

APPENDIX H

STACK EMISSIONS RISK ASSESSMENT: ACUTE INHALATION RISK RESULTS

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
A_1 max hourly impact point (stack)	
Arsenic	8.2E-02
Nitrogen dioxide	3.6E-02
Chlorine	8.9E-03
Sulfur dioxide	6.8E-03
Hydrogen chloride	4.0E-03
Beryllium	3.1E-03
Cadmium	1.3E-03
Lead	2.6E-04
Nickel	2.1E-04
Copper	1.5E-04
Mercury	3.9E-05
Mercuric chloride	9.7E-06
Hexachlorobenzene	8.7E-06
Chlorophenyl-phenylether, 4-	7.7E-06
Benzidine	5.2E-06
Dibromo-3-chloropropane, 1,2-	4.5E-06
Thallium (I)	3.8E-06
Chloroform (Trichloromethane)	2.9E-06
Vanadium	2.0E-06
Hexachlorocyclopentadiene	2.0E-06
Manganese	1.9E-06
4,6-Dinitro-2-methylphenol	1.1E-06
Silver	1.1E-06
Barium	7.5E-07
Zinc	6.3E-07
Pentachlorophenol	5.4E-07
Chromium	4.8E-07
Chromium, hexavalent	4.8E-07
Aluminum	4.8E-07
PentaCDF, 2,3,4,7,8-	3.3E-07
Selenium	3.2E-07
Tetrachloroethylene (Perchloroethylene)	2.9E-07
Nitrosodipropylamine, n-	2.5E-07
Fluoranthene	1.7E-07
Bromoform (tribromomethane)	1.4E-07
Antimony	1.3E-07
Benzoic Acid	1.2E-07
Dinitrotoluene, 2,4-	1.1E-07
Chlorobenzene	1.1E-07
Benzene	1.0E-07
Ethylhexyl phthalate, bis-2-	9.4E-08
Dibromochloromethane	9.4E-08
Dinitrotoluene, 2,6-	9.2E-08
Bromodichloromethane	7.1E-08
Methylene chloride	6.5E-08
Dinitrophenol, 2,4-	6.3E-08
Methyl bromide (Bromomethane)	6.3E-08
Nitrophenol, 4-	6.1E-08
Nitroaniline, 3-	6.1E-08
Chloronaphthalene, 2-	5.7E-08
3-Penten-2-one, 4-methyl	4.8E-08
Dichlorobenzidine, 3,3'-	4.5E-08
Methylene bromide	4.4E-08
Pentachloronitrobenzene (PCNB)	3.6E-08
Dimethylphenol, 2,4-	2.7E-08
Acrylonitrile	2.6E-08
Chlorobenzilate	2.5E-08
Cobalt	2.4E-08
Nitrophenol, 2-	2.3E-08
Carbazole	2.0E-08
Dinitrobenzene, 1,3-	1.9E-08
Carbon Tetrachloride	1.9E-08
Benzyl alcohol	1.8E-08
Methyl ethyl ketone (2-Butanone)	1.8E-08
Benzaldehyde	1.7E-08
Toluene	1.7E-08
Heptachlor	1.5E-08
Nitroaniline, 4-	1.4E-08

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Benzonitrile	1.3E-08
Di-n-butyl phthalate	1.3E-08
Aniline	1.2E-08
TetraCDF, 2,3,7,8-	1.1E-08
Carbon Disulfide	1.0E-08
Phenol	1.0E-08
Heptachlor epoxide	8.5E-09
Endrin	8.4E-09
Phenanthrene	7.9E-09
Chlorophenol, 2-	7.5E-09
Chloroaniline, p-	7.2E-09
Acetone	6.7E-09
Methyl chloride (Chloromethane)	6.3E-09
HexaCDF, 1,2,3,6,7,8-	6.2E-09
Trichlorobenzene, 1,2,3-	6.0E-09
Acetophenone	5.9E-09
Bromophenyl-phenylether, 4-	5.8E-09
HexaCDF, 2,3,4,6,7,8-	5.8E-09
Chloro-3-methylphenol, 4-	5.6E-09
Hexachloro-1,3-butadiene (Perchlorobutadiene)	5.4E-09
Cresol, o-	5.4E-09
N-nitrosodimethylamine	4.8E-09
HexaCDF, 1,2,3,4,7,8-	3.8E-09
Butylbenzylphthalate	3.8E-09
Dichlorobenzene, 1,3-	3.7E-09
HexaCDD, 1,2,3,4,7,8-	3.6E-09
Diethyl phthalate	3.5E-09
Tetrachloroethane, 1,1,2,2-	3.4E-09
Vinyl Acetate	3.3E-09
PentaCDF, 1,2,3,7,8-	3.2E-09
Dichloropropene, 1,3- (cis)	3.2E-09
Bis(2-chloroethoxy) methane	2.9E-09
Trichlorophenol, 2,4,5-	2.8E-09
Nitrobenzene	2.7E-09
Nitroaniline, 2-	2.7E-09
PentaCDD, 1,2,3,7,8-	2.6E-09
Benzo(b)fluoranthene	2.6E-09
2,5-Dimethylheptane	2.5E-09
Naphthalene	2.5E-09
2-Hexanone	2.4E-09
Hexachloroethane (Perchloroethane)	2.4E-09
Cresol, m-	2.4E-09
Cresol, p-	2.4E-09
Dimethyl phthalate	2.3E-09
Endosulfan I	2.3E-09
Dichlorophenol, 2,4-	2.3E-09
Trichlorophenol, 2,4,6-	2.2E-09
Acenaphthylene	2.1E-09
Chlordane	2.1E-09
Pyridine	1.9E-09
BHC, beta-	1.9E-09
Dibenzofuran	1.8E-09
Diphenylamine	1.8E-09
Bromobenzene	1.7E-09
Aldrin	1.7E-09
Isophorone	1.7E-09
Tetrachlorobenzene, 1,2,4,5-	1.7E-09
Nitrosodiphenylamine, N-	1.6E-09
TetraCDD, 2,3,7,8-	1.6E-09
Pentachlorobenzene	1.5E-09
Di-n-octylphthalate	1.5E-09
Trichlorobenzene, 1,2,4-	1.4E-09
Xylene, m-	1.4E-09
Xylene, p-	1.4E-09
Indeno(1,2,3-cd) pyrene	1.3E-09
Diphenylhydrazine, 1,2-	1.2E-09
Trichloropropane, 1,2,3-	1.1E-09
Butylbenzene, sec	1.0E-09
Chrysene	9.7E-10
1,1-Dichloropropene	8.9E-10
Xylene, o-	8.7E-10

