture (vapor), Styrene and copolymers, Terephthalic acid, Vinyl bromide

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
Chemical Manufacturing (SIC 28xx)	Polish & Wax Manufacturing (SIC 2842)	-	<u>1,2-Dichlorobenzene, Chloroform, Cyclosiloxanes, D4, Decahydronaphthalene, 4-Dimethylaminoazobenzene, Dioxane, Ethyl methacrylate, EDB, 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>
Chemical Manufacturing (SIC 28xx)	Preservatives, disinfectants, biocides	-	<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, 2,4,5-Trichlorophenol, Cresols, Dimethoxane, Dioxins, ETO, Ethylene sulfide, Fludioxonil, Formaldehyde, Glutaraldehyde, Ethylene glycol monophenyl ether, Hexachlorophene, Hexamethylenetetramine, Hydrochloric acid, Iodine, Iodoform, Isopropyl alcohol, Mercury, Peracetic acid, Phenol, Polychlorinated dibenzofurans, Potassium dimethyldithiocarbamate, Sodium azide, 1,1,1,2-Tetrachloroethane, Tricresyl phosphate, Trimethylamine, N-Vinyl-2-pyrrolidone, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	-	<u>4-Aminobiphenyl, Carbazole, Catechol, Chloroform, N-Nitrosodiethylamine, N-Nitrosodimethylamine, N-Nitrosodi-n-butylamine, Dioxins, Diphenylamine, 1-Dodecanethiol, Formaldehyde, Mica, Nitrobenzene, Phenols, Polychlorinated dibenzofurans, Styrene and copolymers, Thioacetamide</u>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Processing Aids	<u>Pentachlorobenzenethiol, Zinc</u>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Accelerators	<u>N-Nitrosodimethylamine, Diphenyl thiourea, Diphenylamine, Disulfiram, Ethylene thiourea, Ferrocene, Furfural, 2-Mercaptobenzothiazole, p-Nitrosodiphenylamine, o-Toluidine, Zinc, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Age Restorers	<u>2-Mercaptobenzothiazole, Nickel, Phenol</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Vulcanizing Agents	<u>Benzoyl peroxide, Decaborane, Disulfiram, Ethylene thiourea, Lead, 2-Mercaptobenzothiazole, N-Nitrosodiphenylamine, p-Phenylenediamine, Selenium, Sulfur, Thioacetamide, Thiourea, o-Toluidine, Zinc, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Rubber, Non-Vulcanized, Manufacturing	Rubber Compounding, Accelerator Activators	<u>Ammonia, Ferrocene, Lead, 2-Mercaptobenzothiazole, N,N'-Diethylthiourea, Zinc, Zinc oxide</u>
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, Potassium bromate, n-Butyl alcohol, sec-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, Epichlorohydrin, Ethyl acetate, Ethyl methacrylate, Ethylene, EDC, Ethylene glycol, ETO, Ethyleneimine, Trichlorofluoromethane, Glutaraldehyde, Glycol ethers and their acetates, Hexachlorocyclohexanes, Lindane, Hexachlorophene, Hydrogen chloride, Hydrogen peroxide (>5%), Hydroquinone, Iron oxide, Isobutyl methacrylate, Isopropyl alcohol, Kresoxim-methyl, Magnesium oxide, 4-Methoxyphenol, MIBK, 4-Methylimidazole, Mica, Nitrobenzene, Nitrogen mustard N-oxide, Oxybenzone, Parabens, Perfluoro and polyfluoro compounds, PFOA, 2-Phenylphenol, Phosphorus, Triphenyl phosphate, Phthalates, Potash soap, n-Propyl alcohol, Quinone, 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, Triclocarban, Urethane, N-Vinyl-2-pyrrolidone, Xylidine, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	-	<u>Acrolein, Bisphenol-related chemicals, Triclosan, Dialkylnitrosamines, Nitriilotriacetic acid, Subtilisins, Succinic anhydride, Sulfur, 5-tert-Butyl-2,4,6-trinitro-m-xylene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	Miscellaneous	<u>Acrylic acid, Benzaldehyde, Benzene, 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, beta-Myrcene, Nitrilotriacetic acid, Nitrobenzene, PAHs and PAH-related compounds, Acenaphthylene, Perfluoro and polyfluoro compounds, Phthalates, Propylene oxide, Sulfur trioxide, Thiourea, Toluene, Triclocarban, N-Vinyl-2-pyrrolidone</u>
Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	Optical Brighteners	<u>Morpholine, Nitrosomorpholine</u>
Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	Polishes & Sanitation Goods (SIC 2842)	<u>Acrylamide, Ammonia, Arsenic, Benzene, Carbon tetrachloride, Chlorine, 1,4-Dichlorobenzene, Chloroform, Cresol, Dimethyl sulfate, 4-Dimethylaminoazobenzene, 1,4-Dioxane, Epichlorohydrin, Formaldehyde, Hydrogen chloride, Methylene chloride, Nitrobenzene, Nitromethane, Perchloroethylene, 2-Phenylphenol, Propionaldehyde, Pyridine, Silica (crystalline, respirable), Sodium aluminum fluoride, Toluene, 1,1,1-TCA, TCE, Zinc, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	Surface Active Agents (SIC 2843)	<u>Benzene, Benzyl chloride, Diethylenetriamine, 1,4-Dioxane, Octylphenol, Propylene oxide, Sodium chlorite, Sodium diamyl sulfosuccinate, Succinic anhydride, 4-t-Octylphenol, Toluene, Zinc, Zinc oxide</u>
Chemical Manufacturing (SIC 28xx)	Soap & Detergent Manufacturing (SIC 2841-2844)	Toilet Preparations (SIC 2844)	<u>Acetaldehyde, Acrolein, Acrylamide, Ammonia, Arsenic, Benzene, Benzyl chloride, Carbaryl, Triclosan, Cyclosiloxanes, Diethanolamine, Dimethyl sulfate, 1,4-Dioxane, CFC-113, Formaldehyde, Lead acetate, Methyl ethyl ketone, Methylene chloride, 1-Octanethiol, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Piperonyl butoxide, Selenium sulfide, Silica (crystalline, respirable), Sodium chlorite, Sodium fluoride, Styrene oxide, Subtilisins, Succinic anhydride, Toluene, 1,1,1-TCA, TCE, Zinc, Zinc oxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Solvents Manufacturing (SIC 2869)</u>	-	<u>Acetonitrile, Bis(2-chloro-1-methylethyl) ether, t-Butyl acetate, sec-Butyl alcohol, tert-Butyl alcohol, Caprolactam, Carbon disulfide, Chloroprene, Crotonaldehyde, Cyclohexane, Cyclohexanol, Cyclosiloxanes, D5, N-Nitrosodimethylamine, 1,2-Dichloroethylene (cis, trans), Diethanolamine, 2,6-Diethylaniline, Di(2-ethylhexyl) phthalate, Dimethyl methylphosphonate, Dimethylamine, 1,1-Dimethylhydrazine, Dioxane, Epichlorohydrin, Ethyl chloride, Ethyl methacrylate, EDC, ETO, Ethylidene dichloride, 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-Nitrosomorpholine, N,N-Dimethylaniline, PCBTF, Pentachloroethane, Perchloroethylene, Phosphorus oxychloride, Triorthocresyl phosphate, Phthalates, Propargyl alcohol, Propionitrile, Propylene oxide, Quinoline, Silica (crystalline, respirable), 1,1,1,2-Tetrachloroethane, Tetraethylene glycol, Tetrahydrofuran, Tetralin, 1,1,2-TCA, Tricresyl phosphate, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Urethane, 4-Vinylcyclohexene, N-Vinyl-2-pyrrolidone, Xylenes</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Textile Chemical Manufacturing</u>	-	<u>Acetamide, 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, Terephthalic acid, Toluene sulfonic acids, TCE, Urethane</u>
<u>Chemical Manufacturing (SIC 28xx)</u>	<u>Varnish Manufacturing (SIC 2851)</u>	-	<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, MIBK, Methyl isopropyl ketone, Methylene bis(4-cyclohexylisocyanate), 2-Nitropropane, N,N-Dimethylacetamide, Novolac resins, Triorthocresyl phosphate, Triphenyl phosphate, Sodium chlorite, 1,1,1,2-Tetrachloroethane, Tetrahydrofuran, Titanium dioxide, Toluene, 2,2,4-Trimethylpentane, Vinyl toluene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Chemical Manufacturing (SIC 28xx)	(High)-Vinylidene Chloride Copolymer Fabric Process	-	Vinylidene chloride
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	-	-	Ammonia, Benzene, 1,3-Butadiene, Hydrogen chloride, Methylene chloride, Styrene and copolymers, Toluene, 1,1,1-TCA, Vinyl chloride
Chemicals, Sales	Storage & Handling - see Liquid Storage & Transfer, Appendix C-I	-	-
Chrome Plating - see Metal Plating, Appendix C-II	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Miscellaneous (SIC 32xx)</u>	-	<u>Acetaldehyde, Acrolein, Ammonia, Antimony trioxide, Antimony trisulfide, Arsenic, Arsenic compounds (inorganic), Barium, Benzene, Benzyl chloride, Beryllium, Boron oxide, 1,3-Butadiene, Cadmium, Carbon disulfide, Carbon tetrachloride, Chlorine, 1,4-Dichlorobenzene, Chloroform, Chromium, Chromium hexavalent, Barium chromate, Lead chromate, Copper, Diesel engine PM, Diesel engine TOG, 1,4-Dioxane, Dioxins, Ethyl benzene, EDB, EDC, Hydrogen fluoride, CFC-113, Formaldehyde, Glycol ethers and their acetates, Hexachlorobutadiene, Hydrochloric acid, Hydrogen chloride, Toluene diisocyanates, Lead, Lead compounds (inorganic), Manganese, Mercury, Methanol, Methyl bromide, Methyl chloride, Methylene bis(4-cyclohexylisocyanate), Methylene chloride, Mica, Asbestos, Nickel, PAHs and PAH-related compounds, PAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, Naphthalene, PCBs, Perchloroethylene, Phenol, Phosphorus, Polychlorinated dibenzofurans, Propylene, Selenium, Silica, Silica (crystalline, respirable), Silicon carbide whiskers, Sodium aluminum fluoride, Sodium fluoride, Sodium hydroxide, Styrene, 1,1,2,2-Tetrachloroethane, Toluene, 1,1,1-TCA, 1,1,2-TCA, TCE, Vinyl chloride, Xylenes, Zinc, Any other listed substances</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Abrasive Products (SIC 3291)</u>	-	<u>Aluminum oxide, Ammonia, Cadmium, Chlorine, Chromium, Chromium hexavalent, Barium chromate, Lead chromate, Formaldehyde, Hydrogen chloride, Lead, Manganese, Methylene chloride, Perchloroethylene, Phenol, Silicon carbide whiskers, Styrene and copolymers, Toluene, 1,1,1-TCA, Xylenes, Zinc</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Asbestos Mill/Processing (SIC 3292)</u>	-	<u>p-Aramid fibrils, Benzene, Chromium, Copper, Formaldehyde, Hydrogen sulfide, Mineral fibers (asbestos and related), Nickel, PAHs and PAH-related compounds, PAH/PAH-derivatives/POM from combustion, Naphthalene, Silica, Special-purpose fibers, 1,1,1-TCA, Xylenes</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Asbestos Mill/Processing (SIC 3292)</u>	<u>Cement Products, Floor Tile, Friction Material, Textiles</u>	<u>Ammonium chloride, Barium sulfate, Mineral fibers (asbestos and related), Special-purpose fibers, Zinc oxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing (SIC 3241)</u>	<u>Particulate, Gaseous, Aerosol Emissions including but not limited to: From stacks, feed to mill & air separator, kiln, dryers, grinders</u>	<u>Ammonium chloride, Barium sulfate, Benzene, Beryllium, n-Butyl alcohol, Cadmium, Chromium, Cobalt, Copper, Calcium cyanide, Formaldehyde, Hydrogen chloride, Lead, Manganese, Mica, Mineral fibers (asbestos and related), Nickel, PAHs and PAH-related compounds, PAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, PCBs, Tri-n-butyl phosphate, POM, Wollastonite, Zinc, Zinc oxide, All listed metals</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing</u>	<u>Clinker Cooler, Combustion Processes -- Also see Combustion, Appendix C-I</u>	<u>Benzene, Formaldehyde, Hydrogen chloride, PAHs and PAH-related compounds, PAH/PAH-derivatives/POM from combustion, PCBs, POM, All listed metals</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Cement Manufacturing</u>	<u>Dry Processes, Hydraulic, Wet Process</u>	<u>Arsenic, Cadmium, Chlorine, Chromium, Copper, Hydrogen chloride, Lead, Mercury, Nickel, Toluene, Zinc</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Clay Products, Structural (SIC 325x)</u>	<u>Brick & Structural Clay Tile (SIC 3251)</u>	<u>Arsenic, Beryllium, Calcium oxide, Chromium hexavalent, Lead chromate, Chromium (III) Sulfate, Lead</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Clay Products, Structural (SIC 325x)</u>	<u>Ceramic Wall & Floor Tile (SIC 3253)</u>	<u>Antimony, Arsenic, Beryllium, Chromium hexavalent, Lead chromate, Chromium (III) Sulfate, Lead, Magnesium oxide, Manganese, Mineral fibers (asbestos and related), Vanadium pentoxide</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Clay Products, Structural (SIC 325x)</u>	<u>Clay Refractories (SIC 3255)</u>	<u>Aluminum oxide, Beryllium, Chromium, Chromium hexavalent, Lead chromate, Chromium (III) Sulfate, Mineral fibers, Mineral fibers (asbestos and related), Silicon carbide whiskers</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, & Plaster Products (SIC 327x)</u>	-	<u>Calcium oxide</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, & Plaster Products (SIC 327x)</u>	<u>Concrete Block & Brick (SIC 3271)</u>	<u>Aluminum, Chromium, Styrene and copolymers</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, & Plaster Products (SIC 327x)</u>	<u>Concrete Products (SIC 3272)</u>	<u>Aluminum, Ammonia, Chromium, Gasoline vapors, Toluene, Zinc</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, & Plaster Products (SIC 327x)</u>	<u>Ready-mixed Concrete (SIC 3273)</u>	<u>Hydrogen sulfide, Mineral fibers (asbestos and related)</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Concrete, Gypsum, & Plaster Products (SIC 327x)</u>	<u>Lime (SIC 3274)</u>	<u>Calcium oxide, Mercury</u>
<u>Clay, Glass & Stone Products (SIC 32xx)</u>	<u>Cut Stone & Stone Products (SIC 3281)</u>	-	<u>Methyl methacrylate, Silicon carbide whiskers, Styrene and copolymers, TCE</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
Clay, Glass & Stone Products (SIC 32xx)	Flat Glass (SIC 3211)	-	<u>Ammonia, Ammonium nitrate, Antimony, Arsenic, Arsenic trioxide, Boron oxide, Cadmium, Calcium oxide, Chlorine, Chromium, Cobalt, Cobalt compounds, Hydrogen, Indium tin oxide, Methyl ethyl ketone peroxide, Nickel, Nickel compounds, Selenium, Silica (crystalline, respirable), Tin, Tin oxide, Titanium dioxide, Titanium tetrachloride, Toluene, Vanadium pentoxide, Zinc oxide</u>
Clay, Glass & Stone Products (SIC 32xx)	Gaskets, Packing, & Sealing Devices (SIC 3053)	-	<u>Ammonia, Chlorobenzene, Gasoline vapors, Hydrogen chloride, Lead, Mineral fibers (asbestos and related), Special-purpose fibers, Toluene, TCE, Trimellitic anhydride, Zinc</u>
Clay, Glass & Stone Products (SIC 32xx)	Glass & Glassware, Pressed & Blown (SIC 322x)	-	<u>Ammonia, Antimony, Arsenic, Arsenic acid, Arsenic pentoxide, Arsenic trioxide, Arsine, Boron oxide, Cadmium, Calcium oxide, Carbon disulfide, Chlorine, 1,2,3-Trichlorobenzene, 2,4-Dichlorophenol, Chromium, Chromium hexavalent, Barium chromate, Cobalt, Cobalt compounds, Formaldehyde, Hydrogen chloride, Lead, Mercury, Methylene chloride, Nickel, Nickel compounds, Perchloroethylene, Selenium, Styrene and copolymers, Tin oxide, Titanium dioxide, Titanium tetrachloride, Toluene, 1,1,1-TCA, Vanadium pentoxide, Zinc oxide</u>
Clay, Glass & Stone Products (SIC 32xx)	Glass & Glassware, Pressed & Blown (SIC 322x)	Glass Container Manufacturing, From glass furnace (SIC 3221)	<u>Arsenic, Arsenic acid, Arsenic trioxide</u>
Clay, Glass & Stone Products (SIC 32xx)	Glass & Glassware, Pressed & Blown (SIC 322x)	Pressed and Blown Glass and Glassware, Not Elsewhere Classified (SIC 3229)	<u>Arsenic, Arsenic acid, Arsenic trioxide, n-Butyl alcohol, Carbon disulfide, Chlorinated diphenyl oxide, Chlorine, Hydrogen chloride, Methylene chloride, Mineral fibers (manmade), Nickel, Nickel compounds, Titanium dioxide</u>
Clay, Glass & Stone Products (SIC 32xx)	Minerals, Ground or Treated (SIC 3295)	-	<u>Barium, Chlorine, Chromium, Copper, Gasoline vapors, Hydrogen chloride</u>
Clay, Glass & Stone Products (SIC 32xx)	Mineral Wool Products (SIC 3296)	-	<u>Ammonia, Carbon tetrachloride, Formaldehyde, Mineral fibers, Mineral fibers (asbestos and related), Phenol, Silica (crystalline, respirable), Special-purpose fibers</u>
Clay, Glass & Stone Products (SIC 32xx)	Nonclay Refractories (SIC 3297)	-	<u>Aluminum oxide, Ammonia, Beryllium, Chromium, Formaldehyde, Hydrogen chloride, Mineral fibers, Mineral fibers (asbestos and related), Phenol, Zinc, Zinc oxide</u>
Clay, Glass & Stone Products (SIC 32xx)	Nonmetallic Mineral Products (SIC 3299)	-	<u>Chlorine, Copper, Hydrogen chloride, Mineral fibers, Mineral fibers (asbestos and related), Styrene and copolymers, Toluene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Clay, Glass & Stone Products (SIC 32xx)	Pottery & Related Products (SIC 326x)	-	<u>Aluminum oxide, Antimony, Beryllium, Beryllium oxide, Cobalt, Cobalt compounds, Lead, Molybdenum trioxide, Nickel, Nickel compounds, Phosphoric acid, Thorium-232 and its decay products, Silicon carbide whiskers, 1,1,1-TCA, Vanadium pentoxide, Wollastonite</u>
Clay, Glass & Stone Products (SIC 32xx)	Pottery & Related Products (SIC 326x)	Vitreous Plumbing Fixtures (SIC 3261)	Styrene and copolymers, Toluene
Clay, Glass & Stone Products (SIC 32xx)	Pottery & Related Products (SIC 326x)	Fine Earthen Food Utensils (SIC 3263)	<u>Ammonia, Beryllium, Copper, Hydrogen sulfide, Lead, Methyl bromide, PAHs and PAH-related compounds, PAH/PAH-derivatives/POM from combustion, Naphthalene, Perchloroethylene, Toluene, TCE, Zinc</u>
Clay, Glass & Stone Products (SIC 32xx)	Purchased Glass Products (SIC 3231)	-	<u>Acetaldehyde, Ammonia, Arsenic acid, Cadmium chloride, Dibutyl phthalate, Dimethyl phthalate, Formic acid, Silver, Toluene, TCE, Vinyl acetate, Xylenes</u>
Clay, Glass & Stone Products (SIC 32xx)	Combustion Processes - see Combustion, Appendix C-I	-	-
Clay, Glass & Stone Products (SIC 32xx)	Other Processes - see Other Processes, Appendix C-I	-	-
Coal Combustion - see Combustion, Appendix C-I	-	-	-
Coal, Wholesaling (SIC 5052)	-	-	<u>Coal dust, Zinc, Zinc oxide</u>
Coke Combustion - see Combustion, Appendix C-I	-	-	-
Coke Production (SIC 2999)	-	-	<u>Coal tar, PAHs and PAH-related compounds, POM, Toluene</u>
Coke Production (SIC 2999)	Also see Metal Smelters, Appendix C-II	-	-
Colleges & Universities (SIC 822x)	Miscellaneous	-	<u>Benzene, Carbon tetrachloride, Chloroform, Dioxane, Formaldehyde, Mercury, Methylene chloride, Nitrobenzene, Phenol, Toluene, 1,1,1-TCA, Xylenes, Any other listed substances</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Colleges & Universities (SIC 822x)	Also see Chemical Manufacturing, 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 Services, Appendix C-II	-	-	-
Crematories, Human and Veterinary, and Funeral Service (SIC 7261, 8699)	-	-	<u>Acetaldehyde, Arsenic, Cadmium, Chromium, Chromium hexavalent, Dioxins, Ethyl cyanoacrylate, Formaldehyde, Hydrochloric acid, Mercury, Methyl cyanoacrylate, Polychlorinated dibenzofurans</u>
Crop Production - see Agricultural Production, Appendix C-II	-	-	-