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Trichloroethane, 1,1,2-	8.3E-10
3-Ethyl benzaldehyde	8.2E-10
Aroclor 1254	8.1E-10
Dieldrin	8.1E-10
BHC, alpha-	7.4E-10
Styrene	7.2E-10
Iodomethane	7.1E-10
Bis(2-chlorethyl)ether	7.1E-10
2,2'-oxybis (1-Chloropropane)	6.7E-10
DDT, 4-4'	5.9E-10
Benzo(a)Anthracene	5.1E-10
Benzo(k)fluoranthene	5.0E-10
4-Ethyl benzaldehyde	4.5E-10
OctaCDF, 1,2,3,4,6,7,8,9-	4.4E-10
gamma-BHC (Lindane)	4.1E-10
Methyl isobutyl ketone	3.9E-10
HexaCDD, 1,2,3,7,8,9-	3.5E-10
Ethylene dibromide	3.4E-10
Benzo(a)pyrene	3.3E-10
Tetrahydrofuran	3.2E-10
HexaCDD, 1,2,3,6,7,8-	3.0E-10
1,3-Dichloropropane	2.6E-10
Butylbenzene, n-	2.5E-10
Dichloroethylene 1,1-	2.4E-10
2,2-Dichloropropane	2.4E-10
Butylbenzene, tert	2.4E-10
Tetrachloroethane, 1,1,1,2-	2.3E-10
DDD, 4,4'	2.3E-10
Trichloroethane, 1,1,1-	2.1E-10
Trichloroethylene	2.0E-10
Vinyl Chloride	1.9E-10
Acenaphthene	1.8E-10
Pyrene	1.7E-10
Trimethylbenzene, 1,3,5-	1.7E-10
2-Methylnaphthalene	1.5E-10
HeptaCDF, 1,2,3,4,6,7,8-	1.5E-10
Dichlorobenzene, 1,2-	1.5E-10
Dichloroethane, 1,2- (Ethylene Dichloride)	1.3E-10
Anthracene	1.1E-10
Methoxychlor	9.4E-11
Dichlorobenzene, 1,4-	8.7E-11
OctaCDD, 1,2,3,4,6,7,8,9-	7.9E-11
DDE, 4,4'	7.8E-11
Cumene (Isopropylbenzene)	7.7E-11
2-Chlorotoluene	6.6E-11
4-Chlorotoluene	6.6E-11
Ethylene Glycol	6.5E-11
Fluorene	5.7E-11
Propylbenzene, n-	5.4E-11
1,2,4-Trimethylbenzene	4.7E-11
Dichloropropane, 1,2-	4.1E-11
Dichloroethylene, cis-1,2-	3.9E-11
HexaCDF, 1,2,3,7,8,9-	3.3E-11
Ethylbenzene	3.3E-11
Chloroethane	2.7E-11
Trichlorofluoromethane (Freon 11)	2.6E-11
Bromochloromethane	2.6E-11
methyl tert-butyl ether	2.4E-11
HeptaCDF, 1,2,3,4,7,8,9-	2.1E-11
Benzo(g,h,i)perylene	2.1E-11
Propylene oxide	1.7E-11
Dichloroethylene-1,2 (trans)	1.4E-11
Dichlorodifluoromethane	1.3E-11
Dichloroethane 1,1-	1.3E-11
HeptaCDD, 1,2,3,4,6,7,8-	7.7E-12
Methyl methacrylate	4.1E-12
Dibenz(a,h)anthracene	1.9E-12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)	1.7E-12
Dioxane, 1,4-	1.5E-12
Acrylic Acid	1.6E-13
1-Hexane (n-hexane)	2.8E-14

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
2,5-Dimethylfuran	NC
2,5-Dione, 3-hexene	NC
2-Methyl octane	NC
3-Hexen-2-one	NC
3-Penten-2-one (ethylidene acetone)	NC
9-Octadecenamide (oleamide)	NC
Benzo(e)pyrene	NC
Benzoic acid, methyl ester (methyl benzoate)	NC
delta-BHC	NC
Diallate	NC
Endosulfan II	NC
Endosulfan sulfate	NC
Endrin aldehyde	NC
Endrin ketone	NC
Isopropyl toluene, p-	NC
Perylene	NC
Phosphine imide, P,P,P-triphenyl	NC
Total (b)	1.0E-01
A 2 closest business	
Nitrogen dioxide	3.6E-02
Arsenic	3.3E-02
Chlorine	9.0E-03
Sulfur dioxide	6.9E-03
Hydrogen chloride	4.0E-03
Beryllium	1.3E-03
Cadmium	5.2E-04
Lead	1.0E-04
Nickel	8.2E-05
Copper	5.9E-05
Mercury	3.9E-05
Mercuric chloride	9.7E-06
Hexachlorobenzene	8.7E-06
Chlorophenyl-phenylether, 4-	7.7E-06
Benzidine	5.1E-06
Dibromo-3-chloropropane, 1,2-	4.5E-06
Chloroform (Trichloromethane)	2.9E-06
Hexachlorocyclopentadiene	2.0E-06
Thallium (I)	1.5E-06
4,6-Dinitro-2-methylphenol	1.1E-06
Vanadium	8.1E-07
Manganese	7.7E-07
Pentachlorophenol	5.4E-07
Silver	4.5E-07
PentaCDF, 2,3,4,7,8-	3.2E-07
Barium	3.0E-07
Tetrachloroethylene (Perchloroethylene)	2.9E-07
Nitrosodipropylamine, n-	2.5E-07
Zinc	2.5E-07
Chromium	1.9E-07
Chromium, hexavalent	1.9E-07
Aluminum	1.9E-07
Fluoranthene	1.7E-07
Bromoform (tribromomethane)	1.4E-07
Antimony	1.4E-07
Selenium	1.3E-07
Benzoic Acid	1.2E-07
Dinitrotoluene, 2,4-	1.2E-07
Chlorobenzene	1.1E-07
Benzene	1.0E-07
Dibromochloromethane	9.4E-08
Dinitrotoluene, 2,6-	9.2E-08
Ethylhexyl phthalate, bis-2-	9.2E-08
Bromodichloromethane	7.1E-08
Methylene chloride	6.5E-08
Dinitrophenol, 2,4-	6.4E-08
Methyl bromide (Bromomethane)	6.3E-08
Nitrophenol, 4-	6.1E-08
Nitroaniline, 3-	6.1E-08
Chloronaphthalene,2-	5.7E-08

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
3-Penten-2-one, 4-methyl	4.9E-08
Methylene bromide	4.5E-08
Dichlorobenzidine, 3,3'-	4.4E-08
Pentachloronitrobenzene (PCNB)	3.6E-08
Dimethylphenol, 2,4-	2.7E-08
Acrylonitrile	2.6E-08
Chlorobenzilate	2.5E-08
Nitrophenol, 2-	2.3E-08
Carbazole	2.1E-08
Dinitrobenzene, 1,3-	1.9E-08
Carbon Tetrachloride	1.9E-08
Benzyl alcohol	1.8E-08
Methyl ethyl ketone (2-Butanone)	1.8E-08
Benzaldehyde	1.7E-08
Toluene	1.7E-08
Heptachlor	1.5E-08
Nitroaniline, 4-	1.4E-08
Benzonitrile	1.3E-08
Di-n-butyl phthalate	1.3E-08
Aniline	1.2E-08
TetraCDF, 2,3,7,8-	1.1E-08
Carbon Disulfide	1.0E-08
Phenol	1.0E-08
Cobalt	9.7E-09
Heptachlor epoxide	8.6E-09
Endrin	8.4E-09
Phenanthrene	7.9E-09
Chlorophenol, 2-	7.5E-09
Chloroaniline, p-	7.3E-09
Acetone	6.8E-09
Methyl chloride (Chloromethane)	6.3E-09
HexaCDF, 1,2,3,6,7,8-	6.0E-09
Trichlorobenzene, 1,2,3-	6.0E-09
Acetophenone	5.9E-09
Bromophenyl-phenylether, 4-	5.8E-09
Chloro-3-methylphenol, 4-	5.7E-09
HexaCDF, 2,3,4,6,7,8-	5.7E-09
Hexachloro-1,3-butadiene (Perchlorobutadiene)	5.5E-09
Cresol, o-	5.5E-09
N-nitrosodimethylamine	4.8E-09
Butylbenzylphthalate	3.8E-09
Dichlorobenzene, 1,3-	3.7E-09
HexaCDF, 1,2,3,4,7,8-	3.7E-09
Diethyl phthalate	3.5E-09
HexaCDD, 1,2,3,4,7,8-	3.5E-09
Tetrachloroethane, 1,1,2,2-	3.5E-09
Vinyl Acetate	3.4E-09
Dichloropropene, 1,3- (cis)	3.2E-09
PentaCDF, 1,2,3,7,8-	3.1E-09
Bis(2-chloroethoxy) methane	2.9E-09
Trichlorophenol, 2,4,5-	2.8E-09
Nitrobenzene	2.7E-09
Nitroaniline, 2-	2.7E-09
Benzo(b)fluoranthene	2.6E-09
PentaCDD, 1,2,3,7,8-	2.5E-09
2,5-Dimethylheptane	2.5E-09
Naphthalene	2.5E-09
2-Hexanone	2.5E-09
Hexachloroethane (Perchloroethane)	2.4E-09
Cresol, m-	2.4E-09
Cresol, p-	2.4E-09
Dimethyl phthalate	2.3E-09
Endosulfan I	2.3E-09
Dichlorophenol, 2,4-	2.3E-09
Trichlorophenol, 2,4,6-	2.2E-09
Acenaphthylene	2.1E-09
Chlordane	2.1E-09
Pyridine	1.9E-09
BHC, beta-	1.9E-09
Dibenzofuran	1.8E-09
Diphenylamine	1.8E-09