Dental Laboratories (SIC 8072)	-	-	<u>Chromium, Cobalt, Indium and compounds, Nickel, Platinum</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Dentists (SIC 802x)</u>	-	-	<u>Dimethyl-p-toluidine, Ethyl cyanoacrylate, EGDMA, Isocyanates, Methyl cyanoacrylate</u>
<u>Dry Cleaning Operations (SIC 721x)</u>	-	-	<u>Benzenesulfonic acid, Bis(tributyltin) oxide, Chlorinated diphenyl oxide, Chloroform, 1,2-Dichloropropane, EDC, Fluorocarbons (Chlorinated), CFC-113, Ethylene glycol monobutyl ether, Hexane, MIBK, Naphtha (coal tar), Perchloroethylene, Toluene, 1,1,1-TCA, TCE</u>
<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, Direct Black 38, Direct Blue 6, Direct Blue 218, Direct Brown 95, Bis(tributyltin) oxide, n-Butyl alcohol, sec-Butyl alcohol, Cadmium chloride, 5-Chloro-o-toluidine and its strong acid salts, Chromium (III) Sulfate, Cyclosiloxanes, D5, Diethyl sulfate, 3,3'-Dimethylbenzidine dihydrochloride, Endrin, Formic acid, Glycol ethers and their acetates, meta-Phenylenediamine, Methylamine, Perchloroethylene, Vanadium pentoxide, N-Vinyl-2-pyrrolidone</u>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Dyes</u>	-	<u>1-Amino-2,4-dibromoanthraquinone, Arsenic pentoxide, Auramine, Direct Black 38, Direct Blue 6, Direct Blue 218, Direct Brown 95, Chloroacetic acid, 2,4-Dichlorophenol, Chromium, Chromium hexavalent, Lead chromate, Sodium dichromate, Cobalt octoate, Copper, m-Cresidine, p-Cresidine, 2,4-Diaminoanisole, Dibenzofurans, 1,4-Dichloro-2-nitrobenzene, Diethyl sulfate, 3,3'-Dimethoxybenzidine, 3,3'-Dimethylbenzidine dihydrochloride, 3,3'-Dimethylbenzidine, Hexamethylenetetramine, Hydrazine, Methyl phenyl carbinol, 2,4-Xylidine</u>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Due to toxics in the solutions</u>	<u>Fixatives</u>	<u>Chromium, Chromium hexavalent, Lead chromate, Sodium dichromate, Copper</u>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Due to toxics in the solutions</u>	<u>Oxidizing Agents</u>	<u>Chromium, Chromium hexavalent, Lead chromate, Sodium dichromate</u>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Due to toxics in the solutions</u>	<u>Dyeing Aids</u>	<u>Acetonitrile, Ammonium chloride, Ammonium sulfate, Bromoform, Chlorine, Chromium hexavalent, Sodium dichromate, 2,4-Diaminoanisole, Dibenzofurans, Formaldehyde, Lead acetate, Perchloroethylene, Sodium hydroxide, Thioacetamide, Toluene sulfonic acids, Vanadium pentoxide, N-Vinyl-2-pyrrolidone</u>
<u>Dyeing of Textiles (SIC 226x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Eating Places (Restaurants, Fast Food, Cafeterias, Grills, Caterers, etc.) (SIC 5812)</u>	-	-	<u>Dibenz[a,h]acridine, MelQ, MelQx, PAHs and PAH-related compounds</u> PAH/PAH-derivatives/POM from combustion, <u>Styrene and copolymers</u>
<u>Electrical Assembly Cleaning - see Degreasing, Appendix C-I</u>	-	-	-
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	-	-	<u>Acetaldehyde, Acrolein, Acrylamide, Ammonia, Arsenic, Arsenic compounds (inorganic), Benzene, Beryllium, 1,3-Butadiene, Cadmium, Chlorine, 1,2,3-Trichlorobenzene, Chloroform, Chromium, Chromium hexavalent, Copper, Cresols, Cyclosiloxanes, D6, Diesel engine PM, Di(2- ethylhexyl) phthalate, 1,4-Dioxane, Epichlorohydrin, Epoxy resins, Ethyl benzene, EDC, Flame retardants, Hydrogen fluoride, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Propylene glycol monomethyl ether acetate, Hydrochloric acid, Isocyanates, Toluene diisocyanates, Isopropyl alcohol, Lead, Manganese, Methanol, Methylene chloride, Michler's ketone, Mineral fibers (asbestos and related), Nickel, Nitric acid, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Phosphorus, Phosphine, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Sulfuric acid, Thiourea, Toluene, 1,1,1-TCA, TCE, Xylenes, Zinc, Any other listed substances</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
<u>Electrical & 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, 1,2,4-Trichlorobenzene, Copper, 1,4-Dioxane, Ethyl cyanoacrylate, Ethylene, CFC-113, Trichlorofluoromethane, Gallium arsenide, Glycol ethers and their acetates, Propylene glycol t-butyl ether, Indium tin oxide, Isoprene, Methyl cyanoacrylate, Methyl iodide, Methylene chloride, Mica, Nickel, Nickel compounds, PCBTF, Perchloroethylene, Perchloryl fluoride, Perfluoro and polyfluoro compounds, Triphenyl phosphite, Platinum, Rhodium, Ruthenium, Selenium, Silica (crystalline, respirable), Silver, Sodium aluminum fluoride, Sulfuric acid, Tetrahydrobenzaldehyde, Titanium dioxide, 1,1,1-TCA, TCE, Yttrium and compounds, Zinc oxide</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Communication Equipment (SIC 366x)</u>	<u>Radio & TV Communication Equipment (SIC 3663)</u>	<u>Formaldehyde, Glycol ethers and their acetates, Hydrogen chloride, Hydrogen sulfide, Toluene diisocyanates, Lead, Methylene chloride, Perchloroethylene, Thorium-232 and its decay products, Toluene, 1,1,1-TCA, TCE, Xylenes, Zinc</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Communication Equipment (SIC 366x)</u>	<u>Telephone & Telegraph Apparatus (SIC 3661)</u>	<u>Ammonia, Copper, Formaldehyde, Hydrogen chloride, Methylene chloride, Perchloroethylene, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, Xylenes</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Distribution Equipment (SIC 361x)</u>	-	<u>Ammonia, Chlorotrifluoromethane, PAHs and PAH-related compounds, Naphthalene, PCBTF, Perchloryl fluoride, Toluene, 1,1,1-TCA, TCE</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Distribution Equipment (SIC 361x)</u>	<u>Transformers (SIC 3612)</u>	<u>Ammonia, Beryllium, Chlorotrifluoromethane, Hydrogen chloride, Lead, Methylene chloride, PAHs and PAH-related compounds, Naphthalene, PCBs, PCBTF, Perchloroethylene, Toluene, 1,1,1-TCA, TCE, Vinyl chloride, Xylenes, Zinc oxide</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Distribution Equipment (SIC 361x)</u>	<u>Switchgear & Switchboard Apparatus (SIC 3613)</u>	<u>Ammonia, Formaldehyde, Hydrogen chloride, Perchloroethylene, Rhodium, Ruthenium, Toluene, 1,1,1-TCA, TCE</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	-	<u>Ammonia, Arsenic, Copper, Hydrogen chloride, Lead, Mercury, PAHs and PAH-related compounds, Benzo[a]pyrene, PCBs, Perchloroethylene, Tin, Toluene, 1,1,1-TCA, TCE</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	<u>Motors & Generators (SIC 3621)</u>	<u>Ammonia, Decahydronaphthalene, Formaldehyde, Hydrogen chloride, Lead, PAHs and PAH-related compounds, Naphthalene, Phenol, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	<u>Industrial Controls (SIC 3625)</u>	<u>Ammonia, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	<u>Welding Apparatus, Electric (SIC 3548)</u>	<u>Nickel, Propionitrile, Thorium-232 and its decay products, Toluene</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electrical Industrial Apparatus (SIC 362x, 3548)</u>	<u>Carbon & Graphite Products (SIC 3624)</u>	<u>Chlorine, Hydrogen chloride, Hydrogen sulfide, PAHs and PAH-related compounds, Benzo[a]pyrene, Propionitrile, Styrene and copolymers</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components & Accessories (SIC 367x, 3691, 3692)</u>	-	<u>Acetaldehyde, Ammonia, Arsenic, Benzene, Benzyl chloride, Beryllium, n-Butyl glycidyl ether, Cadmium, Cadmium chloride, Chlorine, Chloroform, Chromium, Chromium hexavalent, Copper, 1,4-Dioxane, Epichlorohydrin, EDC, Formaldehyde, Gallium arsenide, Gasoline vapors, Glycol ethers and their acetates, Hydrazine, Hydrogen chloride, Hydrogen sulfide, Indium and compounds, Toluene diisocyanates, Lead, Manganese, Mercury, Methylene chloride, Nickel, PAHs and PAH-related compounds, Naphthalene, PCBs, Perchloroethylene, Phenol, Phosgene, Propionitrile, Silver, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, Xylenes, Zinc, Zinc oxide</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components & Accessories (SIC 367x, 3691, 3692)</u>	<u>Batteries (SIC 3691, 3692)</u>	<u>Mercury, Thionyl chloride</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components & Accessories (SIC 367x, 3691, 3692)</u>	<u>Batteries, Primary, Dry & Wet (SIC 3692)</u>	<u>Ammonium chloride, Antimony, Cadmium, Chromium hexavalent, Barium chromate, Calcium chromate, Sodium dichromate, Indium and compounds, Lead, Mercury, Nickel, PAHs and PAH-related compounds, Naphthalene, Pentachloronaphthalene, Silver, Zinc, Zinc oxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components & Accessories (SIC 367x, 3691, 3692)</u>	<u>Batteries, Storage (SIC 3691)</u>	<u>Allyl cyanide, Antimony, Beryllium, Cadmium, Chromium hexavalent, Barium chromate, Calcium chromate, Sodium dichromate, Cobalt compounds, N-Nitrosodimethylamine, 3,5-Dinitrotoluene, Lead, Manganese, Mercury, Nickel, Nickel compounds, Pentachloronaphthalene, Silver, 1,1,1-TCA, Zinc, Zinc oxide</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components & Accessories (SIC 367x, 3691, 3692)</u>	<u>Cathode Ray Picture Tubes (SIC 3671)</u>	<u>Barium, Beryllium, Lead</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components & Accessories (SIC 367x, 3691, 3692)</u>	<u>Electron Tubes, Transmitting (SIC 3671)</u>	<u>Ammonia, Benzene, Beryllium, Cadmium, Carbon disulfide, Chromium, Copper, Hydrogen chloride, Indium phosphide, Lead, Nickel, Styrene and copolymers, Toluene, TCE, Xylenes</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components & Accessories (SIC 367x, 3691, 3692)</u>	<u>Electron Capacitors (SIC 3675)</u>	<u>Allyl chloride, Chromium, Epichlorohydrin, Lead, Methylene chloride, Palladium, Pentachloronaphthalene, 1,1,1-TCA, TCE</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electronic Components & Accessories (SIC 367x, 3691, 3692)</u>	<u>Miscellaneous (SIC 3679)</u>	<u>Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, Chloroprene, Silica (crystalline, respirable)</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>From: developer, stripper</u>	<u>n-Butyl glycidyl ether, Glycol ethers and their acetates, Ethylene glycol monobutyl ether, N-Methylpyrrolidone</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>screening-hardener</u>	<u>Formaldehyde, Magnesium oxide, Methylene chloride</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Semiconductors & Related Devices (SIC 3674)</u>	<u>Ammonia, Ammonium chloride, Arsenic, Arsine, Beryllium, Boron tribromide, Boron trichloride, Carbon nanotubes, Carbon tetrachloride, Chlorine, Chlorobenzene, Cobalt [II] oxide, 1,2-Dichloroethylene (cis, trans), 1,4-Dioxane, Ethylene glycol, Hydrogen fluoride, Gallium arsenide, Germanium tetrahydride, Glycol ethers and their acetates, n-Hexanethiol, Hydrazine, Hydrochloric acid, Hydrogen chloride, Indium and compounds, Indium phosphide, Toluene diisocyanates, Lead, Mercury, Methanol, Methylene chloride, 2-Methylimidazole, Nickel, Nitromethane, Perylene, Pentachloronaphthalene, Perchloroethylene, Perfluoroisobutylene, Phenol, Phosphene, Phosphine, Phosphoric acid, Phosphorus oxychloride, Platinum, Ruthenium, Selenium, Hydrogen selenide, Silicon carbide whiskers, Styrene and copolymers, Thallium, Toluene, 1,1,1-TCA, TCE, Xylenes, Zinc, Zinc oxide, Zinc phosphide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Solvent Stations - see Liquid Storage & Transfer, Appendix C-I</u>	-
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Wet Chemical Stations</u>	<u>Propionitrile</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Manufacturing Process Reactors (Siliconizing)</u>	<u>Indium and compounds</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Chemical Vapor Deposition</u>	<u>Chlorotrifluoromethane</u>
<u>Electrical & 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 & Electronic Equipment (SIC 36xx)</u>	<u>Integrated Circuit Board Manufacturing (SIC 3672, 3674)</u>	<u>Photoresist Lines</u>	<u>N-Methylpyrrolidone</u>
<u>Electrical & 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 & Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	-	<u>Mineral fibers (asbestos and related), PBBs</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Electric Housewares/Fans (SIC 3634)</u>	<u>Beryllium, Toluene</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Household Cooking Equipment (SIC 3631)</u>	<u>Beryllium oxide, Perfluoro and polyfluoro compounds, Acrylonitrile-butadiene-styrene copolymers, 1,1,1-TCA, TCE</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Household Laundry Equipment (SIC 3633)</u>	<u>Perchloroethylene, Toluene</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Household Refrigerators & Freezers (SIC 3632)</u>	<u>Toluene</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Household Appliances (SIC 363x)</u>	<u>Sewing Machines (SIC 3639)</u>	<u>Beryllium, Toluene, 1,1,1-TCA</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Lighting & Wiring Equipment (SIC 364x)</u>	-	<u>Benzenesulfonic acid, Chloroprene, Methyl methacrylate, Toluene, TCE</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Lighting & Wiring Equipment (SIC 364x)</u>	<u>Electric Lamps (SIC 3641)</u>	<u>Ammonia, Cadmium, Hafnium and compounds, Indium and compounds, Mercury, 5-Nitroacenaphthene, Toluene, 1,1,1-TCA, TCE</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Lighting & Wiring Equipment (SIC 364x)</u>	<u>Lighting Fixtures (SIC 3645, 3646)</u>	<u>Methyl methacrylate</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Lighting & Wiring Equipment (SIC 364x)</u>	<u>Lighting Fixtures, Commercial (SIC 3646)</u>	<u>Hafnium and compounds, Toluene, 1,1,1-TCA</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Lighting & Wiring Equipment (SIC 364x)</u>	<u>Lighting Fixtures, Residential (SIC 3645)</u>	<u>Ammonia, Hafnium and compounds, Hydrazine, Toluene, 1,1,1-TCA, TCE</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Lighting & Wiring Equipment (SIC 364x)</u>	<u>Wiring Devices (SIC 3643, 3644)</u>	<u>Chlorinated diphenyl oxide, Chloroprene, Copper</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Lighting & Wiring Equipment (SIC 364x)</u>	<u>Wiring Devices, Current-Carrying (SIC 3643)</u>	<u>Ammonia, Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, Copper, Formaldehyde, Hydrogen chloride, Toluene diisocyanates, Manganese, Methylene chloride, Nickel, Perchloroethylene, Perfluoro and polyfluoro compounds, Phenol, Selenium hexafluoride, Toluene, 1,1,1-TCA, TCE, Zinc</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Electric Lighting & Wiring Equipment (SIC 364x)</u>	<u>Wiring Devices, Noncurrent-Carrying (SIC 3644)</u>	<u>Chlorinated diphenyl oxide, Tetrachlorobenzene (mixed isomers), 1,2,3,4-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene, Copper, Hydrogen chloride, Selenium hexafluoride, Styrene and copolymers, Toluene, TCE, Vinyl chloride, Zinc</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Radio & TV Receiving Sets (SIC 3651)</u>	-	<u>Ammonia, Indium and compounds, Toluene, 1,1,1-TCA, TCE, Xylenes</u>
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>Semiconductor Production - see Electric & Electronic Equipment, Integrated Circuit, Appendix C-II</u>	-	-
<u>Electrical & Electronic Equipment (SIC 36xx)</u>	<u>X-Ray Apparatus & Tubes (SIC 3844)</u>	-	<u>Beryllium, Hydrogen chloride, Perchloroethylene, Toluene, 1,1,1-TCA</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Electric, Gas, & Sanitary Services (SIC 49xx)</u>	-	-	<u>Acetaldehyde, Acrolein, Acrylonitrile, Ammonia, Ammonium sulfate, Arsenic, Arsenic compounds (inorganic), Barium, Benzene, Benzyl chloride, Beryllium, Biphenyl, Bromine, 1,3-Butadiene, Cadmium, Carbon tetrachloride, Carbonyl sulfide, Chlorine, 1,4-Dichlorobenzene, Chloroform, Chromium, Chromium hexavalent, Copper, Cyclohexane, Diesel engine PM, Diesel engine TOG, 7,12-Dimethylbenz[a]anthracene, 1,4-Dioxane, Dioxins, Ethyl benzene, EDB, EDC, Ethylene thiourea, Ethylidene dichloride, Fluorides and compounds, Hydrogen fluoride, Fluorocarbons (Chlorinated), Formaldehyde, Gasoline vapors, Glutaraldehyde, Hexane, Hydrazine, Hydrochloric acid, Hydrogen sulfide, Isopropyl alcohol, Lead, Manganese, Mercury, Methanol, Methyl ethyl ketone, MIBK, Methylene chloride, Asbestos, Nickel, PAHs and PAH-related compounds, PAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, Benzo[b]fluoranthene, Naphthalene, Phenanthrene, Pyrene, PCBs, Perchloroethylene, Phosphorus, Phosphoric acid, Polychlorinated dibenzofurans, Propylene, Propylene oxide, Selenium, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Succinic anhydride, Sulfuric acid, 1,1,2,2-Tetrachloroethane, Toluene, 1,1,1-TCA, 1,1,2-TCA, TCE, 1,2,4-Trimethylbenzene, Vinyl chloride, Xylenes, Zinc, Any other listed substances</u>
<u>Electric, Gas, & Sanitary Services (SIC 49xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Electric, Gas, & Sanitary Services (SIC 49xx)</u>	<u>Cooling Towers - see Other Processes, Appendix C-I</u>	-	-
<u>Electric, Gas, & Sanitary Services (SIC 49xx)</u>	<u>Electric Services (SIC 4911)</u>	-	<u>Acetaldehyde, Arsenic, Benzene, Beryllium, Cadmium, Chromium, Copper, Formaldehyde, Lead, Manganese, Mercury, Nickel, PAHs and PAH-related compounds, PAH/PAH-derivatives/POM from combustion, Benzo[a]pyrene, PCBs, POM, 1,1,1-TCA</u>
<u>Electric, Gas, & Sanitary Services (SIC 49xx)</u>	<u>Gas & Other Services (SIC 492x, 4932)</u>	-	<u>Dimethyl disulfide, Ethyl mercaptan, Hydrogen sulfide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Electric, Gas, & 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>
<u>Electric, Gas, & 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, & 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, PAH/PAH-derivatives/POM from combustion, PCBs, POM, Toluene, Vinyl chloride, Zinc</u>
<u>Electric, Gas, & Sanitary Services (SIC 49xx)</u>	<u>Sanitary Services, Refuse Systems (SIC 4953)</u>	<u>Also see Landfills, Appendix C-II</u>	-
<u>Electric, Gas, & 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, & 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, & 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>	-	-	-
<u>Felt Manufacturing (SIC 2231, 2299)</u>	-	-	<u>Benzofuran, 2,4-Diaminoanisole, Mineral fibers (asbestos and related)</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Fiberboard Manufacturing - see Wood Product Manufacturing, Appendix C-II	-	-	-
Floor Cover Manufacturing, Hard Surface (SIC 3996)	-	-	Barium sulfate, Benzene, Flame retardants, Isocyanates, Vinyl chloride
Floor Tile Manufacturing (SIC 3253)	-	-	Flame retardants, Isocyanates, Mineral fibers (asbestos and related), Phthalates, Zinc oxide
Food Products Manufacturing (SIC 20xx)	<u>Miscellaneous (SIC 20xx, 2099)</u>	-	<u>Allyl isothiocyanate, Allyl propyl disulfide, Aluminum, Aluminum oxide, 1-Amino-2,4-dibromoanthraquinone, Benzaldehyde, Benzenethiol, Potassium bromate, n-Butyl alcohol, sec-Butyl alcohol, tert-Butyl alcohol, gamma-Butyrolactone, Calcium oxide, Caprolactam, Cresols, Diacetyl, Di(2-ethylhexyl) phthalate, Ethyl acrylate, Ethylene, Ethylene glycol, Glyceraldehyde, 2,4-Hexadienal, Hexamethylenetetramine, Hydrogen peroxide (>5%), Iodine, Isobutyl alcohol, Isobutylene, Isocyanates, Isophorone, Lauroyl peroxide, Methyl phenyl carbinol, 4-Methylimidazole, 2-Methylpyridine, Mica, beta-Myrcene, Parabens, 2,3-Pentanedione, 1-Pentanethiol, Perchloroethylene, Phenol, 1-Propanethiol, Silica (crystalline, respirable), Silver, Subtilisins, Succinic anhydride, Sulfur dioxide, Tetrakis(hydroxymethyl)phosphonium sulfate, Toluene</u>
Food Products Manufacturing (SIC 20xx)	<u>Bakery Products (SIC 205x)</u>	-	<u>Adipic acid, Benzene, Benzenethiol, Potassium bromate, gamma-Butyrolactone, Formaldehyde, beta-Myrcene, Toluene</u>
Food Products Manufacturing (SIC 20xx)	<u>Beverages (SIC 208x, 2023)</u>	-	<u>Acetal, Ammonia, Benzenethiol, gamma-Butyrolactone, Cobalt chloride (hexahydrate), Cobalt [III] oxide, Cyclosiloxanes, D4, Ethyl acetate, Formaldehyde, Formic acid, Manganese, beta-Myrcene, Silica (crystalline, respirable), Sodium fluoride, N-Vinyl-2-pyrrolidone</u>
Food Products Manufacturing (SIC 20xx)	<u>Beverages (SIC 208x, 2023)</u>	<u>Milk (Condensed & Evaporated) (SIC 2023)</u>	<u>Ammonia, Benzene, Formaldehyde, beta-Propiolactone, Toluene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
Food Products Manufacturing (SIC 20xx)	<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>
Food Products Manufacturing (SIC 20xx)	<u>Canned Foods (SIC 203x)</u>	-	<u>Acetic acid, Arsenic, Benzene, Formaldehyde, Toluene</u>
Food Products Manufacturing (SIC 20xx)	<u>Fats & Oils (SIC 207x)</u>	-	<u>Benzoyl peroxide, EDC, Hexane, Methylene chloride, beta-Napthol, Silica (crystalline, respirable), Sodium chlorite</u>
Food Products Manufacturing (SIC 20xx)	<u>Fats & Oils (SIC 207x)</u>	<u>Shortening & Cooking Oils (SIC 2079)</u>	<u>n-Butyl alcohol, sec-Butyl alcohol, Nickel, Sodium chlorite, Sodium methoxide, Toluene</u>
Food Products Manufacturing (SIC 20xx)	<u>Fats & Oils (SIC 207x)</u>	<u>Soybean Oil Mills (SIC 2075)</u>	<u>EDC, Sodium chlorite</u>
Food Products Manufacturing (SIC 20xx)	<u>Flavoring Agents</u>	-	<u>Acetal, Acetaldehyde, Acetic acid, Acetophenone, Allyl isothiocyanate, Allyl isovalerate, Allyl propyl disulfide, Ammonium chloride, Ammonium sulfate, Benzaldehyde, Benzophenone, n-Butyl alcohol, sec-Butyl alcohol, tert-Butyl alcohol, gamma-Butyrolactone, Caprolactam, Cresols, Crotonaldehyde, Cyclohexanol, Cyclohexanone, Diacetyl, Dimethyl disulfide, Ethyl acrylate, Ethyl mercaptan, Ethyl methacrylate, Formic acid, Furfural, Furfuryl alcohol, Glutaraldehyde, Ethylene glycol monobutyl ether, 2,3-Heptanedione, 1-Heptanethiol, 2,4-Hexadienal, 2,3-Hexanedione, n-Hexanethiol, Hydrochloric acid, Hydrogen sulfide, Isophorone, Isoprene, Isopropyl alcohol, Methyl ethyl ketone, MIBK, Methyl isopropyl ketone, Methyl methacrylate, Methyl phenyl carbinol, beta-Myrcene, 1-Pentanethiol, Phenol, 1-Propanethiol, Propionaldehyde, n-Propyl alcohol, Pyridine</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Food Products Manufacturing (SIC 20xx)	Food Preparation, Misc (SIC 20xx, 209x)	-	<u>Acetaldehyde, Adipic acid, Benzene, Benzidine, Benzoyl peroxide, Potassium bromate, gamma-Butyrolactone, Calcium oxide, Carbon tetrachloride, Chloroform, Chloroprene, Cyclosiloxanes, D4, D6, N-Nitrosodi-n-propylamine, Di(2-ethylhexyl) phthalate, Dimethyl sulfate, Epichlorohydrin, Ethylene glycol, ETO, Formaldehyde, Glutaraldehyde, Glyceraldehyde, Hydrogen peroxide (>5%), Iodine, Isopropyl alcohol, Magnesium oxide, Maleic anhydride, Parabens, Peracetic acid, Phosphoric acid, Silver, Sulfuric acid, Titanium dioxide</u>
Food Products Manufacturing (SIC 20xx)	Grain Mill Products (SIC 204x)	-	<u>Fusarium, Iron oxide, All relevant pesticides</u>
Food Products Manufacturing (SIC 20xx)	Grain Mill Products (SIC 204x)	Prepared Feeds (SIC 2048)	<u>Acrolein, Iodine, Magnesium oxide, Methyl bromide, Silica (crystalline, respirable)</u>
Food Products Manufacturing (SIC 20xx)	Grain Mill Products (SIC 204x)	Wet Corn Milling (SIC 2046)	<u>Chlorine, Hydrochloric acid</u>
Food Products Manufacturing (SIC 20xx)	Manufactured Ice (SIC 2097)	-	<u>Arsenic, Cadmium chloride</u>
Food Products Manufacturing (SIC 20xx)	Meat Packing Plants (SIC 2011, 2013)	-	<u>Arsenic, Benzenethiol, 1,2-Dichloroethylene (cis, trans), Formaldehyde, Hydrochloric acid, beta-Myrcene, Parabens, Sodium methoxide</u>
Food Products Manufacturing (SIC 20xx)	Meat Packing Plants (SIC 2011, 2013)	Sausages & Other Prepared Meats (SIC 2013)	<u>Acetaldehyde, Ammonia, Anthracene oil or paste, Arsenic, Chloroform, Formaldehyde, Phenol, Toluene, 1,1,1-TCA</u>
Food Products Manufacturing (SIC 20xx)	Roasted Coffee (SIC 2095)	-	<u>Acetaldehyde, Acrolein, Ethyl acetate, Methylene chloride, TCE</u>
Food Products Manufacturing (SIC 20xx)	Seafood, Canned & Cured (SIC 2091)	-	<u>Acetaldehyde, Anthracene oil or paste, Arsenic, Hydrogen sulfide, Manganese</u>
Food Products Manufacturing (SIC 20xx)	Sugar & Confectionery Products (SIC 206x)	-	<u>gamma-Butyrolactone, Disodium cyanodithioimidocarbonate, Ethyl acetate, Hydrochloric acid, Phosphorus pentoxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Sugar & Confectionery Products (SIC 206x)</u>	<u>Beet Sugar (SIC 2063)</u>	<u>Beryllium</u>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Sugar & Confectionery Products (SIC 206x)</u>	<u>Confectionery Products (SIC 2064)</u>	<u>Benzene, Formaldehyde, Parabens, Silica (crystalline, respirable), Toluene</u>
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Canning - see Canned Food Products, Appendix C-II</u>	-	-
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Solvents - see Solvent Use, Appendix C-I</u>	-	-
<u>Food Products Manufacturing (SIC 20xx)</u>	<u>Sterilization - see Other Processes, Appendix C-I</u>	-	-
<u>Food Products Machinery Manufacturing (SIC 3556)</u>	-	-	<u>Manganese, Methylene chloride, Perchloroethylene, 1,1,1-TCA, TCE</u>
<u>Foundries - see Metal Smelters & Foundries, Appendix C-II</u>	-	-	-
<u>Forestry Services (SIC 0851)</u>	-	-	<u>Dioxins, PAHs and PAH-related compounds, Naphthalene, Polychlorinated dibenzofurans</u>
<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>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Furniture & Fixture Manufacturing (SIC 25xx)	-	-	<u>Ammonium sulfate, Di-n-propyl isocinchomeronate, Flame retardants, Methylene chloride, Perchloroethylene, Perfluoro and polyfluoro compounds, Styrene and copolymers, TCE</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Miscellaneous (SIC 259x)	-	<u>Ethyl methacrylate, Lead acetate, Methylene chloride, Phthalic anhydride, Toluene, TCE</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Drapery Hardware and Blinds & Shades (SIC 2591)	-	<u>Arsenic pentoxide, Benzene, 1,1,1-TCA, Vinyl bromide</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Household Furniture (SIC 251x)	-	<u>Special-purpose fibers, Vinyl bromide</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Household Furniture (SIC 251x)	Mattresses, Foundations, and Convertible Beds (SIC 2515)	<u>Flame retardants, Isocyanates, Methylene bis(4-cyclohexylisocyanate), Phthalates, Vinyl bromide</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Household Furniture (SIC 251x)	Metal & Other Than Wood (SIC 2514, 2519)	<u>Cresol, Toluene, TCE, Vinyl bromide, Xylenes</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Household Furniture (SIC 251x)	Wood, Upholstered (SIC 2512)	<u>Arsenic, Cadmium, Copper, Flame retardants, Lead, Styrene and copolymers, Toluene, Vinyl bromide, Vinyl chloride</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Household Furniture (SIC 251x)	Wood, Except Upholstered (SIC 2511)	<u>Ammonia, Bis(tributyltin) oxide, Methylene chloride, PAHs and PAH-related compounds, Naphthalene, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, Xylenes</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Household Furniture (SIC 251x)	Wood, TV & Radio Cabinets (SIC 2517)	<u>Bis(tributyltin) oxide, Toluene</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Office Furniture (SIC 252x)	Other Than Wood (SIC 2522)	<u>Ammonia, Arsenic pentoxide, Formaldehyde, Methylene chloride, Perchloroethylene, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, Vinyl bromide, Xylenes, Zinc oxide</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Office Furniture (SIC 252x)	Wood (SIC 2521)	<u>Bis(tributyltin) oxide, Formaldehyde, Toluene diisocyanates, Methylene chloride, PAHs and PAH-related compounds, Naphthalene, Toluene, 1,1,1-TCA, TCE, Xylenes</u>
Furniture & Fixture Manufacturing (SIC 25xx)	Partitions & Fixtures (SIC 254x)	Other Than Wood (SIC 2542)	<u>Arsenic pentoxide, Methylene chloride, Perchloroethylene, Toluene, 1,1,1-TCA, TCE</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Furniture & Fixture Manufacturing (SIC 25xx)</u>	<u>Partitions & Fixtures (SIC 254x)</u>	<u>Wood (SIC 2541)</u>	<u>Ammonia, Bis(tributyltin) oxide, Toluene diisocyanates, Toluene, TCE</u>
<u>Furniture & Fixture Manufacturing (SIC 25xx)</u>	<u>Public Building & Related Furniture (SIC 2531)</u>	-	<u>Ammonia, Arsenic pentoxide, Toluene, Vinyl bromide, Xylenes</u>
<u>Furniture & Fixture Manufacturing (SIC 25xx)</u>	<u>Combustion Process - see Combustion, Appendix C-I</u>	-	-
<u>Furniture & Fixture Manufacturing (SIC 25xx)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Furniture & Fixture Manufacturing (SIC 25xx)</u>	<u>Metal Working - see Metal, Appendix C-II</u>	-	-
<u>Furniture & Fixture Manufacturing (SIC 25xx)</u>	<u>Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Furniture & Fixture Manufacturing (SIC 25xx)</u>	<u>Upholstery Manufacturing - see Textiles, Appendix C-II</u>	-	-
<u>Furniture & 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, Toluene, 1,1,1-TCA</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, tert-Butyl alcohol, EDB, EDC, Gasoline vapors, Toluene, Xylenes</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
Gas Stations (SIC 5541)	<u>Liquid Storage & Transfer - see Liquid Storage & Transfer, Appendix C-I</u>	-	-
Gas Stations (SIC 5541)	<u>Vehicle Refueling - see Other Processes, Appendix C-I</u>	-	-
Glass Products - see Clay, Glass & Stone Products, Appendix C-II	-	-	-
Grain Production - see Agricultural Production and Food Products, Appendix C-II	-	-	-
Grain Wholesaling (SIC 5153)	-	-	<u>Ammonia</u>
Grey Iron Foundries - see Metal Smelters & Foundries, Appendix C-II	-	-	-
Hospitals (SIC 806x, 807x)	<u>General Medical & Surgical (SIC 8062)</u>	-	<u>Dimethyl-p-toluidine, ETO, Fluoroxene, EGDMA, Hydrochloric acid, Hydrogen chloride, Hydrogen sulfide, Iodoform, Methylene bis(4-cyclohexylisocyanate), Peracetic acid, Phenol, beta-Propiolactone, Iodine-131, Special-purpose fibers, Styrene and copolymers, Tricresyl phosphate, Uranium and compounds</u>
Hospitals (SIC 806x, 807x)	<u>Medical Labs (SIC 8071)</u>	-	<u>Acrolein, n-Butyronitrile, Dimethyl sulfate, ETO, Formaldehyde, Hydrochloric acid, p-tert-Butyl toluene</u>
Hospitals (SIC 806x, 807x)	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
Hospitals (SIC 806x, 807x)	<u>Medical Instrument Manufacturing - see Instrument Manufacturing, Appendix C-II</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Hospitals (SIC 806x, 807x)	Research - see Research & Development, Appendix C-II	-	-
Hospitals (SIC 806x, 807x)	Sterilizers - see Other Processes, Appendix C-I	-	-
Incineration - see Combustion, Appendix C-I	-	-	-
Industrial Combustion - see Combustion, Appendix C-I	-	-	-
Industrial Wastewater Treatment - see Other Processes, Appendix C-I	-	-	-
Inorganic Chemical Manufacturing - see Chemical Manufacturing, Inorganic, Appendix C-II	-	-	-
Instruments & Related Products (SIC 38xx)	-	-	Beryllium oxide, Flame retardants, CFC-113, Toluene, 1,1,1-TCA
Instruments & Related Products (SIC 38xx)	Engineering & Science Instruments (SIC 3826)	-	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, Toluene, 1,1,1-TCA, TCE, Zinc
Instruments & Related Products (SIC 38xx)	Measuring & Controlling Devices (SIC 382x)	-	Ammonia, EDB, ETO, Mercury, 1,1,2,2-Tetrabromoethane, Toluene
Instruments & Related Products (SIC 38xx)	Measuring & Controlling Devices (SIC 382x)	Environmental Controls (SIC 3822)	Beryllium, Chlorine, Hydrogen chloride, Mercury, TCE

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Measuring & Controlling Devices (SIC 382x)</u>	<u>Process Control Instruments (SIC 3823)</u>	<u>Beryllium, Cadmium, Hafnium and compounds, Hydrogen chloride, 1,1,2,2-Tetrabromoethane, Toluene, Zinc, Zinc oxide</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Measuring & Controlling Devices (SIC 382x)</u>	<u>Electricity Measuring Instruments (SIC 3825)</u>	<u>Beryllium, Toluene, 1,1,1-TCA</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Medical Instruments & Supplies (SIC 384x, 3851)</u>	-	<u>Ammonia, Beryllium, Hydrogen chloride, 2-Mercaptobenzothiazole, Methyl methacrylate, Acrylonitrile-butadiene-styrene copolymers, Toluene, TCE</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Medical Instruments & Supplies (SIC 384x, 3851)</u>	<u>Dental Equipment & Supplies (SIC 3843)</u>	<u>Ammonia, Benzoyl peroxide, Cadmium, Chlorine, ETO, Formaldehyde, Novolac resins, Phenol, Platinum, Tin, Toluene, 1,1,1-TCA, Zinc, Zinc oxide</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Medical Instruments & Supplies (SIC 384x, 3851)</u>	<u>Ophthalmic Goods (SIC 3851)</u>	<u>Acrylamide, Ammonia, Bisphenol-related chemicals, Dimethyl phthalate, Glycidyl methacrylate, 1,1,1-TCA, TCE, Vinyl acetate</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Medical Instruments & Supplies (SIC 384x, 3851)</u>	<u>Surgical & Medical Instruments (SIC 3841)</u>	<u>ETO, Formaldehyde, Perchloroethylene, Platinum, Polychlorinated terphenyls, Toluene, 1,1,1-TCA, TCE, Zinc</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Medical Instruments & Supplies (SIC 384x, 3851)</u>	<u>Surgical Appliances & Supplies (SIC 3842)</u>	<u>Ammonia, Chromium, ETO, Formaldehyde, Hydrogen chloride, Lead, Methyl methacrylate, Mineral fibers (asbestos and related), Nickel, Toluene, 1,1,1-TCA, Vinylidene chloride</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Optical Instruments & Lenses (SIC 3827)</u>	-	<u>Acetaldehyde, Formaldehyde, Methylene chloride, Toluene, 1,1,1-TCA, TCE</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Photographic Equipment & Supplies (SIC 3861)</u>	-	<u>Acetaldehyde, Acrylonitrile, Ammonia, Arsenic, Barium sulfate, Benzene, Benzenesulfonic acid, Benzidine, Benzidine and its salts, Benzyl chloride, Bis(chloromethyl) ether, n-Butyl alcohol, Cadmium, Carbon tetrachloride, Chlorine, Chlorobenzene, Chloroform, Chromium, Di(2-ethylhexyl) phthalate, Dimethyl sulfate, 1,4-Dioxane, Epichlorohydrin, EDC, CFC-113, Formaldehyde, Ethylene glycol monomethyl ether, Ethylene glycol monomethyl ether acetate, Hydrazine, Hydrogen chloride, Toluene diisocyanates, Lead, Mercury, Methylene chloride, Mineral fibers (asbestos and related), Nickel, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Phenol, Phosgene, Propylene oxide, Quinone, Silver, Styrene and copolymers, 1,1,1,2-Tetrachloroethane, Toluene, 1,1,1-TCA, TCE, Trimethylolpropane triacrylate, Vinyl chloride, Vinylidene chloride, Xylenes, Zinc, Zinc oxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Watches/Clocks/Watchcases (SIC 3873)</u>	-	<u>Hydrogen chloride, Toluene, TCE</u>
<u>Instruments & Related Products (SIC 38xx)</u>	<u>Watches/Clocks/Watchcases</u>	<u>Plating - see Metal Plating, Appendix C-II</u>	-
<u>Instruments & 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, & Plated Ware (SIC 391x, 396x)</u>	-	-	<u>Isocyanates</u>
<u>Jewelry, Silverware, & Plated Ware (SIC 391x, 396x)</u>	<u>Jewelry, Costume (SIC 3961)</u>	-	<u>Aluminum, Aluminum oxide, Ammonia, Chlorine, Ethyl cyanoacrylate, Hydrogen chloride, Lead, Methyl cyanoacrylate, Perchloroethylene, Rhodium, Silica (crystalline, respirable), Sulfuric acid, Toluene, TCE</u>
<u>Jewelry, Silverware, & Plated Ware (SIC 391x, 396x)</u>	<u>Jewelry, Precious Metal (SIC 3911)</u>	-	<u>Aluminum, Ammonia, Ethyl cyanoacrylate, CFC-113, Hydrogen chloride, Lead, Methyl cyanoacrylate, Platinum, Rhodium, Ruthenium, Silica (crystalline, respirable), Silver, Sulfuric acid, Toluene, 1,1,1-TCA, TCE</u>
<u>Jewelry, Silverware, & Plated Ware (SIC 391x, 396x)</u>	<u>Jewelers Materials & Lapidary Work (SIC 3915)</u>	-	<u>Ammonia, Hydrogen chloride, Lead</u>
<u>Jewelry, Silverware, & Plated Ware (SIC 391x, 396x)</u>	<u>Silverware & Plated Ware (SIC 3914)</u>	-	<u>Ammonia, Beryllium, Hydrogen chloride, Lead, Silver, TCE</u>
<u>Jewelry, Silverware, & Plated Ware (SIC 391x, 396x)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Landfills (SIC 4953)</u>	<u>Any/all operations, especially gas recovery and open fugitives</u>	-	<u>Benzene, Methylene chloride, 1-Methylnaphthalene, Methylnaphthalene (mixed), Mineral fibers (asbestos and related), PCBs, Perchloroethylene, Perfluoro and polyfluoro compounds, TCE, Trimethylamine, Vinyl chloride, Vinylidene chloride</u>
<u>Landfills (SIC 4953)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Landfills (SIC 4953)</u>	<u>Fugitives - see Liquid Storage & Transfer, Appendix C-I</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Laundry, Cleaning, & Garment Services - see Dry Cleaning, Appendix C-II</u>	-	-	-
<u>Leather & Leather Products (SIC 31xx)</u>	-	-	<u>Ammonium sulfate, 2,4,5-Trichlorophenol, Flame retardants, Leather dust, Methacrylic acid</u>