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Bromobenzene	1.7E-09
Aldrin	1.7E-09
Isophorone	1.7E-09
Tetrachlorobenzene, 1,2,4,5-	1.7E-09
Nitrosodiphenylamine, N-	1.7E-09
TetraCDD, 2,3,7,8-	1.5E-09
Pentachlorobenzene	1.5E-09
Di-n-octylphthalate	1.5E-09
Trichlorobenzene, 1,2,4-	1.4E-09
Xylene, m-	1.4E-09
Xylene, p-	1.4E-09
Diphenylhydrazine, 1,2-	1.2E-09
Trichloropropane, 1,2,3-	1.1E-09
Butylbenzene, sec	1.0E-09
Chrysene	9.7E-10
1,1-Dichloropropene	9.0E-10
Xylene, o-	8.8E-10
Trichloroethane, 1,1,2-	8.4E-10
3-Ethyl benzaldehyde	8.3E-10
Aroclor 1254	8.2E-10
Dieldrin	8.2E-10
BHC, alpha-	7.5E-10
Styrene	7.2E-10
Iodomethane	7.1E-10
Bis(2-chlorethyl)ether	7.1E-10
2,2'-oxybis (1-Chloropropane)	6.8E-10
DDT, 4-4'	5.9E-10
Benzo(a)Anthracene	5.1E-10
Indeno(1,2,3-cd) pyrene	5.1E-10
Benzo(k)fluoranthene	4.9E-10
4-Ethyl benzaldehyde	4.5E-10
OctaCDF, 1,2,3,4,6,7,8,9-	4.2E-10
gamma-BHC (Lindane)	4.1E-10
Methyl isobutyl ketone	3.9E-10
Ethylene dibromide	3.5E-10
HexaCDD, 1,2,3,7,8,9-	3.4E-10
Benzo(a)pyrene	3.2E-10
Tetrahydrofuran	3.2E-10
HexaCDD, 1,2,3,6,7,8-	2.9E-10
1,3-Dichloropropane	2.6E-10
Butylbenzene, n-	2.5E-10
Dichloroethylene 1,1-	2.5E-10
2,2-Dichloropropane	2.4E-10
Butylbenzene, tert	2.4E-10
Tetrachloroethane, 1,1,1,2-	2.3E-10
DDD, 4,4'	2.3E-10
Trichloroethane, 1,1,1-	2.1E-10
Trichloroethylene	2.0E-10
Vinyl Chloride	2.0E-10
Acenaphthene	1.8E-10
Pyrene	1.7E-10
Trimethylbenzene, 1,3,5-	1.7E-10
2-Methylnaphthalene	1.5E-10
Dichlorobenzene, 1,2-	1.5E-10
HeptaCDF, 1,2,3,4,6,7,8-	1.5E-10
Dichloroethane, 1,2- (Ethylene Dichloride)	1.3E-10
Anthracene	1.1E-10
Methoxychlor	9.4E-11
Dichlorobenzene, 1,4-	8.7E-11
DDE, 4,4'	7.8E-11
Cumene (Isopropylbenzene)	7.7E-11
OctaCDD, 1,2,3,4,6,7,8,9-	7.7E-11
2-Chlorotoluene	6.7E-11
4-Chlorotoluene	6.6E-11
Ethylene Glycol	6.5E-11
Fluorene	5.7E-11
Propylbenzene, n-	5.4E-11
1,2,4-Trimethylbenzene	4.8E-11
Dichloropropane, 1,2-	4.2E-11
Dichloroethylene, cis-1,2-	3.9E-11
Ethylbenzene	3.3E-11

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
HexaCDF, 1,2,3,7,8,9-	3.2E-11
Chloroethane	2.8E-11
Trichlorofluoromethane (Freon 11)	2.7E-11
Bromochloromethane	2.6E-11
methyl tert-butyl ether	2.4E-11
HeptaCDF, 1,2,3,4,7,8,9-	2.1E-11
Benzo(g,h,i)perylene	2.1E-11
Propylene oxide	1.7E-11
Dichloroethylene-1,2 (trans)	1.4E-11
Dichlorodifluoromethane	1.3E-11
Dichloroethane 1,1-	1.3E-11
HeptaCDD, 1,2,3,4,6,7,8-	7.5E-12
Methyl methacrylate	4.1E-12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)	1.7E-12
Dioxane, 1,4-	1.6E-12
Dibenz(a,h)anthracene	7.8E-13
Acrylic Acid	1.6E-13
1-Hexane (n-hexane)	2.8E-14
2,5-Dimethylfuran	NC
2,5-Dione, 3-hexene	NC
2-Methyl octane	NC
3-Hexen-2-one	NC
3-Penten-2-one (ethylidene acetone)	NC
9-Octadecenamide (oleamide)	NC
Benzo(e)pyrene	NC
Benzoic acid, methyl ester (methyl benzoate)	NC
delta-BHC	NC
Diallate	NC
Endosulfan II	NC
Endosulfan sulfate	NC
Endrin aldehyde	NC
Endrin ketone	NC
Isopropyl toluene, p-	NC
Perylene	NC
Phosphine imide, P,P,P-triphenyl	NC
Total (b)	9.0E-02
R_1 resident	
Nitrogen dioxide	1.5E-02
Arsenic	1.2E-02
Chlorine	3.7E-03
Sulfur dioxide	2.8E-03
Hydrogen chloride	1.6E-03
Beryllium	4.5E-04
Cadmium	1.8E-04
Lead	3.7E-05
Nickel	2.9E-05
Copper	2.1E-05
Mercury	1.6E-05
Mercuric chloride	4.0E-06
Hexachlorobenzene	3.6E-06
Chlorophenyl-phenylether, 4-	3.2E-06
Benzidine	2.2E-06
Dibromo-3-chloropropane, 1,2-	1.8E-06
Chloroform (Trichloromethane)	1.2E-06
Hexachlorocyclopentadiene	8.0E-07
Thallium (I)	5.5E-07
4,6-Dinitro-2-methylphenol	4.7E-07
Vanadium	2.9E-07
Manganese	2.7E-07
Pentachlorophenol	2.2E-07
Silver	1.6E-07
PentaCDF, 2,3,4,7,8-	1.4E-07
Tetrachloroethylene (Perchloroethylene)	1.2E-07
Barium	1.1E-07
Nitrosodipropylamine, n-	1.0E-07
Zinc	8.9E-08
Fluoranthene	7.0E-08
Chromium	6.9E-08
Chromium, hexavalent	6.9E-08