<u>Leather & Leather Products (SIC 31xx)</u>	<u>Leather Tanning & Finishing (SIC 3111)</u>	-	<u>Acetaldehyde, Acetic acid, Arsenic, Arsenic trioxide, Calcium oxide, Chromium, Chromium hexavalent, Sodium dichromate, Chromium (III) Sulfate, Copper, Crotonaldehyde, Cyclohexanol, Dimethyl formamide, Ethyl acrylate, Formaldehyde, Formic acid, Glyceraldehyde, Hydrochloric acid, Lead, Melamine, Mercuric chloride, Methyl acrylate, Methylamine, 4-Nitrophenol, PAHs and PAH-related compounds, Naphthalene, Quinone, Sodium dimethyldithiocarbamate, Tetrakis(hydroxymethyl)phosphonium chloride, Toluene, Vinyl bromide</u>
<u>Leather & Leather Products (SIC 31xx)</u>	<u>Footwear, not rubber (SIC 314x)</u>	-	<u>Toluene</u>
<u>Leather & Leather Products (SIC 31xx)</u>	<u>Personal Leather Goods (SIC 317x)</u>	-	<u>Toluene, TCE, Vinyl bromide</u>
<u>Leather & Leather Products (SIC 31xx)</u>	<u>Tanning Processes (SIC 3111)</u>	<u>Tanning agents</u>	<u>Arsenic trioxide, Chromium, Chromium (III) Sulfate, Cresols, Formaldehyde, 1-Nitronaphthalene, Phenol</u>
<u>Leather & Leather Products (SIC 31xx)</u>	<u>Dyes, pigments, & coloring agents</u>	-	<u>Anthranilic acid, Arsenic pentoxide, Direct Black 38, Direct Blue 6, Direct Blue 218, Direct Brown 95, n-Butyl alcohol, sec-Butyl alcohol, Cadmium, Chloroacetic acid, 5-Chloro-o-toluidine and its strong acid salts, 2,4-Dichlorophenol, Chromium, Chromium hexavalent, Lead chromate, Sodium dichromate, Cobalt compounds, Cobalt octoate, Copper, m-Cresidine, p-Cresidine, 2,4-Diaminoanisole, 1,4-Dichloro-2-nitrobenzene, 3,3'-Dimethoxybenzidine, 3,3'-Dimethylbenzidine dihydrochloride, 3,3'-Dimethylbenzidine, Endrin, Ethylene glycol, Glutaraldehyde, Lead, meta-Phenylenediamine, Nickel, Uranium and compounds, Zinc compounds</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Leather & Leather Products (SIC 31xx)</u>	<u>Miscellaneous (SIC 31xx)</u>	-	<u>Ammonia, Chlorine, Chlorine dioxide, 1,2-Dichlorobenzene, Chloroform, Cyclohexanol, Glutaraldehyde, Glycol ethers and their acetates, Hexane, Hydrochloric acid, Methylene chloride, Nabam, Perchloroethylene, 2-Phenylphenol, Sodium hydroxide, Sulfuric acid, Toluene, 1,1,1-TCA, TCE, Uranium and compounds, Vinyl bromide, Xylenes</u>
<u>Leather & Leather Products (SIC 31xx)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Leather & Leather Products (SIC 31xx)</u>	<u>Liquid Storage and Transfer - see Liquid Storage & Transfer, Appendix C-I</u>	-	-
<u>Leather & 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>	-	-	-
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	-	-	<u>Acetaldehyde, Acrolein, Ammonia, Arsenic, Arsenic pentoxide, Benzene, Beryllium, 1,3-Butadiene, Cadmium, Chromium, Chromium hexavalent, Strontium chromate, Copper, Dibromoacetonitrile, Diesel engine PM, 1,4-Dioxane, Ethyl benzene, EDC, Fluorocarbons (Chlorinated), CFC-113, Formaldehyde, Glycol ethers and their acetates, Hydrochloric acid, Isocyanates, Isopropyl alcohol, Lead, Manganese, 2-Mercaptobenzothiazole, Methanol, Methyl ethyl ketone, Methylene chloride, Nickel, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Phenol, Polychlorinated terphenyls, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Toluene, 1,1,1-TCA, TCE, 1,2,4-Trimethylbenzene, Xylenes, Zinc, Any other listed substances</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction & Related Machinery (SIC 353x)</u>	-	<u>Copper, Dibromoacetonitrile, Manganese</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction & Related Machinery (SIC 353x)</u>	<u>Construction Machinery (SIC 3531)</u>	<u>Carbon tetrachloride, Dibromoacetonitrile, Hydrogen chloride, Perchloroethylene, Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction & Related Machinery (SIC 353x)</u>	<u>Conveyors & Conveying Equipment (SIC 3535)</u>	<u>Ammonia, Toluene, TCE</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction & Related Machinery (SIC 353x)</u>	<u>Elevators & Moving Stairways (SIC 3534)</u>	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction & Related Machinery (SIC 353x)</u>	<u>Hoists, Cranes, & Monorails (SIC 3536)</u>	<u>Ammonia, Cadmium, Copper, Lead, Zinc</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Construction & 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 & 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 & Turbines (SIC 351x)</u>	-	<u>ETBE</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Engines & Turbines (SIC 3519)</u>	<u>Internal Combustion Engines (SIC 3519)</u>	<u>Ammonia, Benzene, EDB, EDC, Gasoline vapors, Hydrazine, 1,1,1-TCA</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Farm Machinery & Equipment (SIC 3523, 3511)</u>	-	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Farm Machinery & Equipment (SIC 3523, 3511)</u>	<u>Turbines & Turbine Generator Sets (SIC 3511)</u>	<u>Ammonia, Formaldehyde, Hydrogen chloride, Toluene diisocyanates, Maleic anhydride, Perchloroethylene, Phenol, Styrene and copolymers, Toluene, 1,1,1-TCA, Xylenes</u>
<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, Toluene, 1,1,1-TCA, TCE, Zinc oxide</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Bell & Roller Bearings (SIC 3562)</u>	<u>Cadmium, Copper, Indium and compounds, PAHs and PAH-related compounds, Naphthalene, Toluene, 1,1,1-TCA</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Blowers & Fans (SIC 3564)</u>	<u>Copper, Gasoline vapors, Lead, Toluene, 1,1,1-TCA, TCE</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Compressors, Air & 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 & Ovens (SIC 3567)</u>	<u>Arsenic, Copper, Hydrogen chloride, Lead, Toluene, TCE, 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, Silver</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Pumps & Pumping Equipment (SIC 3561)</u>	<u>Ammonia, Formaldehyde, Hydrogen chloride, Lead, Perchloroethylene, Phenol, Toluene, 1,1,1-TCA, Xylenes</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>General Industrial Machinery (SIC 356x)</u>	<u>Speed Changers, Drives & Gears (SIC 3566)</u>	<u>Perchloroethylene, Toluene, 1,1,1-TCA</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	-	<u>Arsenic, Cadmium, Dibromoacetonitrile, Perchloroethylene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Industrial Patterns (SIC 3543)</u>	<u>Dibromoacetonitrile, Formaldehyde, Phenol</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Machine Tool Accessories (SIC 3545)</u>	<u>Ammonia, Beryllium, Chromium, Dibromoacetonitrile, Hydrogen chloride, Toluene, 1,1,1-TCA, TCE</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Machine Tools, Metal Cutting Types (SIC 3541)</u>	<u>Ammonia, Dibromoacetonitrile, Lead, Silicon carbide whiskers, Toluene, TCE</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Machine Tools, Metal Forming Types (SIC 3542)</u>	<u>Ammonia, Benzene, Dibromoacetonitrile, Lead, Perchloroethylene, Toluene, 1,1,1-TCA, TCE</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Rolling Mill Machinery (SIC 3547)</u>	<u>Cadmium, Chromium, Dibromoacetonitrile, Zinc, Zinc oxide</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Metalworking Machinery (SIC 354x)</u>	<u>Special Dyes, Tools, Jigs, & Fixtures (SIC 3544)</u>	<u>1,4-Dichlorobenzene, Dibromoacetonitrile, Formaldehyde, Hydrogen chloride, Methylene chloride, PAHs and PAH-related compounds, Naphthalene, Toluene, 1,1,1-TCA, TCE, Zinc</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office & Computing Machines (SIC 357x)</u>	<u>Miscellaneous (SIC 357x, 3579)</u>	<u>CFC-113, Hydrogen chloride, Toluene, 1,1,1-TCA</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office & Computing Machines (SIC 357x)</u>	<u>Calculating & Accounting Machines (SIC 3578)</u>	<u>Arsenic, Hydrogen chloride, 1,1,1-TCA</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office & Computing Machines (SIC 357x)</u>	<u>Electronic & Computing Equipment (SIC 3571-3577)</u>	<u>Ammonia, Arsenic, Benzene, Benzidine, Benzidine and its salts, Bis(chloromethyl) ether, Chlorine, Chloroform, Chromium, Copper, CFC-113, Glycol ethers and their acetates, Hydrogen chloride, Hydrogen sulfide, Lead, Methylene chloride, Mineral fibers (asbestos and related), Nickel, Nitrobenzene, PAHs and PAH-related compounds, Benzo[a]pyrene, Naphthalene, Perchloroethylene, Phenol, Toluene, 1,1,1-TCA, TCE, Vinyl chloride, Zinc</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office & Computing Machines (SIC 357x)</u>	<u>Electronic & Computing Equipment -- Also see <u>Electrical & Electronic Equipment, Appendix C-II</u></u>	-
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Office & 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 & 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 & Service Machinery (SIC 358x)</u>	<u>Commercial Laundry Equipment (SIC 3582)</u>	<u>Arsenic, Perchloroethylene, Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration & Service Machinery (SIC 358x)</u>	<u>Measuring & Dispensing Pumps (SIC 3586)</u>	<u>Toluene</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration & Service Machinery (SIC 358x)</u>	<u>Refrigeration & Heating Equipment (SIC 3585)</u>	<u>Ammonia, Bromoethane, Chlorotrifluoromethane, Copper, Dibromochloromethane, Ethylene, Ethylene glycol, Fluorocarbons (Chlorinated), CFC-113, Formaldehyde, Hydrogen sulfide, Lead, Magnesium oxide, Methylene chloride, Phthalic anhydride, Sulfur dioxide, Toluene, 1,1,1-TCA, TCE, Xylenes, Zinc</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration & Service Machinery (SIC 358x)</u>	<u>Water Filtration & Reverse Osmosis Equipment (SIC 3589)</u>	<u>1,4-Dioxane</u>
<u>Machinery Manufacturing, Except Electrical (SIC 35xx)</u>	<u>Refrigeration & 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, 1,1,2,2-Tetrabromoethane, Toluene, 1,1,1-TCA, TCE</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, Toluene, TCE</u>
<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, Toluene diisocyanates, Lead, Methylene chloride, Toluene, 1,1,1-TCA, 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>Toluene, TCE, 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>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</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 & Publishing, Appendix C-II</u>	-	-	-
<u>Manufacturing of Chemicals and Allied Products - see Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Manufacturing of Leather & Leather Products - see Leather & Leather Products, Appendix C-II</u>	-	-	-
<u>Manufacturing of Metal Products - see Metal Product Fabrication, Appendix C-II</u>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Manufacturing of Plastics - see Rubber & Misc Plastics Products and Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Manufacturing of Stone, Clay, Glass, And Concrete Products - see Clay, Glass & Stone Products, Appendix C-II</u>	-	-	-
<u>Manufacturing of Transportation Equipment - see Transportation Equipment Manufacturing/Repair, Appendix C-II</u>	-	-	-
<u>Manufacturing Industries, Not Elsewhere Classified (SIC 3999)</u>	-	-	<u>p-Phenylenediamine, Sodium chlorite</u>
<u>Mechanical Assembly Cleaning - see Solvent Use, Degreasing, Appendix C-I</u>	-	-	-
<u>Metal Forming (SIC 34xx)</u>	<u>Aluminum Forming</u>	-	<u>Aluminum, Boron oxide, Chloroform, Methylene chloride, TCE</u>
<u>Metal Forming (SIC 34xx)</u>	<u>Aluminum Forming</u>	<u>Also see Metal Smelters & Foundries, Secondary Aluminum, Appendix C-II</u>	-
<u>Metal Forming (SIC 34xx)</u>	<u>Machining</u>	-	<u>1,1,1-TCA</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Forming (SIC 34xx)</u>	<u>Also see Metal Product Fabrication and Metal Smelters, Appendix C-II</u>	-	-
<u>Metal Furniture Manufacturing - see Furniture Manufacturing, Appendix C-II</u>	-	-	-
<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, Chlorine, Chromium hexavalent, Calcium chromate, Chromium trioxide, Sodium dichromate, Strontium chromate, Chromium (III) Sulfate, Chromium trivalent, Cobalt compounds, Copper, Dimethylamine, 1,4-Dioxane, Hydrogen fluoride, CFC-113, Formaldehyde, Formic acid, Hydrazine, Hydrogen chloride, Indium and compounds, Isocyanates, Lead, Mercury, Methylene chloride, Nickel, Nickel compounds, Perchloroethylene, Sodium diamyl sulfosuccinate, Styrene and copolymers, Sulfuric acid, Toluene, Toluene sulfonic acids, 1,1,1-TCA, TCE, 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, sec-Butyl alcohol, tert-Butyl alcohol, Cyanide compounds (inorganic), Cyclosiloxanes, D5, Hydrazine, Hydrochloric acid, Nitric acid, Nitrilotriacetic acid, Sulfuric acid, Thiourea, Toluene sulfonic acids</u>
<u>Metal Plating (SIC 3471)</u>	<u>Storage/Handling</u>	<u>Plating/other process bath components and Plating tank, Electric arc furnace</u>	<u>Ammonia, Ammonium chloride, Ammonium sulfate, Arsenic, Cadmium, Chlorendic acid, Chromium, Chromium hexavalent, Calcium chromate, Chromium trioxide, Sodium dichromate, Strontium chromate, Chromium trivalent, Copper, Flame retardants, Hydrochloric acid, Indium and compounds, Lead, 2-Mercaptobenzothiazole, Nickel, Selenium, Sodium hydroxide, Zinc</u>
<u>Metal Plating (SIC 3471)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</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 & Transfer, Appendix C-I</u>	-	-
<u>Metal Product Fabrication (SIC 34xx)</u>	-	-	<u>Acrolein, Acrylonitrile, Ammonia, Ammonium sulfate, Arsenic, Benzene, Benzenesulfonic acid, Beryllium, Boron oxide, 1,3-Butadiene, t-Butyl acetate, n-Butyl alcohol, sec-Butyl alcohol, Cadmium, Carbon black extracts, Cerium, Chlorinated paraffins, Chlorine, Chloroform, Chromium, Chromium hexavalent, Chromium trioxide, Strontium chromate, Cobalt chloride (hexahydrate), Cobalt metal with tungsten carbide, Copper, N-Nitrosodiethylamine, N-Nitrosodi-n-butylamine, 1,2-Dichloropropane, Diesel engine PM, Di(2-ethylhexyl) phthalate, Dimethyl glutarate, 1,4-Dioxane, Epichlorohydrin, Ethyl benzene, Ethylene, EDC, Hydrogen fluoride, Fluorocarbons (Chlorinated), CFC-113, Formaldehyde, Glycol ethers and their acetates, Propylene glycol monomethyl ether, Propylene glycol monomethyl ether acetate, Hexane, Hydrazine, Hydrochloric acid, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Toluene diisocyanates, Isopropyl alcohol, Lead, Lead compounds (inorganic), Manganese, Mercury, Methanol, Methyl ethyl ketone, MIBK, Methylene chloride, Nickel, Nitric acid, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Phenol, Phosphoric acid, Polychlorinated terphenyls, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Styrene and copolymers, Acrylonitrile-butadiene-styrene copolymers, Sulfuric acid, Terephthalic acid, Tetraethylene glycol, Toluene, 1,1,1-TCA, TCE, TRIM VX, 1,2,4-Trimethylbenzene, Xylenes, Zinc, Zinc oxide, Any other listed substances</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cans & Shipping Containers (SIC 341x)</u>	<u>Metal Cans (SIC 3411)</u>	<u>Aluminum, Benzene, Bisphenol-related chemicals, Lead, Perchloroethylene, Tin, Toluene, 1,1,1-TCA, TCE, Xylenes</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cans & Shipping Containers (SIC 341x)</u>	<u>Metal Barrels, Drums & Pails (SIC 3412)</u>	<u>Ammonia, PAHs and PAH-related compounds, Naphthalene, Toluene, 1,1,1-TCA</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools & Hardware (SIC 342x)</u>	<u>Cutlery (SIC 3421)</u>	<u>Chromium, Lead, Toluene, TCE</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools & Hardware (SIC 342x)</u>	<u>Hand & Edge Tools (SIC 3423)</u>	<u>Ammonia, Chlorine, Chromium, Hydrogen chloride, Methylene chloride, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, Zinc</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools & Hardware (SIC 342x)</u>	<u>Hand Saws & Saw Blades (SIC 3425)</u>	<u>Copper, Lead, Nickel, Toluene, TCE, Zinc</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Cutlery, Handtools & Hardware (SIC 342x)</u>	<u>Misc Hardware (SIC 3429)</u>	<u>Ammonia, Chlorine, Chromium, Copper, Ferrovandium dust, Hydrogen chloride, Hydrogen sulfide, Lead, Methylene chloride, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Phenol, Toluene, 1,1,1-TCA, TCE, Zinc, Zinc oxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Foil & Leaf (SIC 3497)</u>	-	<u>Ammonia, Copper, Hydrogen chloride, Lead, Perchloroethylene, Zinc, Zinc oxide</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings & Stampings (SIC 346x)</u>	-	<u>Calcium oxide, Uranium and compounds</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings & Stampings (SIC 346x)</u>	<u>Iron & Steel Forgings (SIC 3462)</u>	<u>Hydrogen sulfide, Magnesium oxide, Manganese, 4,4'-Methylenedianiline (and dichloride)</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings & 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 & Stampings (SIC 346x)</u>	<u>Crowns & Closures (SIC 3466)</u>	<u>Lead</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Metal Forgings & Stampings (SIC 346x)</u>	<u>Misc Metal Stampings (SIC 3469)</u>	<u>Copper, Perchloroethylene, Toluene, 1,1,1-TCA, TCE</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Misc Metal Services (SIC 347x)</u>	-	<u>Chlorotrifluoromethane, N-Nitrosodiethylamine, N-Nitrosodi-n-butylamine, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Misc Metal Services (SIC 347x)</u>	<u>Plating & Polishing (SIC 3471)</u>	<u>Acrolein, Ammonia, Arsenic, Benzene, Cadmium, Chloride, Chlorine, 1,2-Dichlorobenzene, Chloroform, Chromium, Chromium hexavalent, Calcium chromate, Chromium trioxide, Strontium chromate, Chromium trivalent, Copper, Cyclohexanol, Formaldehyde, Hydrogen chloride, Isocyanates, Lead, Methylene chloride, Nickel, Nitrobenzene, Perchloroethylene, Perfluoro and polyfluoro compounds, Selenium, Silver, Toluene, 1,1,1-TCA, TCE, Zinc, Zinc oxide</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Misc Metal Services (SIC 347x)</u>	<u>Metal Coating & Allied Services (SIC 3479)</u>	<u>Acetaldehyde, Antimony, Arsenic, Benzene, Cadmium, Chlorine, Chlorotrifluoromethane, Chromium, Chromium hexavalent, Calcium chromate, Chromium trioxide, Sodium dichromate, Strontium chromate, Chromium trivalent, Copper, Decaborane, Ethylene, Formaldehyde, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Lead, Lead acetate, Methylene chloride, Nickel, Perchloroethylene, Perfluoro and polyfluoro compounds, Tin, Toluene, 1,1,1-TCA, TCE, Wollastonite, Xylenes, Yttrium and compounds, Zinc, Zinc oxide</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Ordnance & Accessories (SIC 348x)</u>	<u>Small Arms Ammunition (SIC 3482)</u>	<u>Dinitrotoluenes (mixed isomers), Lead</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Ordnance & Accessories (SIC 348x)</u>	<u>Ammunition, except small arms (SIC 3483)</u>	<u>Dinitrotoluenes (mixed isomers), Hydrogen sulfide, Toluene, TCE</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Ordnance & Accessories (SIC 348x)</u>	<u>Small Arms (SIC 3484)</u>	<u>Ammonia, Arsenic, CFC-113, Formaldehyde, Hydrogen chloride, Lead, Phenol, Sodium aluminum fluoride, Toluene, Zinc oxide</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Plumbing & Heating, except electric (SIC 343x)</u>	<u>Metal Sanitary Ware (SIC 3431)</u>	<u>Methylene chloride, Toluene</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Plumbing & Heating, except electric (SIC 343x)</u>	<u>Plumbing Fittings & Brass Goods (SIC 3432)</u>	<u>Ammonia, Cadmium, Formaldehyde, Hydrogen chloride, Phenol, Toluene, TCE, Zinc oxide</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Plumbing & 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>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, & 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, Toluene, 1,1,1-TCA</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 & Trim (SIC 3442)</u>	<u>Ammonia, Cadmium, Formaldehyde, Perchloroethylene, Toluene, 1,1,1-TCA, 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, Toluene, 1,1,1-TCA, TCE</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Sheet Metal Work (SIC 3444-3449)</u>	-	<u>Ammonia, Toluene diisocyanates, Perchloroethylene, Toluene, 1,1,1-TCA, TCE</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, Toluene, 1,1,1-TCA, TCE</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</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>
<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 & Pipefittings (SIC 3494)</u>	-	<u>Copper, Phenol, Toluene, 1,1,1-TCA, TCE, Zinc</u>
<u>Metal Product Fabrication (SIC 34xx)</u>	<u>Wire Product Fabrication (SIC 3496)</u>	-	<u>Ammonia, Hydrogen chloride, Nickel, Perchloroethylene, Phthalates, Toluene, 1,1,1-TCA, 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>	-	-
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	-	-	<u>Acrolein, Ammonia, Arsenic, Benzene, Beryllium, 1,3-Butadiene, Cadmium, Chlorine, Chloroprene, Chromium, Chromium hexavalent, Copper, Cresols, p-Cresol, Cyanide compounds (inorganic), Cyanogen chloride, Dibutyl phosphate, Diesel engine PM, 1,4-Dioxane, Dioxins, Diphenyl thiourea, Hydrogen fluoride, Fluorocarbons (Chlorinated), Formaldehyde, Formic acid, Furans, Glycol ethers and their acetates, Hexachloroethane, Hydrochloric acid, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Lead, Malononitrile, Manganese, Mercury, Methanol, Methyl ethyl ketone, Methylene chloride, Nickel, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Phosphorus, Polychlorinated dibenzofurans, Polychlorinated terphenyls, Propargyl alcohol, Silica (crystalline, respirable), Sodium aluminum fluoride, Sodium hydroxide, Sulfur dioxide, Sulfuric acid, Thiourea, Toluene, 1,1,1-TCA, TCE, Uranium and compounds, Xylenes, Zinc, All listed metals, Any other listed substances</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>For non-metals mining - see Mining, Appendix C-II</u>	-	-
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>For any type of metal smelter - see Combustion and Liquid Storage & Transfer, Appendix C-I</u>	-	-
<u>Metal Smelters & 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 & handling, service road, prebake/reduction/soderberg stud cell, Anode bake furnace</u>	<u>Benzene, Boron trichloride, Chloroform, Cresols, Fluorides, Methylene chloride, PAHs and PAH-related compounds, POM, TCE</u>
<u>Metal Smelters & 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 & 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>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & 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>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Cadmium-Nickel Battery (SIC 3356, 3691)</u>	<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</u>	<u>Barium sulfate, Cadmium, Chromium hexavalent, Barium chromate, Lead, Nickel</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Chromite Ore Refining (SIC 3312, 3313, 3399)</u>	<u>Gaseous, aerosol, particulate releases including but not limited to: From dryer, mill, cyclone, storage</u>	<u>Chromium</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Metallurgical Coke (SIC 3312)</u>	<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>	<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>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & 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, Dioxins, Lead, Mercury, PAHs and PAH-related compounds, Perchloroethylene, Polychlorinated dibenzofurans, POM, Selenium, Zinc</u>
<u>Metal Smelters & 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, Tin, Zinc</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Electrometallurgical Products (SIC 3313)</u>	-	<u>Arsenic, Cadmium, Chromium, Copper, Manganese, Nickel</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & 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 & handling, storage pile, furnace, decarburizing vessels</u>	<u>Boron trichloride, Cadmium, Chromium, 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</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Iron & Steel Foundries (SIC 332x)</u>	-	<u>Magnesium oxide</u>
<u>Metal Smelters & 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 & handling, storage pile, service road</u>	<u>Ammonia, Arsenic, Benzene, Beryllium, Boron trichloride, Cadmium, Calcium oxide, Chlorine, Chromium, Coke oven emissions, Copper, N-Nitrosodiethylamine, N-Nitrosodi-n-butylamine, Dioxins, Ferrovandium dust, Formaldehyde, 2,4-Hexadienal, Hydrogen chloride, Hydrogen sulfide, Lead, Magnesium oxide, Manganese, Mercury, 4,4'-Methylenedianiline (and dichloride), Molybdenum trioxide, Nickel, PAHs and PAH-related compounds, Naphthalene, Phenol, Phosphorus, Polychlorinated dibenzofurans, POM, Selenium, Toluene, TCE, Vanadium, Xylenes, Yttrium and compounds, Zinc</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Iron and Steel Production</u>	<u>Also see Combustion (Blast Furnace), Appendix C-I</u>	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & 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 & core decomposition, & service road</u>	<u>Acetaldehyde, Acrolein, Ammonia, Arsenic, Benzene, Beryllium, Cadmium, Chromium, Copper, Formaldehyde, Hydrogen sulfide, Iron, Lead, Manganese, Mercury, Nickel, PAHs and PAH-related compounds, Naphthalene, Phenol, POM, Styrene and copolymers, Toluene, 1,1,1-TCA, Xylenes, Zinc</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Malleable Iron Foundries (SIC 3322)</u>	-	<u>Ammonia, Formaldehyde, Zinc</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Steel Investment Foundries (SIC 3324)</u>	-	<u>Cadmium, Chromium, Polychlorinated terphenyls</u>
<u>Metal Smelters & 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 & core decomposition, and service road, From argon oxygen decarburization vessels, coke ovens</u>	<u>Ammonia, Arsenic, Beryllium, Boron trichloride, Cadmium, Calcium oxide, Chromium, Copper, Dioxins, Ferrovandium dust, 2,4-Hexadienal, Hydrogen chloride, Lead, Manganese, Molybdenum trioxide, Nickel, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Phenol, Phosphorus, Polychlorinated dibenzofurans, Selenium, Styrene and copolymers, Toluene, 1,1,1-TCA, Vanadium, Xylenes, Zinc</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Cold Finish Steel Shapes (SIC 3316)</u>	-	<u>Calcium oxide, Methylene chloride, Toluene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Steel Pipe & Tubes (SIC 3317)</u>	-	<u>Ammonia, Calcium oxide, Ferrovandium dust, Perchloroethylene</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Steel Wire & Related Products (SIC 3315)</u>	-	<u>Ammonia, Calcium oxide, Chlorine, Hydrogen chloride, Lead, Nickel, PCBs, Toluene, Zinc</u>
<u>Metal Smelters & 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, Dioxins, Lead, Mercury, PAHs and PAH-related compounds, Polychlorinated dibenzofurans, POM, Selenium</u>
<u>Metal Smelters & 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>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & 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 & Handling, Gaseous, aerosol, particulate releases including but not limited to:</u>	<u>Antimony, Arsenic, Barium sulfate, Cadmium, Chromium hexavalent, Barium chromate, Lead, Manganese, Mercury</u>
<u>Metal Smelters & 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>
<u>Metal Smelters & 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 & handling, storage pile, slips, casthouse, sinter discharge, windbox & discharge</u>	<u>Manganese, PAHs and PAH-related compounds, POM</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & 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 & handling, storage pile, slips, casthouse, sinter discharge, windbox & discharge</u>	<u>Manganese, PAHs and PAH-related compounds, POM</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Dry-Cell Battery Production (SIC 3692)</u>	<u>Any/all operations, especially Material Preparation, Screening, Storage & Handling, Particulate substance releases including but not limited to: From the material crusher/mill and material storage</u>	<u>Barium sulfate, Chromium hexavalent, Barium chromate, Manganese, Mercury, Mercuric chloride, N-Methylpyrrolidone, Zinc</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Dry-Cell Battery Production</u>	<u>Also see Electrical & Electronic Equipment, Appendix C-II</u>	-
<u>Metal Smelters & 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, hoeing, retort</u>	<u>Mercury</u>
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Mining of Metals (SIC 10xx)</u>	-	<u>Cyanide compounds (inorganic), Dimethyl methylphosphonate, Hexachloroethane, Mercury, Methyl isopropyl ketone, Phosgene, Tri-n-butyl phosphate</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & 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 & handling, rotary dryers, storage pile, day bin, skip hoists</u>	<u>Arsenic, Biphenyl, Cadmium, Lead, Nickel, PAHs and PAH-related compounds, POM, Selenium, Zinc</u>
<u>Metal Smelters & 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>	<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>
<u>Metal Smelters & 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 & Foundries (SIC 33xx, 10xx)</u>	<u>Radium, Uranium, & 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 & Foundries (SIC 33xx, 10xx)</u>	<u>Steel Foundries - see Metal Smelters, Iron & Steel, Appendix C-II</u>	-	-
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Uranium Production - see Metal Smelters, Radium, Appendix C-II</u>	-	-
<u>Metal Smelters & Foundries (SIC 33xx, 10xx)</u>	<u>Vanadium Production - see Metal Smelters, Radium, Appendix C-II</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Metal Smelters & 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, Dioxins, Mercury, PAHs and PAH-related compounds, Polychlorinated dibenzofurans, POM, Selenium, Zinc</u>
<u>Metal Smelters & 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>t-Butyl acetate, Diethylenetriamine, Isocyanates, Uranium and compounds</u>
<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>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Military Bases (SIC 9711)</u>	<u>Research - see Research & 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 & Foundries, Appendix C-II</u>	-	-	-
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Miscellaneous (SIC 14xx, 1499)</u>	-	<u>Acetaldehyde, Acrolein, Aluminum, Antimony, Arsenic, Arsenic compounds (inorganic), 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, Asbestos, Nickel, PAHs and PAH-related compounds, Naphthalene, 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, p-Cresol, Toluene diisocyanates, PAHs and PAH-related compounds, POM</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, Toluene diisocyanates, Lead</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Coal (Bituminous) & Lignite (SIC 122x)</u>	-	<u>Arsenic, Coal dust, Coal tar, p-Cresol, Hydrogen sulfide, Toluene diisocyanates, o-Phenylenediamine and its salts</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Limestone (SIC 1422)</u>	-	<u>Nickel</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Minerals, Nonmetallic (SIC 1481)</u>	-	<u>Arsenic, Beryllium, Cadmium, Chromium, Toluene diisocyanates, Lead, Mineral fibers (asbestos and related)</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 & Gravel (SIC 144x)</u>	-	<u>Crystalline silica, Mineral fibers (asbestos and related)</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Sand & Gravel (SIC 144x)</u>	<u>Construction (SIC 1442)</u>	<u>Vinyl chloride</u>
<u>Mining of Non-Metals (SIC 14xx)</u>	<u>Sand & Gravel (SIC 144x)</u>	<u>Industrial (SIC 1446)</u>	<u>Arsenic, Beryllium, Toluene diisocyanates, Lead, Phenol</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>	<u>Wet Spin, Dry Spin, Filter-tow Dry Spin, Filament Yarn Dry Spin</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>	<u>Cyclosiloxanes, D5, Titanium dioxide</u>
<u>Monofilament Fiber Manufacturing (SIC 2823, 3089)</u>	<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>
<u>Monofilament Fiber Manufacturing (SIC 2823, 3089)</u>	<u>Solvents/precipitants</u>	-	<u>Methyl ethyl ketone, Sodium hydroxide, Sulfuric acid, Toluene, Zinc chloride</u>
<u>Monofilament Fiber Manufacturing (SIC 2823, 3089)</u>	<u>Flame retardants</u>	-	<u>Vinyl bromide</u>
<u>Monofilament Fiber Manufacturing (SIC 2823, 3089)</u>	<u>Promoters/activators</u>	-	<u>Hydrazine, Hydroquinone</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Monofilament Fiber Manufacturing (SIC 2823, 3089)	Lubricants	-	<u>Adipic acid, Amitrole, Ammonium salts, tert-Amyl methyl ether, Calcium oxide, Mica, Zinc oxide</u>
Monofilament Fiber Manufacturing (SIC 2823, 3089)	Combustion Processes - see Combustion, Appendix C-I	-	-
Monofilament Fiber Manufacturing (SIC 2823, 3089)	Storage - see Liquid Storage & Transfer, Appendix C-I	-	-
Monofilament Fiber Manufacturing (SIC 2823, 3089)	Surface Coating - see Solvent Use and Other Processes, Appendix C-I	-	-
Mortuaries - see Crematories, Human and Veterinary, and Funeral Service, Appendix C-II (SIC 7261)	-	-	-
Motor Vehicle Production - see Transportation Equipment, Appendix C-II	-	-	-
Motorcycle Manufacturing - see Transportation Equipment, Appendix C-II	-	-	-
Musical Instrument Manufacturing (SIC 3931)	-	-	<u>Isocyanates, Lead, Acrylonitrile-butadiene-styrene copolymers, Tin, Toluene, TCE</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Musical Instrument Manufacturing</u>	<u>Also see Combustion, Other Processes, and Solvent Use, Appendix C-I; Wood Product Manufacturing, Appendix C-II</u>	-	<u>Arsenic, Carbon tetrachloride, Chromium, Dioxin, CFC-113, Hydrazine, Mercury, Methylene chloride, PCBs, Perchloroethylene, Phenol, 1,1,1-TCA, Xylenes</u>
<u>National Defense (SIC 97xx)</u>	-	-	<u>p-Aramid fibrils, t-Butyl acetate, Carbon tetrachloride, Chromium, Diethylenetriamine, 1,4-Dioxane, Dioxin, CFC-113, Hydrazine, Isocyanates, Mercury, Methylene chloride, PCBs, Perchloroethylene, Phenol, 1,1,1-TCA, Uranium and compounds, Xylenes</u>
<u>National Defense (SIC 97xx)</u>	<u>Also see Military Bases, Appendix C-II</u>	-	-
<u>National Security (SIC 97xx)</u>	-	-	<u>Ammonia, p-Aramid fibrils, Benzene, Beryllium, t-Butyl acetate, Cadmium, Chlorinated phenols, Chromium, Diethylenetriamine, 1,4-Dioxane, ETO, Formaldehyde, Gasoline vapors, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Lead, Manganese, Methylene chloride, Nickel, PAHs and PAH-related compounds, Perchloroethylene, Phenol, POM, Radionuclides, 1,1,1-TCA, TCE, Xylenes</u>
<u>Natural Gas Combustion - see Combustion, Appendix C-I</u>	-	-	-
<u>Needle, Pin, & Fastener Manufacturing (SIC 3965)</u>	-	-	<u>Formaldehyde, Hydrogen chloride, Lead, Toluene, TCE, Zinc</u>
<u>Needle, Pin, & Fastener Manufacturing (SIC 3965)</u>	<u>Also see Metal Product Fabrication, Appendix C-II</u>	-	-
<u>Newspaper Publishing - see Printing & Publishing, Appendix C-II</u>	-	-	-
<u>Nickel Plating - see Metal Plating, Appendix C-II</u>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Office Machine Manufacturing - see Machinery Manufacturing, Appendix C-II</u>	-	-	-
<u>Office Supplies Manufacturing (SIC 395x)</u>	-	-	<u>Isocyanates</u>
<u>Office Supplies Manufacturing (SIC 395x)</u>	<u>Carbon Paper & Inked Ribbons (SIC 3955)</u>	-	<u>Toluene</u>
<u>Office Supplies Manufacturing (SIC 395x)</u>	<u>Lead Pencils & Art Goods (SIC 3952)</u>	-	<u>Copper, Formaldehyde, Sodium chlorite, Toluene</u>
<u>Office Supplies Manufacturing (SIC 395x)</u>	<u>Marking Devices (SIC 3953)</u>	-	<u>Lead, Toluene, TCE, Zinc</u>
<u>Office Supplies Manufacturing (SIC 395x)</u>	<u>Pens & Mechanical Pencils (SIC 3951)</u>	-	<u>Chlorine, Isocyanates, Methylene chloride, Perchloroethylene, Toluene, TCE</u>
<u>Office Supplies Manufacturing (SIC 395x)</u>	<u>Ink/Dye Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Oil Combustion - see Combustion, Appendix C-I</u>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Oil and Gas Extraction (SIC 13xx)	-	-	<u>Acetaldehyde, Acrolein, Acrylamide, Adipic acid, Ammonia, Ammonium sulfate, Arsenic, Benzene, Beryllium, Bromine, 1,3-Butadiene, Cadmium, Carbon tetrachloride, Chlorinated diphenyl oxide, Chlorine, 1,4-Dichlorobenzene, Chromium, Chromium hexavalent, Copper, Dibromoacetonitrile, Diesel engine PM, Diesel engine TOG, Dimethyl disulfide, 7,12-Dimethylbenz[a]anthracene, 1,4-Dioxane, Disodium cyanodithioimidocarbonate, Ethyl benzene, EDB, Ethylene glycol, ETO, Formaldehyde, Formic acid, Gasoline vapors, Glutaraldehyde, Glycol ethers and their acetates, Dipropylene glycol monomethyl ether, Ethylene glycol monobutyl ether, Hexane, Hydrochloric acid, Hydrogen sulfide, Isopropyl alcohol, Lead, Manganese, Mercury, Methanol, Nickel, PAHs and PAH-related compounds, Benzo[a]pyrene, Benzo[b]fluoranthene, Naphthalene, Perchloroethylene, Phenols, Phosphorus, POM, Propylene, Propylene oxide, Radionuclides, Selenium, Sodium hydroxide, Styrene, Sulfur compounds, 1,1,2,2-Tetrachloroethane, Thioglycolic acid and salts, Thiourea, Toluene, 1,1,1-TCA, 1,2,4-Trimethylbenzene, Uranium and compounds, Vinyl chloride, Xylenes, Zinc, Any other listed substances</u>