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Aluminum	6.8E-08
Bromoform (tribromomethane)	5.9E-08
Antimony	5.5E-08
Benzoic Acid	4.8E-08
Dinitrotoluene, 2,4-	4.7E-08
Selenium	4.5E-08
Chlorobenzene	4.4E-08
Benzene	4.2E-08
Ethylhexyl phthalate, bis-2-	4.1E-08
Dibromochloromethane	3.8E-08
Dinitrotoluene, 2,6-	3.8E-08
Bromodichloromethane	2.9E-08
Methylene chloride	2.6E-08
Dinitrophenol, 2,4-	2.6E-08
Methyl bromide (Bromomethane)	2.6E-08
Nitrophenol, 4-	2.5E-08
Nitroaniline, 3-	2.5E-08
Chloronaphthalene, 2-	2.3E-08
3-Penten-2-one, 4-methyl	2.0E-08
Dichlorobenzidine, 3,3'-	1.9E-08
Methylene bromide	1.8E-08
Pentachloronitrobenzene (PCNB)	1.5E-08
Dimethylphenol, 2,4-	1.1E-08
Acrylonitrile	1.1E-08
Chlorobenzilate	1.0E-08
Nitrophenol, 2-	9.4E-09
Carbazole	8.4E-09
Dinitrobenzene, 1,3-	7.7E-09
Carbon Tetrachloride	7.6E-09
Benzyl alcohol	7.4E-09
Methyl ethyl ketone (2-Butanone)	7.4E-09
Benzaldehyde	7.0E-09
Toluene	6.8E-09
Heptachlor	6.1E-09
Nitroaniline, 4-	5.5E-09
Benzonitrile	5.3E-09
Di-n-butyl phthalate	5.3E-09
Aniline	5.0E-09
TetraCDF, 2,3,7,8-	4.6E-09
Carbon Disulfide	4.3E-09
Phenol	4.2E-09
Heptachlor epoxide	3.5E-09
Endrin	3.5E-09
Cobalt	3.4E-09
Phenanthrene	3.2E-09
Chlorophenol, 2-	3.1E-09
Chloroaniline, p-	3.0E-09
Acetone	2.8E-09
HexaCDF, 1,2,3,6,7,8-	2.7E-09
Methyl chloride (Chloromethane)	2.6E-09
HexaCDF, 2,3,4,6,7,8-	2.5E-09
Trichlorobenzene, 1,2,3-	2.5E-09
Acetophenone	2.4E-09
Bromophenyl-phenylether, 4-	2.4E-09
Chloro-3-methylphenol, 4-	2.3E-09
Hexachloro-1,3-butadiene (Perchlorobutadiene)	2.2E-09
Cresol, o-	2.2E-09
N-nitrosodimethylamine	2.0E-09
HexaCDF, 1,2,3,4,7,8-	1.6E-09
Butylbenzylphthalate	1.5E-09
HexaCDD, 1,2,3,4,7,8-	1.5E-09
Dichlorobenzene, 1,3-	1.5E-09
Diethyl phthalate	1.4E-09
Tetrachloroethane, 1,1,2,2-	1.4E-09
Vinyl Acetate	1.4E-09
PentaCDF, 1,2,3,7,8-	1.3E-09
Dichloropropene, 1,3- (cis)	1.3E-09
Bis(2-chloroethoxy) methane	1.2E-09
Trichlorophenol, 2,4,5-	1.1E-09
Nitrobenzene	1.1E-09
PentaCDD, 1,2,3,7,8-	1.1E-09

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Nitroaniline, 2-	1.1E-09
Benzo(b)fluoranthene	1.0E-09
2,5-Dimethylheptane	1.0E-09
Naphthalene	1.0E-09
2-Hexanone	1.0E-09
Hexachloroethane (Perchloroethane)	9.9E-10
Cresol, m-	9.7E-10
Cresol, p-	9.7E-10
Dimethyl phthalate	9.5E-10
Endosulfan I	9.3E-10
Dichlorophenol, 2,4-	9.2E-10
Trichlorophenol, 2,4,6-	9.0E-10
Acenaphthylene	8.6E-10
Chlordane	8.5E-10
Pyridine	7.9E-10
BHC, beta-	7.9E-10
Dibenzofuran	7.5E-10
Diphenylamine	7.5E-10
Bromobenzene	7.1E-10
Aldrin	7.0E-10
Isophorone	6.8E-10
Tetrachlorobenzene, 1,2,4,5-	6.8E-10
Nitrosodiphenylamine, N-	6.7E-10
TetraCDD, 2,3,7,8-	6.5E-10
Pentachlorobenzene	6.3E-10
Di-n-octylphthalate	6.2E-10
Trichlorobenzene, 1,2,4-	5.7E-10
Xylene, m-	5.6E-10
Xylene, p-	5.6E-10
Diphenylhydrazine, 1,2-	5.0E-10
Trichloropropane, 1,2,3-	4.4E-10
Butylbenzene, sec	4.2E-10
Chrysene	4.0E-10
1,1-Dichloropropene	3.7E-10
Xylene, o-	3.6E-10
Trichloroethane, 1,1,2-	3.4E-10
3-Ethyl benzaldehyde	3.4E-10
Aroclor 1254	3.3E-10
Dieldrin	3.3E-10
BHC, alpha-	3.0E-10
Styrene	2.9E-10
Iodomethane	2.9E-10
Bis(2-chlorethyl)ether	2.9E-10
2,2'-oxybis (1-Chloropropane)	2.8E-10
DDT, 4-4'	2.5E-10
Benzo(a)Anthracene	2.2E-10
Benzo(k)fluoranthene	2.1E-10
OctaCDF, 1,2,3,4,6,7,8,9-	1.9E-10
4-Ethyl benzaldehyde	1.8E-10
Indeno(1,2,3-cd) pyrene	1.8E-10
gamma-BHC (Lindane)	1.7E-10
Methyl isobutyl ketone	1.6E-10
HexaCDD, 1,2,3,7,8,9-	1.5E-10
Ethylene dibromide	1.4E-10
Benzo(a)pyrene	1.4E-10
Tetrahydrofuran	1.3E-10
HexaCDD, 1,2,3,6,7,8-	1.3E-10
1,3-Dichloropropane	1.1E-10
Butylbenzene, n-	1.0E-10
Dichloroethylene 1,1-	1.0E-10
2,2-Dichloropropane	9.9E-11
Butylbenzene, tert	9.9E-11
Tetrachloroethane, 1,1,1,2-	9.5E-11
DDD, 4,4'	9.4E-11
Trichloroethane, 1,1,1-	8.7E-11
Trichloroethylene	8.0E-11
Vinyl Chloride	8.0E-11
Acenaphthene	7.3E-11
Pyrene	7.0E-11
Trimethylbenzene, 1,3,5-	6.9E-11
HeptaCDF, 1,2,3,4,6,7,8-	6.5E-11

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
2-Methylnaphthalene	6.2E-11
Dichlorobenzene, 1,2-	6.0E-11
Dichloroethane, 1,2- (Ethylene Dichloride)	5.3E-11
Anthracene	4.5E-11
Methoxychlor	3.9E-11
Dichlorobenzene,1,4-	3.6E-11
OctaCDD, 1,2,3,4,6,7,8,9-	3.4E-11
DDE, 4,4'-	3.2E-11
Cumene (Isopropylbenzene)	3.2E-11
2-Chlorotoluene	2.7E-11
4-Chlorotoluene	2.7E-11
Ethylene Glycol	2.7E-11
Fluorene	2.3E-11
Propylbenzene, n-	2.2E-11
1,2,4- Trimethylbenzene	1.9E-11
Dichloropropane, 1,2-	1.7E-11
Dichloroethylene, cis-1,2-	1.6E-11
HexaCDF, 1,2,3,7,8,9-	1.4E-11
Ethylbenzene	1.3E-11
Chloroethane	1.1E-11
Trichlorofluoromethane (Freon 11)	1.1E-11
Bromochloromethane	1.1E-11
methyl tert-butyl ether	9.7E-12
HeptaCDF, 1,2,3,4,7,8,9-	9.2E-12
Benzo(g,h,i)perylene	9.1E-12
Propylene oxide	6.9E-12
Dichloroethylene-1,2 (trans)	5.5E-12
Dichlorodifluoromethane	5.4E-12
Dichloroethane 1,1-	5.3E-12
HeptaCDD, 1,2,3,4,6,7,8-	3.3E-12
Methyl methacrylate	1.7E-12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)	7.1E-13
Dioxane, 1,4-	6.3E-13
Dibenz(a,h)anthracene	2.8E-13
Acrylic Acid	6.4E-14
1-Hexane (n-hexane)	1.1E-14
2,5-Dimethylfuran	NC
2,5-Dione, 3-hexene	NC
2-Methyl octane	NC
3-Hexen-2-one	NC
3-Penten-2-one (ethylidene acetone)	NC
9-Octadecenamide (oleamide)	NC
Benzo(e)pyrene	NC
Benzoic acid, methyl ester (methyl benzoate)	NC
delta-BHC	NC
Diallate	NC
Endosulfan II	NC
Endosulfan sulfate	NC
Endrin aldehyde	NC
Endrin ketone	NC
Isopropyl toluene, p-	NC
Perylene	NC
Phosphine imide, P,P,P-triphenyl	NC
Total (b)	4.0E-02
R 2 resident	
Nitrogen dioxide	9.9E-03
Arsenic	7.0E-03
Chlorine	2.4E-03
Sulfur dioxide	1.9E-03
Hydrogen chloride	1.1E-03
Beryllium	2.6E-04
Cadmium	1.1E-04
Lead	2.2E-05
Nickel	1.7E-05
Copper	1.2E-05
Mercury	1.1E-05
Mercuric chloride	2.7E-06
Hexachlorobenzene	2.4E-06
Chlorophenyl-phenylether, 4-	2.1E-06