Oil and Gas Extraction (SIC 13xx)	Drilling Wells (SIC 1381)	-	<u>Barium sulfate, Beryllium, Calcium oxide, Dibromoacetonitrile, Hydrogen sulfide, Mica, Tri-n-butyl phosphate</u>
Oil and Gas Extraction (SIC 13xx)	Exploration (SIC 1382)	-	<u>Benzene, Carbon tetrachloride, Chlorobenzene, 1,4-Dichlorobenzene, EDC, Hydrogen sulfide, Toluene, 1,1,1-TCA, Xylenes</u>
Oil and Gas Extraction (SIC 13xx)	Extraction (SIC 13xx)	Natural Gas & Crude Petroleum (SIC 1311)	<u>Aluminum phosphide, Ammonia, Cyclohexane, Dibromoacetonitrile, Formaldehyde, Gasoline vapors, Glutaraldehyde, Hydrogen sulfide, Thioglycolic acid and salts, Trimethylamine</u>
Oil and Gas Extraction (SIC 13xx)	Extraction (SIC 13xx)	Natural Gas Liquids (SIC 1321)	<u>Ammonia, Hydrogen sulfide</u>
Oil and Gas Extraction (SIC 13xx)	Field Services (SIC 138x)	-	<u>Cobalt sulfide, Gasoline vapors, Hydrogen sulfide, Methanol, Iodine-131, Sodium hydroxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
<u>Oil and Gas Extraction (SIC 13xx)</u>	<u>Gas Stripping Fugitive Losses, Oil Production Fugitive Losses, Tertiary Oil Production, Heavy Oil Test Stations</u>	<u>Gaseous and aerosol releases from field separator, sumps, wells, well heads, well cellars, pumps, fittings, oil pits, compressors, oil/water separators, steam drive wells, cyclic wells, pseudo cyclic wells, test stations</u>	<u>Biphenyl, Dibromoacetonitrile, Diethanolamine, EDC</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 & 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 & Handling - see Liquid Storage & Transfer, Appendix C-I</u>	-	-
<u>Organic Chemical Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Paint & Allied Products Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Paper & Allied Products Manufacturing (SIC 26xx)	<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, Epichlorohydrin, Ethyl benzene, EDB, Flame retardants, Formaldehyde, Hexane, Hydrochloric acid, Hydrogen sulfide, Isopropyl alcohol, Lead, Manganese, Mercury, Methanol, Methyl acrylate, Methylene chloride, Nickel, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Polychlorinated dibenzofurans, Sodium fluoride, Sodium hydroxide, Styrene, Sulfur dioxide, Toluene, 1,1,1-TCA, TCE, Xylenes, Zinc, Any other listed substances</u>
Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)	<u>From: Sizing agents</u>	-	<u>Acrylamide, Styrene and copolymers</u>
Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)	<u>Wet & dry-strength agents</u>	-	<u>Epichlorohydrin, Formaldehyde</u>
Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)	<u>Adhesives</u>	-	<u>Acrylamide, Allyl methacrylate, Ammonia, t-Butyl acetate, Glutaraldehyde, Diethylene glycol, Methylene bis(4-cyclohexylisocyanate), PCBTF, Phthalates, Styrene and copolymers, Vinyl acetate, 4-Vinylcyclohexene, Vinylidene chloride</u>
Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)	<u>Dyes & pigments</u>	-	<u>Anthranilic acid, Arsenic pentoxide, Benzidine, Benzidine and its salts, Direct Black 38, Direct Blue 6, Direct Blue 218, Direct Brown 95, Chloroacetic acid, 5-Chloro-o-toluidine and its strong acid salts, 2,4-Dichlorophenol, Chromium hexavalent, Cobalt octoate, m-Cresidine, p-Cresidine, 2,4-Diaminoanisole, 3,3'-Dichlorobenzidine dihydrochloride, 1,4-Dichloro-2-nitrobenzene, Diethyl sulfate, 3,3'-Dimethoxybenzidine, 3,3'-Dimethylbenzidine dihydrochloride, 3,3'-Dimethylbenzidine, Endrin, Glutaraldehyde, Hexamethylenetetramine, Lead, Sulfuric acid, o-Tolidine</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
<u>Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Binders</u>	-	<u>Styrene and copolymers</u>
<u>Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Pigment fillers/coatings</u>	-	<u>Cobalt octoate, Ethylene, Methyl acrylate, Methylene bis(4-cyclohexylisocyanate), Mineral fibers (asbestos and related), Styrene and copolymers, Zinc, Zinc oxide</u>
<u>Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Humectants</u>	-	<u>Formaldehyde</u>
<u>Paper & 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 & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Oil-resistant additives</u>	-	<u>Fluorochemical chrome complex</u>
<u>Paper & 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 & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Machine operating aids, Biocides & slime control</u>	-	<u>Acrolein, Pentachlorophenol, Dibromoacetonitrile, Pentachloronitrobenzene, 1,1,1-TCA, Trichlorophenol</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Deinking agents</u>	-	<u>PCBTF, Sodium hydroxide, N-Vinyl-2-pyrrolidone</u>
<u>Paper & Allied Products Manufacturing: any/all sectors and product types (SIC 26xx)</u>	<u>Bleaching chemicals</u>	-	<u>Ammonia, tert-Butyl hydroperoxide, Chlorine, Chlorine dioxide, Chloroform, Chromic sulfate, Chromium hexavalent, Sodium dichromate, Dioxins, Methanol, Peracetic acid, Polychlorinated dibenzofurans, Sodium hydroxide, Zinc</u>
<u>Paper & 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>	-	<u>Chloroform, Ethylene, PCBTF, Phenol, Phthalates, Toluene</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Building Paper & Board Mills (SIC 2621, 2679)</u>	-	<u>Ammonia, Ammonium sulfate, Carbon disulfide, Disodium cyanodithioimidocarbonate, Magnesium oxide, Methyl acrylate, 2-Methylaziridine, Mica, Mineral fibers (asbestos and related), Nitrilotriacetic acid</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Deink Fine & Tissue Paper, Secondary Fiber Mills (SIC 2621)</u>	-	<u>Chloroform, Disodium cyanodithioimidocarbonate, 2-Methylaziridine, Tetraethylene glycol</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Paper Mills Misc (SIC 2621)</u>	-	<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, Thiourea, Titanium dioxide, Toluene, TCE, Urea-formaldehyde, Vinyl acetate</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers & Boxes Manufacturing (SIC 265x)</u>	-	<u>Ammonium sulfate, Di(2-ethylhexyl) phthalate</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers & Boxes Manufacturing (SIC 265x)</u>	<u>Corrugated & Solid Fiber Box (SIC 2653)</u>	<u>Ammonia, TCE</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers & Boxes Manufacturing (SIC 265x)</u>	<u>Folding Box (SIC 2657)</u>	<u>Formaldehyde</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers & Boxes Manufacturing (SIC 265x)</u>	<u>Sanitary Food Containers (SIC 2656)</u>	<u>Acetaldehyde, Ammonia, 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</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers & Boxes Manufacturing (SIC 265x)</u>	<u>Fiber Cans, Drums, etc (SIC 2655)</u>	<u>Ammonia, Styrene and copolymers, Toluene</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Containers & Boxes Manufacturing (SIC 265x)</u>	<u>Set-Up Box (SIC 2652)</u>	<u>Toluene</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Paperboard Mills (SIC 2631)</u>	-	<u>Cadmium, Chlorine, Chloroform, Disodium cyanodithioimidocarbonate, Formaldehyde, Toluene</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	-	<u>Methyl acrylate</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	<u>Die-Cut Paper & Board (SIC 2675)</u>	<u>Biphenyl, Methyl acrylate, Toluene, TCE</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	<u>Paper Bags (SIC 2673, 2674)</u>	<u>Acetaldehyde, Ammonia, Formaldehyde, Hydrogen chloride, Methyl acrylate, Methylene chloride, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Toluene, 1,1,1-TCA</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	<u>Pressed & Molded Pulp Goods (SIC 2621, 2679)</u>	<u>Calcium oxide, 2,4,6-Trichlorophenol, Zinc</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Converted Paper Products (SIC 267x)</u>	<u>Miscellaneous (SIC 2679)</u>	<u>Ammonia, Barium sulfate, Formaldehyde, Methanol, Methyl acrylate, Toluene</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	-	<u>Acrylamide, Chlorine, 2,4,6-Trichlorophenol, Cyclosiloxanes, D6, Disodium cyanodithioimidocarbonate</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Groundwood/Mechanical Pulp Manufacturing</u>	<u>Pentachlorophenol</u>
<u>Paper & 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 & Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Dissolving Pulp, Kraft or Sulfite</u>	<u>Anthraquinone, Chloroform</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Sulfite Papergrade Pulp</u>	<u>Chloroform</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Deink Fine & Tissue Paper</u>	<u>Chloroform, Tetraethylene glycol</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Pressed & Molded Pulp Goods</u>	<u>Zinc</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Paper & Allied Products Manufacturing (SIC 26xx)</u>	<u>Pulp Mill Manufacturing (SIC 2611)</u>	<u>Miscellaneous</u>	<u>Calcium oxide, Chlorine, Chlorine dioxide, Chloroform, 2,4,5-Trichlorophenol, Di-isobutyl phthalate, Dioxins, Hydrogen sulfide, Polychlorinated dibenzofurans</u>
<u>Paper & 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 & Pencils - see Office Supplies, Appendix C-II</u>	-	-	-
<u>Petroleum Bulk Stations & Terminals (SIC 5171)</u>	-	-	<u>Benzene, Benzyl chloride, Carbon tetrachloride, Chlorine, EDB, EDC, Formaldehyde, Gasoline vapors, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Magnesium oxide, Methyl methacrylate, Styrene and copolymers, Toluene, Xylenes</u>
<u>Petroleum Bulk Stations & Terminals (SIC 5171)</u>	<u>Also see Bulk Plants & Terminals, Appendix C-II</u>	-	-
<u>Petroleum & Coal Products (SIC 29xx)</u>	-	-	<u>Acetaldehyde, Acrolein, Ammonia, Arsenic, Benzene, Beryllium, 1,3-Butadiene, Cadmium, Carbon tetrachloride, Chlorine, Chloroform, Chromium, Chromium hexavalent, Copper, Cresols, Hydrocyanic acid, Cyclosiloxanes, D6, Diesel engine PM, Diethanolamine, Ethyl benzene, Ethylene, EDB, EDC, Hydrogen fluoride, Formaldehyde, Gasoline vapors, Hydrochloric acid, Hydrogen sulfide, Lead, Manganese, Mercury, Methanol, MTBE, Methylene chloride, Asbestos, Nickel, PAHs and PAH-related compounds, Benzo[a]pyrene, Benzo[b]fluoranthene, Chrysene, Naphthalene, Phenanthrene, Perchloroethylene, Phosphorus, Polychlorinated dibenzofurans, Propylene, Selenium, Silica (crystalline, respirable), Sodium hydroxide, Toluene, 1,1,1-TCA, 1,2,4-Trimethylbenzene, Vanadium, Vinyl chloride, Xylenes, Zinc, Zinc oxide, Any other listed substances</u>
<u>Petroleum & Coal Products (SIC 29xx)</u>	<u>Miscellaneous (SIC 29xx, 2999)</u>	-	<u>Chromium, Cobalt, Creosotes, Gasoline vapors, Molybdenum trioxide, Naphtha (coal tar), PAHs and PAH-related compounds, Naphthalene, Pentachloroethane, Perchloroethylene, Sulfur dioxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
Petroleum & Coal Products (SIC 29xx)	Asphalt Felts & Coatings (SIC 2952)	-	Carbon tetrachloride, 1,2-Dichlorobenzene , Chromium, Dibenzofurans , Diethylenetriamine , Ethylene glycol , Formaldehyde, 2-Methylaziridine , 1-Methylnaphthalene , Methylnaphthalene (mixed) , Mineral fibers (asbestos and related), PAHs and PAH-related compounds, POM
Petroleum & Coal Products (SIC 29xx)	Lubricating Oils & Greases (SIC 2992)	-	Adipic acid , Benzene, Bis(2-chloroethyl) ether , Bromobenzene , Calcium oxide, Carbazole , Chlorinated diphenyl oxide , 1,2-Dichlorobenzene , 2-Chloronaphthalene , p-Cresol , Decahydronaphthalene , N-Nitrosodiethylamine , Dibenzofurans , Dibutyl phenyl phosphate , Dibutyl phosphate , 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 , MIBK , 4,4'-Methylenedianiline (and dichloride) , Methylstyrene , Mineral fibers (asbestos and related), Nitrobenzene , Pentachloronaphthalene , Perfluoro and polyfluoro compounds , PFOA , 2-Phenylphenol , Tri-n-butyl phosphate , Triorthocresyl phosphate , Triphenyl phosphate , Phthalates , Phthalonitrile , Propylene oxide , Sodium chlorite , Succinic anhydride , Toluene, 1,1,1-TCA, TCE, Tricresyl phosphate , 2,2,4-Trimethylpentane , Xylenes, o-Xylene , Zinc oxide
Petroleum & Coal Products (SIC 29xx)	Paving & Roofing Materials (SIC 295x)	-	Mica , Mineral fibers (asbestos and related)
Petroleum & Coal Products (SIC 29xx)	Paving & Roofing Materials (SIC 295x)	Paving Mixtures & Blocks (SIC 2951)	Ammonia, Benzene, Chloroform, Chromium, Formaldehyde, Isocyanates , Methyl isocyanate, Mercury, Mineral fibers (asbestos and related), PAHs and PAH-related compounds, Benzo[a]pyrene, Phthalates , POM, Toluene, 1,1,1-TCA
Petroleum & Coal Products (SIC 29xx)	Petroleum Refineries (SIC 2911)	-	Ammonium nitrate , Beryllium , Boron trichloride , Bromine pentafluoride , 4-Chlorophenol , Chromium (III) Sulfate , Cobalt sulfide , Creosotes , Cyclosiloxanes , D4 , N-Nitrosodiethylamine , N-Nitrosodimethylamine , Dimethyl disulfide , 1,4-Dioxane , Ethyl benzene , Ethyleneimine , Ferrocene , Hydrogen fluoride , MHF , Furfural , Diethylene glycol , Heptane , Hexamethylphosphoramide , Hexane , Hydrazine , Hydrogen peroxide (>5%) , Iron pentacarbonyl , Isobutylene , Lead , Magnesium oxide , Manganese cyclopentadienyl tricarbonyl , Methylamine , 2-Methylaziridine , 2-Methylcyclopentadienyl manganese tricarbonyl , N-Methylpyrrolidone , Naphtha (coal tar) , 1-Nitronaphthalene , 2-Nitropropane , Oxygen difluoride , Pentaborane , p-Phenylenediamine , Propionitrile , Propylene glycol dinitrate , Thorium-232 and its decay products , 1,1,2,2-Tetrabromoethane , Tetraethyllead , Tetramethyllead , 4-t-Octylphenol

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Petroleum & Coal Products (SIC 29xx)	Petroleum Refineries	(1)Most Refinery Operations. Gaseous, aerosol, particulate releases including but not limited to: From: boiler, catalytic cracker, flare, incinerator, process heater	Acetaldehyde, Ammonia, Arsenic, Benzene, Beryllium, Biphenyl , Boron trifluoride complexes , Cadmium, Carbon disulfide, Chlorine, Chromium, Chromium hexavalent , Sodium dichromate , Cresol, Cumene , Hydrogen cyanide , Diethanolamine , Dimethyl sulfate, Dimethylamine , 1,2-Diphenylhydrazine , EDB, EDC, ETO , Formaldehyde, Gasoline vapors, Hydrogen chloride, Hydrogen sulfide, Isopropyl alcohol , Lead, Maleic anhydride, Mercury, Nickel, Oleum , PAHs and PAH-related compounds, Benzo[a]pyrene, Naphthalene, Phenol, POM, Sulfuric acid , Toluene, Xylenes, Zinc, Zinc oxide
Petroleum & Coal Products (SIC 29xx)	Petroleum Refineries	(2)Crude Separation Gas Production. In addition to item (1): absorber, distillation/fractionation	Ammonia, Chlorides, Cobalt , Cresols, EDC, Maleic anhydride, Michler's ketone, PAHs and PAH-related compounds, Phenols, POM, Sulfur compounds, Zinc
Petroleum & Coal Products (SIC 29xx)	Petroleum Refineries	(3)Light Hydrocarbon Processing. In addition to item (1): catalyst regeneration	Nickel carbonyl
Petroleum & Coal Products (SIC 29xx)	Petroleum Refineries	(4)Middle and Heavy Distillate Process. In addition to items (1) and (2): evaporation, stripper	Acetaldehyde, Ammonia, Carbon black extracts , Cobalt , Copper, Cresols, Formaldehyde, Maleic anhydride, 2-Methylaziridine , Michler's ketone, Nickel, PAHs and PAH-related compounds, Phenols, POM, Shale oils , Sulfur compounds, Xylenes, Zinc, Any other listed Aromatic amine
Petroleum & Coal Products (SIC 29xx)	Petroleum Refineries	(5)Residual Hydrocarbon Processing. In addition to items (1) and (2): visbreaker furnace, process vent, stripper	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
Petroleum & Coal Products (SIC 29xx)	Also see Combustion, Liquid Storage & Transfer, and Other Processes, Appendix C-I; Chemical Manufacturing, and Oil & Gas Extraction, Appendix C-II	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
Pharmaceutical Industries - see Chemical Manufacturing, Drugs, Appendix C-II	-	-	<u>Arsenic trioxide</u>
Photocopying & Blueprinting (SIC 7334)	-	-	<u>Ammonia, Ammonium chloride, Benzenesulfonic acid, n-Butyl alcohol</u>
Photographic Chemicals Manufacturing - see Chemical Manufacturing, Appendix C-II	-	-	-
Photographic Studios (SIC 7335)	-	-	<u>Ammonia, Ammonium chloride, n-Butyl alcohol, Cadmium chloride, Chromium hexavalent, Chromium trioxide, Chromium (III) Sulfate, Hydrogen cyanide, Di(2-ethylhexyl) phthalate, 1,1-Dimethylhydrazine, 2,4-Dinitrophenol, EDC, Hydrochloric acid, Mercuric chloride, Methylamine, Uranium and compounds</u>
Photofinishing Labs (SIC 7384)	-	-	<u>Benzenesulfonic acid, n-Butyl alcohol, Cadmium chloride, Chromium hexavalent, Chromium trioxide, Chromium (III) Sulfate, Cresols, 2,4-Dinitrophenol, EDC, Hydroquinone, Mercuric chloride, Methylamine, Methylene chloride, 1,1,1-TCA, Uranium and compounds, Vanadium pentoxide</u>
Pipelines - see Other Processes and Liquid Storage & Transfer, Appendix C-I	-	-	-
Plastic & Synthetics Manufacturing - see Chemical Manufacturing, Appendix C-II	-	-	-
Plastic Products Manufacturing (SIC 30xx)	<u>Plastics Forming (SIC 3089)</u>	-	<u>Carbon black, Cyclohexanol, Isocyanates, 2-Mercaptobenzothiazole, Methyl ethyl ketone peroxide, Novolac resins, Oxybenzone, Tetraethylene glycol, Tributyltin methacrylate, 1,1,1-TCA</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
Plastic Products Manufacturing (SIC 30xx)	Also see Rubber & Misc Plastics Products, Appendix C-II	-	-
Printing & Publishing (SIC 27xx)	-	-	<u>Ammonium chloride, Bisphenol-related chemicals, Cobalt octoate, 1,4-Dioxane, Glycol ethers and their acetates, Iodoform, Isocyanates, Methylene chloride</u>
Printing & Publishing (SIC 27xx)	Miscellaneous (SIC 27xx, 2741)	-	<u>Arsenic pentoxide, 2,4-Dichlorophenol, Isocyanates, Toluene, TCE, p-Xylene, Zinc oxide</u>
Printing & Publishing (SIC 27xx)	Blankbooks & Bookbinding (SIC 278x)	Blankbooks & Loose leaf Binders (SIC 2782)	Ammonia, Toluene, 1,1,1-TCA, TCE
Printing & Publishing (SIC 27xx)	Blankbooks & Bookbinding (SIC 278x)	Bookbinding etc (SIC 2789)	Toluene
Printing & Publishing (SIC 27xx)	Books (SIC 273x)	Printing (SIC 2732)	<u>Ammonium chloride, Glycol ethers and their acetates, Lead, 1,1,1-TCA</u>
Printing & Publishing (SIC 27xx)	Books (SIC 273x)	Publishing (SIC 2731)	Arsenic, Lead
Printing & Publishing (SIC 27xx)	Newspapers (SIC 2711)	-	TCE
Printing & Publishing (SIC 27xx)	Printing (Commercial) (SIC 275x)	-	<u>1,4-Dioxane, Glycol ethers and their acetates, Isocyanates, n-Propyl alcohol, Toluene, 1,1,1-TCA</u>
Printing & Publishing (SIC 27xx)	Printing (Commercial) (SIC 275x)	Engraving & Plate (SIC 2759)	Benzene, <u>n-Propyl alcohol</u>
Printing & Publishing (SIC 27xx)	Printing (Commercial) (SIC 275x)	Gravure (SIC 2754)	Ammonia, Benzene, Cadmium, Formaldehyde, Gasoline vapors, Methylene chloride, Nickel, Perchloroethylene, Toluene, 1,1,1-TCA, TCE, Xylenes
Printing & Publishing (SIC 27xx)	Printing (Commercial) (SIC 275x)	Letterpress (SIC 2759)	Ammonia, Benzene, Chromium, Methylene chloride, <u>PAHs and PAH-related compounds</u> , Naphthalene, Perchloroethylene, Toluene, TCE
Printing & Publishing (SIC 27xx)	Printing (Commercial) (SIC 275x)	Lithographic (SIC 2752)	Ammonia, <u>Barium, Barium sulfate</u> , Benzene, <u>Glycol ethers and their acetates, Tetramethyl succinonitrile</u> , Toluene, TCE
Printing & Publishing (SIC 27xx)	Printing Trade Services (SIC 279x)	Typesetting (SIC 2791)	Ammonia
Printing & Publishing (SIC 27xx)	Printing Trade Services (SIC 279x)	Electrotyping & Stereotyping (SIC 2796)	<u>4-Amino-2-nitrophenol, Barium, Barium sulfate, Cadmium chloride, Lead</u>
Printing & Publishing (SIC 27xx)	Publishing (Misc) (SIC 2741)	-	Toluene
Printing & Publishing (SIC 27xx)	Combustion Processes - see Combustion, Appendix C-I	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Printing & Publishing (SIC 27xx)</u>	<u>Ink Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Printing & Publishing (SIC 27xx)</u>	<u>Printing - see Solvent Use, Appendix C-I</u>	-	-
<u>Printing & 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>Miscellaneous</u>	-	<u>Acrylonitrile, Benzene, Bromate, Bromochloroacetic acid, Calcium oxide, Carbon nanotubes, Carbon tetrachloride, Chlorine, Chlorobenzene, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone, Chloroform, 1,4-Dichloro-2-nitrobenzene, EDC, Fluorocarbons, CFC-113, Hydrogen sulfide, Methylene chloride, Nickel compounds, Perchloroethylene, Perfluoro and polyfluoro compounds, Succinic anhydride, Toluene, 1,1,1-TCA, TCE, Vinyl chloride, Vinylidene chloride, Xylenes, Any other listed substances</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Publicly Owned Treatment Works (POTWs) (SIC 4952)	Any/all operations, especially Raw Sewage Offgases, Combustion from exhaust gases of digester gas burning engines modified to lower NOx emissions, Sludge Composting, Sawdust used as bulking agent (sawdust from lumber obtained at structural demolition projects), Sludge Dewatering, Sludge Treatment, Chlorinator Discharge, Digesters, Headworks	-	Acrolein, Ammonia, 1,3-Butadiene, Carbon tetrachloride, Chlorine , Chlorobenzene, 1,4-Dichlorobenzene, 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone , Chloroform, Dimethylamine, EDC, Mineral fibers (asbestos and related), Perfluoro and polyfluoro compounds
Publicly Owned Treatment Works (POTWs) (SIC 4952)	Aeration Tanks - see Liquid Storage & Transfer, Appendix C-I	-	-
Publicly Owned Treatment Works (POTWs) (SIC 4952)	Sludge Incinerators - see Combustion, Appendix C-I	-	-
Publicly Owned Treatment Works (POTWs) (SIC 4952)	Water Treatment - see Other Processes, Appendix C-I	-	-
Pulp Mills - see Paper & Allied Products Manufacturing, Appendix C-II	-	-	-
Quarries (SIC 14xx)	Particulate-phase substances including but not limited to:	-	Arsenic, Mineral fibers (asbestos and related), Silica

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Railroad Equipment Manufacturing - see Transportation Equip. Appendix C-II</u>	-	-	-
<u>Refractory Production (SIC 3255, 3297)</u>	-	-	<u>Chromium</u>
<u>Research & Development Labs (SIC 873x)</u>	-	-	<u>Acetic acid, 2-Acetylaminofluorene, 4-Aminobiphenyl, 2-Aminofluorene, Ammonia, Bromochloroacetic acid, Bromodichloromethane, Cadmium, Chloride, Chromium, Copper, 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, Lead, Malonaldehyde, Manganese, Mercury, 9-Methylanthracene, 3-Methylcholanthrene, MOCA, Methylene chloride, 1-Naphthylthiourea, Nickel, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, PAHs and PAH-related compounds, Perchloroethylene, Phosgene, Phthalic acid, Phthalic anhydride, Radionuclides, Iodine-131, Radon and decay products, Styrene and copolymers, Subtilisins, delta-9-THC, Toluene, 2,4,6-Trichloroaniline, 1,1,1-TCA, TCE, Zinc, Zinc oxide</u>
<u>Research & Development Labs (SIC 873x)</u>	<u>Commercial Testing Labs (SIC 8734)</u>	-	<u>Cadmium chloride, Diphenylamine, Environmental tobacco smoke, Epichlorohydrin, Fluorocarbons (Chlorinated), Hydrochloric acid, Hydrogen sulfide, Lead subacetate</u>
<u>Research & Development Labs (SIC 873x)</u>	<u>Chemical Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Research & Development Labs (SIC 873x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Research & Development Labs (SIC 873x)</u>	<u>Other Processes - see Other Processes, Appendix C-I</u>	-	-
<u>Research & Development Labs (SIC 873x)</u>	<u>Solvents - see Solvent Use, Appendix C-I</u>	-	-
<u>Research & Development Labs (SIC 873x)</u>	<u>Storage and Handling - see Liquid Storage & Transfer, Appendix C-I</u>	-	-
<u>Roadway Surfacing (SIC 1611)</u>	-	-	<u>Benzene, Coal tar, Mineral fibers (asbestos and related)</u>
<u>Rubber Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-	-
<u>Rubber & Misc Plastics Products (SIC 30xx)</u>	-	-	<u>Acetaldehyde, Acrolein, Acrylonitrile, Ammonia, Antimony trioxide, Arsenic, Benzene, Bis(2,3-epoxycyclopentyl) ether, 1,3-Butadiene, t-Butyl acetate, Cadmium, Carbon black extracts, Carbon tetrachloride, Chlorine, Chromium hexavalent, Copper, Decaborane, Diesel engine PM, Di(2-ethylhexyl) phthalate, 3,3'-Dimethoxybenzidine, 1,4-Dioxane, Epoxy resins, Ethyl cyanoacrylate, EDC, Flame retardants, Fluorocarbons (Chlorinated), Formaldehyde, Glycol ethers and their acetates, Propylene glycol monomethyl ether, Propylene glycol monomethyl ether acetate, Hydrochloric acid, Isocyanates, Toluene diisocyanates, Isopropyl alcohol, Lead, Lead phosphate, Manganese, Methanol, Methyl cyanoacrylate, Methyl ethyl ketone, MIBK, Methyl methacrylate, Methylene chloride, N-Methylpyrrolidone, Nickel, PAHs and PAH-related compounds, Naphthalene, PCBTF, Perchloroethylene, Phenol, Propylene oxide, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Styrene and copolymers, p-tert-Butyl toluene, Toluene, 1,1,1-TCA, TCE, Vinyl chloride, Zinc, Zinc oxide, Any other listed substances</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
<u>Rubber & Misc Plastics Products (SIC 30xx)</u>	<u>Fabricated Rubber Products (SIC 306x)</u>	-	<u>Aluminum diethyl phosphinate, Ammonia, Antimony, Barium sulfate, Benzene, p-Benzoquinone dioxime, Carbazole, Carbon black, Chlorine, Chromium hexavalent, Lead chromate, Cyclohexanone, ETO, Ethylidene dichloride, Formaldehyde, Hexachlorobenzene, Hexamethylenetetramine, Hydrogen chloride, Hydroquinone, Isobutylene, Toluene diisocyanates, Lead, Methyl chloride, Methylene chloride, Mica, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Pyridine, Styrene and copolymers, Titanium dioxide, Toluene, 1,1,1-TCA, Tricresyl phosphate, Vanadium, Vinyl chloride, Wollastonite, Zinc, Zinc oxide</u>
<u>Rubber & Misc Plastics Products (SIC 30xx)</u>	<u>Plastics Products, Misc (SIC 308x)</u>	-	<u>Acetaldehyde, Acrolein, Acrylonitrile, Adipic acid, Aluminum diethyl phosphinate, Ammonia, Aniline, Benzene, Benzyl chloride, Beryllium, Bisphenol-related chemicals, tert-Butyl alcohol, Cadmium, Carbon nanotubes, Chloral, Chlorine, Chromium hexavalent, Lead chromate, Cobalt, Cumene hydroperoxide, N-Nitrosodiethylamine, 2,4-Diaminotoluene, 1,2-Dichloroethylene (cis, trans), Epoxy resins, Ethylene, EDC, ETO, Ethylidene dichloride, CFC-113, Formaldehyde, Gasoline vapors, 2,4-Hexadienal, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Toluene diisocyanates, Lead, Mercury, Methyl acrylate, Methyl methacrylate, Methylene chloride, 4,4'-Methylenedianiline (and dichloride), Methylstyrene, Mineral fibers (asbestos and related), 4-Nitrobiphenyl, N,N-Dimethylacetamide, PAHs and PAH-related compounds, Naphthalene, Paraformaldehyde, PBBs, PCBTF, Ammonium perfluorooctanoate, Phenol, Phenyl ether-biphenyl mixture (vapor), Tri-n-butyl phosphate, Phthalates, Phthalic anhydride, Propylene, Special-purpose fibers, Styrene and copolymers, Acrylonitrile-butadiene-styrene copolymers, Sulfuric acid, Tetraethylene glycol, Titanium dioxide, Toluene, 1,1,1-TCA, TCE, Trimethyl phosphite, Vinyl chloride, Vinyl chloride-vinyl acetate copolymers, Vinylidene chloride, Vinylidene chloride-vinyl chloride copolymers, Wollastonite, Zinc oxide</u>
<u>Rubber & Misc Plastics Products (SIC 30xx)</u>	<u>Reclaimed Rubber (SIC 3069)</u>	-	<u>Benzene, Cadmium, Chromium hexavalent, Lead chromate, 1,2-Diphenylhydrazine, Lead, 2-Nitropropane, Oxybenzone, PAHs and PAH-related compounds, Naphthalene, Styrene and copolymers, Toluene</u>
<u>Rubber & Misc Plastics Products (SIC 30xx)</u>	<u>Rubber & Plastic Footwear (SIC 3021)</u>	-	<u>Nonylphenol ethoxylates, PAHs and PAH-related compounds, Naphthalene, Phthalates, Toluene, 1,1,1-TCA</u>
<u>Rubber & Misc Plastics Products (SIC 30xx)</u>	<u>Rubber & Plastic Hose/Belting (SIC 3052)</u>	-	<u>Carbon black, Perchloroethylene, Phthalates, Toluene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Rubber & Misc Plastics Products (SIC 30xx)	Tires & Inner Tubes (SIC 3011)	-	<u>Ammonia, p-Aramid fibrils, Benzene, Carbon black, Cobalt octoate, Formaldehyde, Hexane, Isoprene, Methanol, Methylene chloride, Octylphenol, Silica (crystalline, respirable), Styrene and copolymers, Toluene, 1,1,1-TCA, Zinc oxide</u>
Rubber & Misc Plastics Products (SIC 30xx)	Rubber Manufacturing - see Chemical Manufacturing, Appendix C-II	-	-
Rubber & Misc Plastics Products (SIC 30xx)	Surface Coating - see Solvent Use, Appendix C-I	-	-
Rubber Cement Application/Manufacture (SIC 2891)	-	-	<u>Bis(2,3-epoxycyclopentyl) ether, n-Butyl alcohol, tert-Butyl alcohol</u>
Rubber Cement Application/Manufacture (SIC 2891)	Application - see Solvent Use, Appendix C-I	-	-
Rubber Cement Application/Manufacture (SIC 2891)	Manufacture - see Solvent Use, Appendix C-I and Chemical Manufacturing, Appendix C-II	-	-
Saw Mills - see Wood Product Manufacturing, Appendix C-II	-	-	-
Scrap and Waste Materials Recycling (SIC 5093)	-	-	<u>Arsenic, Benzene, Beryllium, Cadmium, Chromium hexavalent, Trichlorofluoromethane, Lead, Nickel, PCBs, 1,1,1-TCA</u>
Semiconductor Manufacturing - see Electronic Equipment Manufacturing, Integrated Circuits, Appendix C-II	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Service Establishment Equipment and Supplies (SIC 5087)</u>	-	-	<u>Isobutyl methacrylate, 4-Methoxyphenol</u>
<u>Sewage Plants - see Combustion (Incineration), Appendix C-I</u>	-	-	-
<u>Shingle & Siding Manufacturing (SIC 2952)</u>	-	-	<u>Mineral fibers (asbestos and related)</u>
<u>Shingle & Siding Manufacturing (SIC 2952)</u>	<u>Also see Plastics, Appendix C-II</u>	-	-
<u>Sign & Advertisement Display Manufacturing (SIC 3993)</u>	-	-	<u>Ammonia, Beryllium, Hydrogen chloride, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Toluene, 1,1,1-TCA, TCE, Zinc</u>
<u>Smelters - see Metal Smelters, Appendix C-II</u>	-	-	-
<u>Solvent Recycling (SIC 7389)</u>	-	-	<u>Benzene, Bis(2-ethylhexyl) adipate, sec-Butyl alcohol, tert-Butyl alcohol, Chlorinated organics, Cyclosiloxanes, D5, 1,1,1,2-Tetrachloroethane</u>
<u>Solvent Recycling (SIC 7389)</u>	<u>Also see Solvent Use, Appendix C-I</u>	-	-
<u>Space Research & Technology (SIC 9661)</u>	-	-	<u>Flame retardants</u>
<u>Space Research & Technology (SIC 9661)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Space Research & Technology (SIC 9661)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Space Research & Technology (SIC 9661)</u>	<u>Research - see Research & Development, Appendix C-II</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Space Research & Technology (SIC 9661)</u>	<u>Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Space Research & Technology (SIC 9661)</u>	<u>Vehicle Refueling - see Other Processes, Appendix C-I</u>	-	-
<u>Sporting & Athletic Goods Manufacturing - see Toy & Sporting Good Manufacturing, Sporting & Athletic Goods, Appendix C-II</u>	-	-	-
<u>Sporting & 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 & Stone Products, Appendix C-II</u>	-	-	-
<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>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Surgical & Medical Supplies Manufacturing (SIC 384x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Surgical & Medical Supplies Manufacturing (SIC 384x)</u>	<u>Degreasing - see Solvent Use, Appendix C-I</u>	-	-
<u>Surgical & Medical Supplies Manufacturing (SIC 384x)</u>	<u>Instruments - see Instrument Manufacturing, Appendix C-II</u>	-	-
<u>Surgical & Medical Supplies Manufacturing (SIC 384x)</u>	<u>Other Processes - see Other Processes, Appendix C-I</u>	-	-
<u>Surgical & Medical Supplies Manufacturing (SIC 384x)</u>	<u>Pharmaceuticals Manufacturing - see Chemical Manufacturing, Appendix C-II</u>	-	-
<u>Surgical & Medical Supplies Manufacturing (SIC 384x)</u>	<u>Sterilization - see Sterilizers, Appendix C-I</u>	-	-
<u>Surgical & Medical Supplies Manufacturing (SIC 384x)</u>	<u>Surface Coating - see Solvent Use, Appendix C-1</u>	-	-
<u>TSDFs - see Transfer, Storage, & Disposal Facilities, Appendix C-II</u>	-	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes)</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	-	-	<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>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Miscellaneous (SIC 22xx, 2299, 23xx, 2399)	-	Benzene, Benzidine, <u>Benzidine and its salts, Bis(2-chloroethyl) ether, Bis(chloromethyl) ether, Carbon nanotubes, Chlorine dioxide, 1,4-Dichlorobenzene, Cyclohexanol, 2,4-Diaminoanisole, Dichloroethane, Dimethyl methylphosphonate, Dioxane, Ethylene glycol, ETO, Ethylenediamine, Ethyleneimine, Formaldehyde, Glutaraldehyde, Hydrazine, Hydrochloric acid, Hydrogen peroxide (>5%), Methyl bromide, Mineral fibers (asbestos and related), Nitrilotriacetic acid, Nonylphenol ethoxylates, PBBs, Perchloroethylene, Permethrin, Phenol, Special-purpose fibers, Terephthalic acid, Tetrakis(hydroxymethyl)phosphonium sulfate, TCE, Urea-formaldehyde, Vinyl acetate, Zinc oxide</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Apparel/Other Textile Products (SIC 23xx)	-	<u>Ammonia, Arsenic, Chlorine, Di-n-propyl isocinchomeronate, EDC, Toluene, 1,1,1-TCA</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Apparel/Other Textile Products (SIC 23xx)	Fur Goods (SIC 2371)	<u>Ammonia, 2,4-Diaminoanisole, Perchloroethylene</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Apparel/Other Textile Products (SIC 23xx)	Apparel Belts (SIC 2387)	<u>Ammonia, Cadmium, Copper, Toluene, Zinc</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Apparel/Other Textile Products (SIC 23xx)	House Furnishings (SIC 2391, 2392)	<u>Flame retardants, Mineral fibers (asbestos and related), PAHs and PAH-related compounds, Naphthalene, Toluene</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Apparel/Other Textile Products (SIC 23xx)	Auto/Apparel Trimmings (SIC 2396)	<u>Ammonia, Arsenic, Benzene, Triphenyl phosphate, Toluene, Vinyl chloride</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Floor Covering Mills (SIC 2273)	Miscellaneous	<u>Arsenic, Flame retardants, Perfluoro and polyfluoro compounds</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Floor Covering Mills (SIC 2273)	Woven Carpets & Rugs	<u>Arsenic, EDC, Flame retardants, Perfluoro and polyfluoro compounds</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Floor Covering Mills (SIC 2273)	Tufted Carpets & Rugs	Benzene, EDC, Flame retardants, Formaldehyde, Perfluoro and polyfluoro compounds
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Knitting Mills (SIC 225x)	-	Benzene, Benzidine, Benzidine and its salts
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Knitting Mills (SIC 225x)	Hosiery (SIC 2251, 2252)	Acrylonitrile, Benzene
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Knitting Mills (SIC 225x)	Knit Outerwear Mills (SIC 2253)	Ammonia, Arsenic, Benzene, Perchloroethylene
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Narrow Fabric Mills (SIC 2241)	-	Benzene, 1,4-Dioxane, Mineral fibers, Mineral fibers (asbestos and related), Uranium and compounds
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Nonwoven Industry (SIC 2297)	-	Bis(chloromethyl) ether
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Textile Finishing (SIC 2231, 226x)	Miscellaneous (SIC 2269)	Acrylonitrile, Benzene, Benzidine, Bis(chloromethyl) ether, 1,3-Butadiene, Cyclohexanol, Diethyl sulfate, Diglycidyl ether, Flame retardants, Formaldehyde, Glyoxal, Hexafluoroacetone, Hydrazine, Hydrogen peroxide (>5%), Methyl acrylate, N-Methylpyrrolidone, PBBs, Perchloroethylene, Phosphorus trichloride, n-Propyl carbamate, Sodium chlorite, Tetrahydrobenzaldehyde, Tetramethylethylenediamine, Thiourea, Toluene, Uranium and compounds, Vinyl chloride, Vinylidene chloride, Xylenes
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Textile Finishing (SIC 2231, 226x)	Finish Plants, Cotton (SIC 2261)	Acrylonitrile, Benzene, 1,4-Dichlorobenzene, Chromium, Dimethyl glutarate, Methyl acrylate, n-Propyl carbamate, Sodium chlorite, Sodium hydroxide, Toluene
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Textile Finishing (SIC 2231, 226x)	Finish Plants, Synthetic (SIC 2262)	Benzene, Copper, 1,4-Dioxane, Formaldehyde, Hydrazine, Methyl acrylate, Perchloroethylene, n-Propyl carbamate, Sodium chlorite, Xylenes