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Benzidine	1.5E-06
Dibromo-3-chloropropane, 1,2-	1.2E-06
Chloroform (Trichloromethane)	7.8E-07
Hexachlorocyclopentadiene	5.4E-07
Thallium (I)	3.2E-07
4,6-Dinitro-2-methylphenol	3.1E-07
Vanadium	1.7E-07
Manganese	1.6E-07
Pentachlorophenol	1.5E-07
Silver	9.6E-08
PentaCDF, 2,3,4,7,8-	9.5E-08
Tetrachloroethylene (Perchloroethylene)	8.0E-08
Nitrosodipropylamine, n-	6.9E-08
Barium	6.3E-08
Zinc	5.3E-08
Fluoranthene	4.7E-08
Chromium	4.1E-08
Chromium, hexavalent	4.1E-08
Aluminum	4.0E-08
Bromoform (tribromomethane)	3.9E-08
Antimony	3.7E-08
Benzoic Acid	3.2E-08
Dinitrotoluene, 2,4-	3.1E-08
Chlorobenzene	2.9E-08
Benzene	2.8E-08
Ethylhexyl phthalate, bis-2-	2.7E-08
Selenium	2.7E-08
Dibromochloromethane	2.6E-08
Dinitrotoluene, 2,6-	2.5E-08
Bromodichloromethane	1.9E-08
Methylene chloride	1.8E-08
Dinitrophenol, 2,4-	1.7E-08
Methyl bromide (Bromomethane)	1.7E-08
Nitrophenol, 4-	1.7E-08
Nitroaniline, 3-	1.7E-08
Chloronaphthalene, 2-	1.6E-08
3-Penten-2-one, 4-methyl	1.3E-08
Dichlorobenzidine, 3,3'-	1.3E-08
Methylene bromide	1.2E-08
Pentachloronitrobenzene (PCNB)	9.9E-09
Dimethylphenol, 2,4-	7.3E-09
Acrylonitrile	7.1E-09
Chlorobenzilate	6.8E-09
Nitrophenol, 2-	6.3E-09
Carbazole	5.6E-09
Dinitrobenzene, 1,3-	5.1E-09
Carbon Tetrachloride	5.1E-09
Benzyl alcohol	5.0E-09
Methyl ethyl ketone (2-Butanone)	4.9E-09
Benzaldehyde	4.7E-09
Toluene	4.5E-09
Heptachlor	4.1E-09
Nitroaniline, 4-	3.7E-09
Benzonitrile	3.6E-09
Di-n-butyl phthalate	3.5E-09
Aniline	3.4E-09
TetraCDF, 2,3,7,8-	3.1E-09
Carbon Disulfide	2.9E-09
Phenol	2.8E-09
Heptachlor epoxide	2.3E-09
Endrin	2.3E-09
Phenanthrene	2.2E-09
Chlorophenol, 2-	2.0E-09
Cobalt	2.0E-09
Chloroaniline, p-	2.0E-09
Acetone	1.8E-09
HexaCDF, 1,2,3,6,7,8-	1.8E-09
Methyl chloride (Chloromethane)	1.7E-09
HexaCDF, 2,3,4,6,7,8-	1.7E-09
Trichlorobenzene, 1,2,3-	1.6E-09
Acetophenone	1.6E-09

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Bromophenyl-phenylether, 4-	1.6E-09
Chloro-3-methylphenol, 4-	1.5E-09
Hexachloro-1,3-butadiene (Perchlorobutadiene)	1.5E-09
Cresol, o-	1.5E-09
N-nitrosodimethylamine	1.3E-09
HexaCDF, 1,2,3,4,7,8-	1.1E-09
HexaCDD, 1,2,3,4,7,8-	1.0E-09
Butylbenzylphthalate	1.0E-09
Dichlorobenzene, 1,3-	1.0E-09
Diethyl phthalate	9.6E-10
Tetrachloroethane, 1,1,2,2-	9.4E-10
Vinyl Acetate	9.2E-10
PentaCDF, 1,2,3,7,8-	9.1E-10
Dichloropropene, 1,3- (cis)	8.6E-10
Bis(2-chloroethoxy) methane	7.9E-10
Trichlorophenol, 2,4,5-	7.7E-10
PentaCDD, 1,2,3,7,8-	7.5E-10
Nitrobenzene	7.5E-10
Nitroaniline, 2-	7.4E-10
Benzo(b)fluoranthene	7.0E-10
2,5-Dimethylheptane	6.8E-10
Naphthalene	6.8E-10
2-Hexanone	6.7E-10
Hexachloroethane (Perchloroethane)	6.6E-10
Cresol, m-	6.5E-10
Cresol, p-	6.5E-10
Dimethyl phthalate	6.4E-10
Endosulfan I	6.2E-10
Dichlorophenol, 2,4-	6.2E-10
Trichlorophenol, 2,4,6-	6.0E-10
Acenaphthylene	5.8E-10
Chlordane	5.7E-10
Pyridine	5.3E-10
BHC, beta-	5.3E-10
Dibenzofuran	5.0E-10
Diphenylamine	5.0E-10
Bromobenzene	4.8E-10
Aldrin	4.7E-10
Isophorone	4.5E-10
Tetrachlorobenzene, 1,2,4,5-	4.5E-10
Nitrosodiphenylamine, N-	4.5E-10
TetraCDD, 2,3,7,8-	4.4E-10
Pentachlorobenzene	4.2E-10
Di-n-octylphthalate	4.1E-10
Trichlorobenzene, 1,2,4-	3.8E-10
Xylene, m-	3.8E-10
Xylene, p-	3.8E-10
Diphenylhydrazine, 1,2-	3.3E-10
Trichloropropane, 1,2,3-	3.0E-10
Butylbenzene, sec	2.8E-10
Chrysene	2.7E-10
1,1-Dichloropropene	2.5E-10
Xylene, o-	2.4E-10
Trichloroethane, 1,1,2-	2.3E-10
3-Ethyl benzaldehyde	2.3E-10
Aroclor 1254	2.2E-10
Dieldrin	2.2E-10
BHC, alpha-	2.0E-10
Styrene	2.0E-10
Iodomethane	1.9E-10
Bis(2-chlorethyl)ether	1.9E-10
2,2'-oxybis (1-Chloropropane)	1.8E-10
DDT, 4-4'	1.7E-10
Benzo(a)Anthracene	1.5E-10
Benzo(k)fluoranthene	1.4E-10
OctaCDF, 1,2,3,4,6,7,8,9-	1.3E-10
4-Ethyl benzaldehyde	1.2E-10
gamma-BHC (Lindane)	1.1E-10
Methyl isobutyl ketone	1.1E-10
Indeno(1,2,3-cd) pyrene	1.1E-10
HexaCDD, 1,2,3,7,8,9-	1.0E-10