Textile Mill Products Manufacturing (SIC 22xx, 23xx)	Weaving Mills (SIC 221x-224x)	Cotton (SIC 2211)	Acrylic acid, Acrylonitrile, Benzene, 1,4-Dioxane, EDC, Toluene, Urea-formaldehyde

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Weaving Mills (SIC 221x-224x)</u>	<u>Synthetics (SIC 2221)</u>	<u>Acrylonitrile, Benzene, Chloroform, 1,4-Dioxane, EDC, Formaldehyde, Toluene diisocyanates, Mineral fibers, Mineral fibers (asbestos and related), Perchloroethylene, Styrene and copolymers</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Weaving Mills (SIC 221x-224x)</u>	<u>Wool (SIC 2231)</u>	<u>Benzene, 1,4-Dioxane, Formaldehyde, Perchloroethylene</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Woven Fabric Finishing (SIC 2231, 226x)</u>	-	<u>Benzofuran, 1,4-Dichlorobenzene</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Yarn & 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 & Thread Mills (SIC 228x)</u>	<u>Throwing & Winding (SIC 2282)</u>	<u>Ammonia, Toluene diisocyanates, Lead</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Yarn & Thread Mills (SIC 228x)</u>	<u>Wool Yarn Mills (SIC 2281)</u>	<u>Arsenic</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>	<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 salts, Toluene, Tris(2-methyl-1-aziridinyl)phosphine oxide, Xylenes</u>
<u>Textile Mill Products Manufacturing (SIC 22xx, 23xx)</u>	<u>Misc Textile Goods (SIC 229x, 2231)</u>	<u>Cordage & Twine (SIC 2298)</u>	<u>Mineral fibers (asbestos and related), 1,1,1-TCA</u>
<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 & Upholstery Filling (SIC 2299, 2392)</u>	<u>Benzene, Flame retardants, Mineral fibers (asbestos and related), PBBs, Triphenyl phosphate, Tetrakis(hydroxymethyl)phosphonium chloride, Trimellitic anhydride, Vinyl chloride</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<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 & Fabric (SIC 2296)</u>	<u>Ammonia, Benzene, Benzofuran, Formaldehyde, Mineral fibers (asbestos and related), Perchloroethylene, Terephthalic acid</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>Anthracene oil or paste, Environmental tobacco smoke, Ethylene, Ethylene glycol, Formaldehyde, Diethylene glycol, 7H-Dibenzo[c,g]carbazole, Methyl ethyl ketone, PAHs and PAH-related compounds PAH/PAH-derivatives/POM from combustion</u>
<u>Tobacco Manufacturing (SIC 21xx)</u>	<u>Cigarette Manufacturing (SIC 2111)</u>	-	<u>Benzaldehyde, Benzene, Chloroform, Formaldehyde, Methylene chloride, 1-Methylnaphthalene, Methylnaphthalene (mixed), Perchloroethylene, Phthalic anhydride, delta-9-THC, Toluene</u>
<u>Tobacco Manufacturing (SIC 21xx)</u>	<u>Tobacco Stemming & Redrying (SIC 2141)</u>	-	<u>Benzene</u>
<u>Toy & Sporting Good Manufacturing (SIC 394x)</u>	-	-	<u>Flame retardants, Isocyanates, 2-Mercaptobenzothiazole</u>
<u>Toy & Sporting Good Manufacturing (SIC 394x)</u>	<u>Dolls (SIC 3942)</u>	-	<u>Acrylonitrile, Toluene</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Toy & Sporting Good Manufacturing (SIC 394x)</u>	<u>Games, Toys, & Children's Vehicles (SIC 3944)</u>	-	<u>Triclosan, Ethylene, Nonylphenol ethoxylates, Phthalates, Styrene and copolymers, Acrylonitrile-butadiene-styrene copolymers, Toluene</u>
<u>Toy & Sporting Good Manufacturing (SIC 394x)</u>	<u>Sporting & Athletic Goods (SIC 3949)</u>	-	<u>Carbon nanotubes, Ethyl cyanoacrylate, Flame retardants, Manganese, Methyl cyanoacrylate, Methylene chloride, Perchloroethylene, Special-purpose fibers, Styrene and copolymers, Acrylonitrile-butadiene-styrene copolymers, Toluene, 1,1,1-TCA</u>
<u>Toy & Sporting Good Manufacturing (SIC 394x)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Toy & Sporting Good Manufacturing (SIC 394x)</u>	<u>Degreasing/Surface Coating - see Solvent Use and Other Processes, Appendix C-I</u>	-	-
<u>Toy & Sporting Good Manufacturing (SIC 394x)</u>	<u>Labeling/Packaging - see Printing and Paper Products, Appendix C-II</u>	-	-
<u>Toy & 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, & Disposal Facilities (TSDFs) (SIC 4953)</u>	<u>Combustion Processes - see Combustion, Appendix C-I</u>	-	-
<u>Transfer, Storage, & Disposal Facilities (TSDFs) (SIC 4953)</u>	<u>Other Processes - see Other Processes, Appendix C-I</u>	-	-
<u>Transfer, Storage, & Disposal Facilities (TSDFs) (SIC 4953)</u>	<u>Solvent Recycling - see Solvent Use, Appendix C-I</u>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40/Notes)</u>
<u>Transfer, Storage, & Disposal Facilities (TSDFs) (SIC 4953)</u>	<u>Storage - see Liquid Storage & Transfer, Appendix C-I</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 75xx, 753x, 7699)</u>	-	-	<u>Acetaldehyde, Acrolein, Acrylonitrile, Allyl chloride, Aluminum, Ammonia, Arsenic, Barium, Benzene, Beryllium, Beryllium oxide, Bromine, 1,3-Butadiene, t-Butyl acetate, n-Butyl alcohol, sec-Butyl alcohol, Cadmium, Carbon black extracts, Carbon nanotubes, Carbon tetrachloride, Chlorine, Chloroform, Chromium, Chromium hexavalent, Barium chromate, Lead chromate, Strontium chromate, Copper, Cumene hydroperoxide, 1,2-Dichloropropane, Diesel engine PM, Di(2-ethylhexyl) phthalate, 7,12-Dimethylbenz[alanthracene, 1,4-Dioxane, Epichlorohydrin, Epoxy resins, Ethyl benzene, Ethyl methacrylate, EDC, Flame retardants, Fluorides and compounds, Hydrogen fluoride, Fluorocarbons (Chlorinated), Formaldehyde, Gasoline vapors, Glycol ethers and their acetates, Hexane, Hydrazine, Hydrochloric acid, Hydrogen chloride, Isocyanates, Toluene diisocyanates, Isopropyl alcohol, Lead, Lead compounds (inorganic), Manganese, Mercury, Methanol, Methyl ethyl ketone, MIBK, Methyl methacrylate, Methylene chloride, 4,4'-Methylenedianiline (and dichloride), Asbestos, Nickel, Nitric acid, PAHs and PAH-related compounds, Naphthalene, Perchloroethylene, Phosphorus, Phosphoric acid, Phthalic anhydride, Silica (crystalline, respirable), Sodium hydroxide, Styrene, Thiourea, Toluene, 1,1,1-TCA, TCE, 1,2,4-Trimethylbenzene, Vinyl chloride, Xylenes, Zinc, Zinc oxide, Any other listed substances</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto and Truck Manufacturing (SIC 371x, 379x)</u>	-	<u>Arsenic, Arsenic pentoxide, Beryllium oxide, t-Butyl acetate, Cadmium succinate, ETBE, Isocyanates, Zinc</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	-	<u>Barium, t-Butyl acetate, tert-Butyl alcohol, ETBE, Isocyanates, Methyl ethyl ketone peroxide, N-Methylpyrrolidone, PCBTF, Special-purpose fibers</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<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>	<u>Aluminum, Ammonia, Formaldehyde, Glycol ethers and their acetates, Methanol, Mineral fibers (asbestos and related), Acrylonitrile-butadiene-styrene copolymers, Tetraethylene glycol, Toluene, 1,1,1-TCA</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>Tire Retreading & Repair (SIC 7534)</u>	<u>Cobalt octoate, Isoprene, Toluene</u>
<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>	<u>Aluminum oxide, Arsenic pentoxide, Benzene, Bis(2-chloroethyl) ether, t-Butyl acetate, Cadmium succinate, Cobalt octoate, Isocyanates, Manganese, PAHs and PAH-related compounds, Naphthalene, PCBTF, Toluene, TCE, Xylenes, 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>Top & Body Repair Shops (SIC 7532)</u>	<u>t-Butyl acetate, Isocyanates, PAHs and PAH-related compounds, Naphthalene, Special-purpose fibers, Toluene</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Repair/Auto Body Repair (SIC 753x, 7699, 371x)</u>	<u>Motor Vehicles & Car Bodies (SIC 3711, 7532, 7699)</u>	<u>Aluminum, Ammonia, Bromobenzene, t-Butyl acetate, Cadmium, Chromium, Formaldehyde, Hydrogen chloride, Isocyanates, Lead, Methylene chloride, PBBs, PCBTF, Phenol, Phthalates, Special-purpose fibers, Acrylonitrile-butadiene-styrene copolymers, 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 & 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, Toluene diisocyanates, Lead, Manganese, Methylene chloride, Mineral fibers (asbestos and related), PAHs and PAH-related compounds, Naphthalene, Palladium, Perchloroethylene, Platinum, Propylene oxide, Rhodium, Sodium azide, Toluene, 1,1,1-TCA, TCE, Trimellitic anhydride, o-Xylene, Zinc, Zinc oxide</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</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 & Bus Bodies (SIC 7532, 7699)</u>	<u>Aluminum, t-Butyl acetate, Chromium, Methylene chloride, Nickel, Phthalates, Special-purpose fibers, Styrene and copolymers, Toluene</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Auto Parts Manufacturing (SIC 3714)</u>	-	<u>Arsenic, Bromobenzene, Isocyanates, 1,5-Naphthalene diisocyanate, Polychlorinated terphenyls</u>
<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 & Parts (SIC 372x)</u>	-	<u>Aluminum, Aluminum diethyl phosphinate, Ammonia, Bis(2-ethylhexyl) adipate, Bromoform, t-Butyl acetate, Chromium, Chromium hexavalent, Strontium chromate, Cobalt, Dibutyl phenyl phosphate, Hydrogen fluoride, Hydrogen chloride, Hydrogen sulfide, Isocyanates, Lead, Magnesium oxide, Methylene chloride, Nickel, Perchloroethylene, Tri-n-butyl phosphate, Polychlorinated terphenyls, Sodium azide, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, Uranium and compounds, Xylenes, Zinc, Zinc oxide</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Guided Missiles, Space Vehicles, & Parts (SIC 376x)</u>	-	<u>t-Butyl acetate, 1,1-Dimethylhydrazine, Isocyanates, Uranium and compounds</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Guided Missiles, Space Vehicles, & Parts (SIC 376x)</u>	<u>Guided Missiles & Space Vehicles (SIC 3761)</u>	<u>Beryllium oxide, Ferrocene, Formaldehyde, Hydrazine, Isocyanates, Perchloroethylene, Toluene, TCE, Xylenes</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Guided Missiles, Space Vehicles, & Parts (SIC 376x)</u>	<u>Space Propulsion Units & Parts (SIC 3764)</u>	<u>Carbon disulfide, Ferrocene, Hydrazine, Isocyanates, TCE</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Guided Missiles, Space Vehicles, & Parts (SIC 376x)</u>	<u>Space Vehicle Equipment (SIC 3769)</u>	<u>Ammonia, Ferrocene, Hydrazine, Hydrogen chloride, Isocyanates, Lead, Methylene chloride, Toluene</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Motorcycles, Bicycles & Parts (SIC 3751)</u>	-	<u>Decahydronaphthalene, Isocyanates, Toluene</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Railroad Equipment (SIC 3743)</u>	-	<u>Ammonia, Chromium, Hydrogen chloride, Isocyanates, Toluene diisocyanates, Methylene chloride, Nickel, Shale oils, Toluene, 1,1,1-TCA, Zinc</u>
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Ship & Boat Building & Repair (SIC 373x)</u>	-	<u>Bromoform, Chromium hexavalent, Strontium chromate, Flame retardants, Hydrazine, Isocyanates, Methylene chloride, Mineral fibers (asbestos and related), PCBs, Phenol, Special-purpose fibers, Styrene and copolymers, TCE, Uranium and compounds</u>
<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>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</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 & Development, Appendix C-II</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Space Transport - see Space Research & Technology, Appendix C-II</u>	-	-
<u>Transportation Equipment Manufacturing/Repair (SIC 37xx, 753x, 7699)</u>	<u>Storage & Handling - see Liquid Storage & 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>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</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>	-	-	<u>Isocyanates</u>
<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>	<u>Airports & Flying Fields (SIC 4581)</u>	-	<u>Benzene, Dioxins, Glycol ethers and their acetates, Isocyanates, PAHs and PAH-related compounds, Polychlorinated dibenzofurans, POM, Radionuclides, Toluene</u>
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Inspection & Weighing (SIC 4785)</u>	-	<u>Benzene, Dioxins, PAHs and PAH-related compounds, Polychlorinated dibenzofurans, POM, Radionuclides, Toluene</u>
<u>Transportation Ports/Stations (SIC 4491, 4581, 4785)</u>	<u>Marine Cargo Handling (SIC 4491)</u>	-	<u>p-Aramid fibrils, Cadmium, EDC, Isocyanates, Toluene diisocyanates, Lead, Methylene chloride, Perchloroethylene, Toluene, 1,1,1-TCA, TCE, Xylenes</u>
<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>	-	-

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
<u>Truck Manufacturing - see Transportation Equipment, Appendix C-II</u>	-	-	-
<u>Universities - see Colleges, Appendix C-II</u>	-	-	-
<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>	-	-	-
<u>Wood Preservation (SIC 2491)</u>	<u>Cellon Process, Chromated Copper Arsenate Process, Dricon Process, Diluent/Creosote Process, Miscellaneous</u>	<u>Gaseous and aerosol releases from: wood preserving agents</u>	<u>Arsenic, Arsenic acid, Arsenic pentoxide, Arsenic trioxide, Benzene, Bis(tributyltin) oxide, tert-Butyl alcohol, Chlorinated diphenyl oxide, 1,2,4-Trichlorobenzene, Chloroform, 2-Chloronaphthalene, Chlorophenols, 2,4-Dichlorophenol, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol, 2,4,6-Trichlorophenol, Chlorothalonil, Chromium, Chromium hexavalent, Sodium dichromate, Copper, Creosotes, Cresols, Dibenzofuran, 2,4-Dinitrophenol, Dioxins, Hydrogen chloride, Mercuric chloride, 4-Nitrobiphenyl, PAHs and PAH-related compounds, Benzo[b]fluoranthene, Naphthalene, Pentachloronaphthalene, Permethrin, Phenol, 2-Phenylphenol, Polychlorinated dibenzofurans, Shale oils, Sodium fluoride, Tetrakis(hydroxymethyl)phosphonium sulfate, Toluene, Vinclozolin, Zinc, Zinc oxide</u>
<u>Wood Preservation (SIC 2491)</u>	<u>Oil/Penta Process</u>	<u>Vapor drying agents</u>	<u>various solvents</u>
<u>Wood Preservation (SIC 2491)</u>	<u>Oil/Penta Process</u>	<u>Preserving carriers</u>	<u>various solvents</u>

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Wood Preservation (SIC 2491)	Oil/Penta Process	Fire retardants	Flame retardants , Formaldehyde, Zinc chloride
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)	-	-	Arsenic trioxide, Bis(tributyltin) oxide, Pentachlorophenol, Flame retardants, Isocyanates
Wood Products Manufacturing (SIC 24xx)	Miscellaneous (SIC 24xx, 2499)	-	Cresols, Dioxins, Formaldehyde, Methyl chloride, Paraformaldehyde, Polychlorinated dibenzofurans, Sodium hydroxide, TCE, Uranium and compounds
Wood Products Manufacturing (SIC 24xx)	Fiberboard Manufacturing (SIC 2493)	-	Chloroform, Paraformaldehyde
Wood Products Manufacturing (SIC 24xx)	Lumber (SIC 242x)	-	Arsenic pentoxide, 2,4-Dichlorophenol, 2,3,4,6-Tetrachlorophenol , Cresols, Dioxins, Formaldehyde, Methyl chloride, Polychlorinated dibenzofurans, Toluene, TCE
Wood Products Manufacturing (SIC 24xx)	Millwork, Plywood, & Structural Members (SIC 243x)	-	Formaldehyde
Wood Products Manufacturing (SIC 24xx)	Millwork, Plywood, & Structural Members (SIC 243x)	Millwork (SIC 2431)	Carbon tetrachloride, Chlorophenols, Formaldehyde, Methylene chloride, Mineral fibers (asbestos and related), Toluene, Xylenes
Wood Products Manufacturing (SIC 24xx)	Millwork, Plywood, & Structural Members (SIC 243x)	Wood Kitchen Cabinets (SIC 2434)	Methylene chloride, PAHs and PAH-related compounds , Naphthalene, Styrene and copolymers, Toluene, 1,1,1-TCA, Xylenes
Wood Products Manufacturing (SIC 24xx)	Millwork, Plywood, & Structural Members (SIC 243x)	Hardwood Veneer/Plywood (SIC 2435)	Formaldehyde, Perchloroethylene

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40)Notes</u>
Wood Products Manufacturing (SIC 24xx)	Paper & Allied Products Manufacturing - see Paper & Allied Products Manufacturing, Appendix C-II	-	-
Wood Products Manufacturing (SIC 24xx)	Plywood Manufacturing (SIC 2435, 2436)	-	Cresols, Dioxins, Paraformaldehyde , Polychlorinated dibenzofurans
Wood Products Manufacturing (SIC 24xx)	Presswood & Laminated Wood Products Manufacturing	Phenol-formaldehyde resins	Bis(2,3-epoxycyclopentyl) ether , Formaldehyde, Paraformaldehyde , Phenol, Urea-formaldehyde
Wood Products Manufacturing (SIC 24xx)	Presswood & Laminated Wood Products Manufacturing	Melamine-formaldehyde resins	Bis(2,3-epoxycyclopentyl) ether , Formaldehyde, Paraformaldehyde , Urea-formaldehyde
Wood Products Manufacturing (SIC 24xx)	Presswood & Laminated Wood Products Manufacturing	Dispersion agent (during glue formulation)	Sodium hydroxide
Wood Products Manufacturing (SIC 24xx)	Presswood & Laminated Wood Products Manufacturing	Formaldehyde scavengers	Ammonia
Wood Products Manufacturing (SIC 24xx)	Sawmills & Planing Mills (SIC 242x)	-	Acetaldehyde, Formaldehyde, Lead, PAHs and PAH-related compounds, POM, Toluene
Wood Products Manufacturing (SIC 24xx)	Sawmills & Planing Mills (SIC 242x)	Hardwood Dimension & Flooring (SIC 2426)	Phthalates , Toluene
Wood Products Manufacturing (SIC 24xx)	Softwood Veneer Manufacturing (SIC 2436)	-	Cresols, Dioxins, Polychlorinated dibenzofurans

INFORMAL REVIEW DRAFT

APPENDIX C-II FURTHER RESPONSIBILITIES FOR SPECIFIC FACILITY CLASSES

<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 (see note 40Notes)</u>
Wood Products Manufacturing (SIC 24xx)	Wood Containers (SIC 244x)	-	Toluene
Wood Products Manufacturing (SIC 24xx)	Wood Furniture Manufacturing (SIC 25xx)	-	Ammonia, Cadmium, Copper, Formaldehyde, Toluene diisocyanates, Lead, Methylene chloride, PAHs and PAH-related compounds, Naphthalene, Styrene and copolymers, Toluene, 1,1,1-TCA, TCE, Xylenes
Wood Products Manufacturing (SIC 24xx)	Wood Furniture Manufacturing (SIC 25xx)	Wood Finishing	Chromium, Ethylene glycol , Methylene chloride, Nonylphenol ethoxylates , 1,1,1-TCA
Wood Products Manufacturing (SIC 24xx)	Combustion Processes - see Combustion, Appendix C-I	-	-
Wood Products Manufacturing (SIC 24xx)	Surface Coating - see Solvent Use and Other Processes, Appendix C-I	-	-
Wool Fabric Mills - see Textile Manufacturing	-	-	-
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.
All Other Industries	Particulate and aerosol releases from combustion, storage, handling, process vessels, etc	-	Check all materials manufactured for components that are on listed substances
All Other Industries	Process loss and fugitive releases anywhere along the process train	-	Check all materials manufactured for components that are on listed substances