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Benzo(a)pyrene	9.5E-11
Ethylene dibromide	9.4E-11
HexaCDD, 1,2,3,6,7,8-	8.8E-11
Tetrahydrofuran	8.7E-11
1,3-Dichloropropane	7.2E-11
Butylbenzene, n-	6.9E-11
Dichloroethylene 1,1-	6.7E-11
2,2-Dichloropropane	6.6E-11
Butylbenzene, tert	6.6E-11
Tetrachloroethane, 1,1,1,2-	6.4E-11
DDD, 4,4'-	6.3E-11
Trichloroethane, 1,1,1-	5.8E-11
Trichloroethylene	5.4E-11
Vinyl Chloride	5.3E-11
Acenaphthene	4.9E-11
Pyrene	4.7E-11
Trimethylbenzene, 1,3,5-	4.6E-11
HeptaCDF, 1,2,3,4,6,7,8-	4.4E-11
2-Methylnaphthalene	4.1E-11
Dichlorobenzene, 1,2-	4.0E-11
Dichloroethane, 1,2- (Ethylene Dichloride)	3.6E-11
Anthracene	3.0E-11
Methoxychlor	2.6E-11
Dichlorobenzene, 1,4-	2.4E-11
OctaCDD, 1,2,3,4,6,7,8,9-	2.3E-11
DDE, 4,4'-	2.1E-11
Cumene (Isopropylbenzene)	2.1E-11
2-Chlorotoluene	1.8E-11
4-Chlorotoluene	1.8E-11
Ethylene Glycol	1.8E-11
Fluorene	1.6E-11
Propylbenzene, n-	1.5E-11
1,2,4-Trimethylbenzene	1.3E-11
Dichloropropane, 1,2-	1.1E-11
Dichloroethylene, cis-1,2-	1.1E-11
HexaCDF, 1,2,3,7,8,9-	9.6E-12
Ethylbenzene	8.9E-12
Chloroethane	7.5E-12
Trichlorofluoromethane (Freon 11)	7.2E-12
Bromochloromethane	7.2E-12
methyl tert-butyl ether	6.5E-12
HeptaCDF, 1,2,3,4,7,8,9-	6.2E-12
Benzo(g,h,i)perylene	6.2E-12
Propylene oxide	4.6E-12
Dichloroethylene-1,2 (trans)	3.7E-12
Dichlorodifluoromethane	3.6E-12
Dichloroethane 1,1-	3.5E-12
HeptaCDD, 1,2,3,4,6,7,8-	2.3E-12
Methyl methacrylate	1.1E-12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)	4.7E-13
Dioxane, 1,4-	4.2E-13
Dibenz(a,h)anthracene	1.7E-13
Acrylic Acid	4.3E-14
1-Hexane (n-hexane)	7.6E-15
2,5-Dimethylfuran	NC
2,5-Dione, 3-hexene	NC
2-Methyl octane	NC
3-Hexen-2-one	NC
3-Penten-2-one (ethylidene acetone)	NC
9-Octadecenamide (oleamide)	NC
Benzo(e)pyrene	NC
Benzoic acid, methyl ester (methyl benzoate)	NC
delta-BHC	NC
Diallate	NC
Endosulfan II	NC
Endosulfan sulfate	NC
Endrin aldehyde	NC
Endrin ketone	NC
Isopropyl toluene, p-	NC
Perylene	NC
Phosphine imide, P,P,P-triphenyl	NC

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Total (b)	2.0E-02
R_3 resident farmer	
Nitrogen dioxide	9.4E-03
Arsenic	6.6E-03
Chlorine	2.3E-03
Sulfur dioxide	1.8E-03
Hydrogen chloride	1.0E-03
Beryllium	2.5E-04
Cadmium	1.0E-04
Lead	2.1E-05
Nickel	1.6E-05
Copper	1.2E-05
Mercury	1.0E-05
Mercuric chloride	2.5E-06
Hexachlorobenzene	2.2E-06
Chlorophenyl-phenylether, 4-	2.0E-06
Benzidine	1.5E-06
Dibromo-3-chloropropane, 1,2-	1.2E-06
Chloroform (Trichloromethane)	7.4E-07
Hexachlorocyclopentadiene	5.1E-07
Thallium (I)	3.1E-07
4,6-Dinitro-2-methylphenol	2.9E-07
Vanadium	1.6E-07
Manganese	1.5E-07
Pentachlorophenol	1.4E-07
PentaCDF, 2,3,4,7,8-	9.1E-08
Silver	9.1E-08
Tetrachloroethylene (Perchloroethylene)	7.5E-08
Nitrosodipropylamine, n-	6.5E-08
Barium	6.0E-08
Zinc	5.0E-08
Fluoranthene	4.4E-08
Chromium	3.9E-08
Chromium, hexavalent	3.9E-08
Aluminum	3.8E-08
Bromoform (tribromomethane)	3.7E-08
Antimony	3.5E-08
Benzoic Acid	3.0E-08
Dinitrotoluene, 2,4-	3.0E-08
Chlorobenzene	2.8E-08
Benzene	2.7E-08
Ethylhexyl phthalate, bis-2-	2.6E-08
Selenium	2.5E-08
Dibromochloromethane	2.4E-08
Dinitrotoluene, 2,6-	2.4E-08
Bromodichloromethane	1.8E-08
Methylene chloride	1.7E-08
Dinitrophenol, 2,4-	1.6E-08
Methyl bromide (Bromomethane)	1.6E-08
Nitrophenol, 4-	1.6E-08
Nitroaniline, 3-	1.6E-08
Chloronaphthalene, 2-	1.5E-08
3-Penten-2-one, 4-methyl	1.2E-08
Dichlorobenzidine, 3,3'-	1.2E-08
Methylene bromide	1.1E-08
Pentachloronitrobenzene (PCNB)	9.3E-09
Dimethylphenol, 2,4-	6.9E-09
Acrylonitrile	6.7E-09
Chlorobenzilate	6.4E-09
Nitrophenol, 2-	5.9E-09
Carbazole	5.3E-09
Dinitrobenzene, 1,3-	4.8E-09
Carbon Tetrachloride	4.8E-09
Benzyl alcohol	4.7E-09
Methyl ethyl ketone (2-Butanone)	4.7E-09
Benzaldehyde	4.4E-09
Toluene	4.3E-09
Heptachlor	3.9E-09
Nitroaniline, 4-	3.5E-09

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Benzonitrile	3.3E-09
Di-n-butyl phthalate	3.3E-09
Aniline	3.2E-09
TetraCDF, 2,3,7,8-	2.9E-09
Carbon Disulfide	2.7E-09
Phenol	2.6E-09
Heptachlor epoxide	2.2E-09
Endrin	2.2E-09
Phenanthrene	2.0E-09
Cobalt	1.9E-09
Chlorophenol, 2-	1.9E-09
Chloroaniline, p-	1.9E-09
Acetone	1.7E-09
HexaCDF, 1,2,3,6,7,8-	1.7E-09
HexaCDF, 2,3,4,6,7,8-	1.6E-09
Methyl chloride (Chloromethane)	1.6E-09
Trichlorobenzene, 1,2,3-	1.5E-09
Acetophenone	1.5E-09
Bromophenyl-phenylether, 4-	1.5E-09
Chloro-3-methylphenol, 4-	1.5E-09
Hexachloro-1,3-butadiene (Perchlorobutadiene)	1.4E-09
Cresol, o-	1.4E-09
N-nitrosodimethylamine	1.2E-09
HexaCDF, 1,2,3,4,7,8-	1.1E-09
HexaCDD, 1,2,3,4,7,8-	1.0E-09
Butylbenzylphthalate	9.8E-10
Dichlorobenzene, 1,3-	9.5E-10
Diethyl phthalate	9.0E-10
Tetrachloroethane, 1,1,2,2-	8.9E-10
PentaCDF, 1,2,3,7,8-	8.7E-10
Vinyl Acetate	8.6E-10
Dichloropropene, 1,3- (cis)	8.1E-10
Bis(2-chloroethoxy) methane	7.5E-10
PentaCDD, 1,2,3,7,8-	7.2E-10
Trichlorophenol, 2,4,5-	7.2E-10
Nitrobenzene	7.0E-10
Nitroaniline, 2-	7.0E-10
Benzo(b)fluoranthene	6.6E-10
2,5-Dimethylheptane	6.4E-10
Naphthalene	6.4E-10
2-Hexanone	6.3E-10
Hexachloroethane (Perchloroethane)	6.2E-10
Cresol, m-	6.1E-10
Cresol, p-	6.1E-10
Dimethyl phthalate	6.0E-10
Endosulfan I	5.9E-10
Dichlorophenol, 2,4-	5.8E-10
Trichlorophenol, 2,4,6-	5.7E-10
Acenaphthylene	5.4E-10
Chlordane	5.4E-10
Pyridine	5.0E-10
BHC, beta-	5.0E-10
Dibenzofuran	4.7E-10
Diphenylamine	4.7E-10
Bromobenzene	4.5E-10
Aldrin	4.4E-10
Isophorone	4.3E-10
Tetrachlorobenzene, 1,2,4,5-	4.3E-10
Nitrosodiphenylamine, N-	4.2E-10
TetraCDD, 2,3,7,8-	4.1E-10
Pentachlorobenzene	4.0E-10
Di-n-octylphthalate	3.9E-10
Trichlorobenzene, 1,2,4-	3.6E-10
Xylene, m-	3.5E-10
Xylene, p-	3.5E-10
Diphenylhydrazine, 1,2-	3.1E-10
Trichloropropane, 1,2,3-	2.8E-10
Butylbenzene, sec	2.6E-10
Chrysene	2.6E-10
1,1-Dichloropropene	2.3E-10
Xylene, o-	2.3E-10

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Trichloroethane, 1,1,2-	2.2E-10
3-Ethyl benzaldehyde	2.1E-10
Aroclor 1254	2.1E-10
Dieldrin	2.1E-10
BHC, alpha-	1.9E-10
Styrene	1.8E-10
Iodomethane	1.8E-10
Bis(2-chlorethyl)ether	1.8E-10
2,2'-oxybis (1-Chloropropane)	1.7E-10
DDT, 4-4'	1.6E-10
Benzo(a)Anthracene	1.4E-10
Benzo(k)fluoranthene	1.4E-10
OctaCDF, 1,2,3,4,6,7,8,9-	1.2E-10
4-Ethyl benzaldehyde	1.2E-10
gamma-BHC (Lindane)	1.0E-10
Indeno(1,2,3-cd) pyrene	1.0E-10
Methyl isobutyl ketone	1.0E-10
HexaCDD, 1,2,3,7,8,9-	9.9E-11
Benzo(a)pyrene	9.0E-11
Ethylene dibromide	8.9E-11
HexaCDD, 1,2,3,6,7,8-	8.4E-11
Tetrahydrofuran	8.2E-11
1,3-Dichloropropane	6.7E-11
Butylbenzene, n-	6.5E-11
Dichloroethylene 1,1-	6.3E-11
2,2-Dichloropropane	6.2E-11
Butylbenzene, tert	6.2E-11
Tetrachloroethane, 1,1,1,2-	6.0E-11
DDD, 4,4'	6.0E-11
Trichloroethane, 1,1,1-	5.5E-11
Trichloroethylene	5.1E-11
Vinyl Chloride	5.0E-11
Acenaphthene	4.6E-11
Pyrene	4.4E-11
Trimethylbenzene, 1,3,5-	4.4E-11
HeptaCDF, 1,2,3,4,6,7,8-	4.2E-11
2-Methylnaphthalene	3.9E-11
Dichlorobenzene, 1,2-	3.8E-11
Dichloroethane, 1,2- (Ethylene Dichloride)	3.4E-11
Anthracene	2.9E-11
Methoxychlor	2.5E-11
Dichlorobenzene,1,4-	2.2E-11
OctaCDD, 1,2,3,4,6,7,8,9-	2.2E-11
DDE, 4,4'	2.0E-11
Cumene (Isopropylbenzene)	2.0E-11
2-Chlorotoluene	1.7E-11
4-Chlorotoluene	1.7E-11
Ethylene Glycol	1.7E-11
Fluorene	1.5E-11
Propylbenzene, n-	1.4E-11
1,2,4- Trimethylbenzene	1.2E-11
Dichloropropane, 1,2-	1.1E-11
Dichloroethylene, cis-1,2-	1.0E-11
HexaCDF, 1,2,3,7,8,9-	9.2E-12
Ethylbenzene	8.4E-12
Chloroethane	7.1E-12
Trichlorofluoromethane (Freon 11)	6.8E-12
Bromochloromethane	6.8E-12
methyl tert-butyl ether	6.1E-12
HeptaCDF, 1,2,3,4,7,8,9-	6.0E-12
Benzo(g,h,i)perylene	5.9E-12
Propylene oxide	4.3E-12
Dichloroethylene-1,2 (trans)	3.5E-12
Dichlorodifluoromethane	3.4E-12
Dichloroethane 1,1-	3.3E-12
HeptaCDD, 1,2,3,4,6,7,8-	2.2E-12
Methyl methacrylate	1.1E-12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)	4.5E-13
Dioxane, 1,4-	4.0E-13
Dibenz(a,h)anthracene	1.6E-13
Acrylic Acid	4.0E-14

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
1-Hexane (n-hexane)	7.1E-15
2,5-Dimethylfuran	NC
2,5-Dione, 3-hexene	NC
2-Methyl octane	NC
3-Hexen-2-one	NC
3-Penten-2-one (ethylidene acetone)	NC
9-Octadecenamide (oleamide)	NC
Benzo(e)pyrene	NC
Benzoic acid, methyl ester (methyl benzoate)	NC
delta-BHC	NC
Diallate	NC
Endosulfan II	NC
Endosulfan sulfate	NC
Endrin aldehyde	NC
Endrin ketone	NC
Isopropyl toluene, p-	NC
Perylene	NC
Phosphine imide, P,P,P-triphenyl	NC
Total (b)	2.0E-02
R_4 resident farmer	
Nitrogen dioxide	1.5E-02
Arsenic	1.1E-02
Chlorine	3.7E-03
Sulfur dioxide	2.9E-03
Hydrogen chloride	1.7E-03
Beryllium	4.2E-04
Cadmium	1.7E-04
Lead	3.5E-05
Nickel	2.8E-05
Copper	2.0E-05
Mercury	1.6E-05
Mercuric chloride	4.1E-06
Hexachlorobenzene	3.6E-06
Chlorophenyl-phenylether, 4-	3.2E-06
Benzidine	2.4E-06
Dibromo-3-chloropropane, 1,2-	1.9E-06
Chloroform (Trichloromethane)	1.2E-06
Hexachlorocyclopentadiene	8.2E-07
Thallium (I)	5.2E-07
4,6-Dinitro-2-methylphenol	4.8E-07
Vanadium	2.7E-07
Manganese	2.6E-07
Pentachlorophenol	2.3E-07
Silver	1.5E-07
PentaCDF, 2,3,4,7,8-	1.5E-07
Tetrachloroethylene (Perchloroethylene)	1.2E-07
Nitrosodipropylamine, n-	1.0E-07
Barium	1.0E-07
Zinc	8.4E-08
Fluoranthene	7.1E-08
Chromium	6.5E-08
Chromium, hexavalent	6.5E-08
Aluminum	6.4E-08
Bromoform (tribromomethane)	6.0E-08
Antimony	5.7E-08
Benzoic Acid	4.9E-08
Dinitrotoluene, 2,4-	4.8E-08
Chlorobenzene	4.5E-08
Ethylhexyl phthalate, bis-2-	4.4E-08
Benzene	4.3E-08
Selenium	4.3E-08
Dibromochloromethane	3.9E-08
Dinitrotoluene, 2,6-	3.9E-08
Bromodichloromethane	3.0E-08
Methylene chloride	2.7E-08
Dinitrophenol, 2,4-	2.7E-08
Methyl bromide (Bromomethane)	2.6E-08
Nitrophenol, 4-	2.5E-08
Nitroaniline, 3-	2.5E-08

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Chloronaphthalene, 2-	2.4E-08
3-Penten-2-one, 4-methyl	2.0E-08
Dichlorobenzidine, 3,3'-	2.0E-08
Methylene bromide	1.9E-08
Pentachloronitrobenzene (PCNB)	1.5E-08
Dimethylphenol, 2,4-	1.1E-08
Acrylonitrile	1.1E-08
Chlorobenzilate	1.1E-08
Nitrophenol, 2-	9.6E-09
Carbazole	8.6E-09
Dinitrobenzene, 1,3-	7.8E-09
Carbon Tetrachloride	7.8E-09
Benzyl alcohol	7.6E-09
Methyl ethyl ketone (2-Butanone)	7.6E-09
Benzaldehyde	7.1E-09
Toluene	7.0E-09
Heptachlor	6.3E-09
Nitroaniline, 4-	5.7E-09
Benzonitrile	5.4E-09
Di-n-butyl phthalate	5.4E-09
Aniline	5.1E-09
TetraCDF, 2,3,7,8-	4.8E-09
Carbon Disulfide	4.4E-09
Phenol	4.3E-09
Endrin	3.6E-09
Heptachlor epoxide	3.6E-09
Phenanthrene	3.3E-09
Cobalt	3.2E-09
Chlorophenol, 2-	3.1E-09
Chloroaniline, p-	3.0E-09
HexaCDF, 1,2,3,6,7,8-	2.9E-09
Acetone	2.8E-09
HexaCDF, 2,3,4,6,7,8-	2.7E-09
Methyl chloride (Chloromethane)	2.6E-09
Trichlorobenzene, 1,2,3-	2.5E-09
Acetophenone	2.5E-09
Bromophenyl-phenylether, 4-	2.4E-09
Chloro-3-methylphenol, 4-	2.4E-09
Hexachloro-1,3-butadiene (Perchlorobutadiene)	2.3E-09
Cresol, o-	2.3E-09
N-nitrosodimethylamine	2.0E-09
HexaCDF, 1,2,3,4,7,8-	1.8E-09
HexaCDD, 1,2,3,4,7,8-	1.7E-09
Butylbenzylphthalate	1.6E-09
Dichlorobenzene, 1,3-	1.5E-09
Diethyl phthalate	1.5E-09
PentaCDF, 1,2,3,7,8-	1.5E-09
Tetrachloroethane, 1,1,2,2-	1.4E-09
Vinyl Acetate	1.4E-09
Dichloropropene, 1,3- (cis)	1.3E-09
PentaCDD, 1,2,3,7,8-	1.2E-09
Bis(2-chloroethoxy) methane	1.2E-09
Trichlorophenol, 2,4,5-	1.2E-09
Nitrobenzene	1.1E-09
Nitroaniline, 2-	1.1E-09
Benzo(b)fluoranthene	1.1E-09
2,5-Dimethylheptane	1.0E-09
Naphthalene	1.0E-09
2-Hexanone	1.0E-09
Hexachloroethane (Perchloroethane)	1.0E-09
Cresol, m-	1.0E-09
Cresol, p-	1.0E-09
Dimethyl phthalate	9.8E-10
Endosulfan I	9.5E-10
Dichlorophenol, 2,4-	9.4E-10
Trichlorophenol, 2,4,6-	9.2E-10
Acenaphthylene	8.8E-10
Chlordane	8.7E-10
Pyridine	8.1E-10
BHC, beta-	8.0E-10
Dibenzofuran	7.7E-10

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
Diphenylamine	7.6E-10
Bromobenzene	7.3E-10
Aldrin	7.1E-10
Isophorone	6.9E-10
Tetrachlorobenzene, 1,2,4,5-	6.9E-10
Nitrosodiphenylamine, N-	6.9E-10
TetraCDD, 2,3,7,8-	6.8E-10
Pentachlorobenzene	6.4E-10
Di-n-octylphthalate	6.4E-10
Trichlorobenzene, 1,2,4-	5.8E-10
Xylene, m-	5.7E-10
Xylene, p-	5.7E-10
Diphenylhydrazine, 1,2-	5.1E-10
Trichloropropane, 1,2,3-	4.5E-10
Butylbenzene, sec	4.3E-10
Chrysene	4.2E-10
1,1-Dichloropropene	3.7E-10
Xylene, o-	3.7E-10
Trichloroethane, 1,1,2-	3.5E-10
3-Ethyl benzaldehyde	3.5E-10
Aroclor 1254	3.4E-10
Dieldrin	3.4E-10
BHC, alpha-	3.1E-10
Styrene	3.0E-10
Iodomethane	3.0E-10
Bis(2-chlorethyl)ether	3.0E-10
2,2'-oxybis (1-Chloropropane)	2.8E-10
DDT, 4,4'-	2.6E-10
Benzo(a)Anthracene	2.3E-10
Benzo(k)fluoranthene	2.3E-10
OctaCDF, 1,2,3,4,6,7,8,9-	2.1E-10
4-Ethyl benzaldehyde	1.9E-10
Indeno(1,2,3-cd) pyrene	1.7E-10
gamma-BHC (Lindane)	1.7E-10
HexaCDD, 1,2,3,7,8,9-	1.7E-10
Methyl isobutyl ketone	1.6E-10
Benzo(a)pyrene	1.5E-10
Ethylene dibromide	1.4E-10
HexaCDD, 1,2,3,6,7,8-	1.4E-10
Tetrahydrofuran	1.3E-10
1,3-Dichloropropane	1.1E-10
Butylbenzene, n-	1.1E-10
Dichloroethylene, 1,1-	1.0E-10
2,2-Dichloropropane	1.0E-10
Butylbenzene, tert	1.0E-10
Tetrachloroethane, 1,1,1,2-	9.7E-11
DDD, 4,4'-	9.7E-11
Trichloroethane, 1,1,1-	8.9E-11
Trichloroethylene	8.2E-11
Vinyl Chloride	8.2E-11
Acenaphthene	7.5E-11
Pyrene	7.2E-11
HeptaCDF, 1,2,3,4,6,7,8-	7.1E-11
Trimethylbenzene, 1,3,5-	7.1E-11
2-Methylnaphthalene	6.3E-11
Dichlorobenzene, 1,2-	6.1E-11
Dichloroethane, 1,2- (Ethylene Dichloride)	5.5E-11
Anthracene	4.7E-11
Methoxychlor	4.0E-11
OctaCDD, 1,2,3,4,6,7,8,9-	3.8E-11
Dichlorobenzene, 1,4-	3.6E-11
DDE, 4,4'-	3.3E-11
Cumene (Isopropylbenzene)	3.2E-11
2-Chlorotoluene	2.8E-11
4-Chlorotoluene	2.8E-11
Ethylene Glycol	2.7E-11
Fluorene	2.4E-11
Propylbenzene, n-	2.3E-11
1,2,4-Trimethylbenzene	2.0E-11
Dichloropropane, 1,2-	1.7E-11
Dichloroethylene, cis-1,2-	1.6E-11

ACUTE INHALATION RISK RESULTS
REACTIVATION FACILITY STACK EMISSIONS

COMPOUND	ACUTE INHALATION HAZARD QUOTIENT (a)
HexaCDF, 1,2,3,7,8,9-	1.5E-11
Ethylbenzene	1.4E-11
Chloroethane	1.2E-11
Trichlorofluoromethane (Freon 11)	1.1E-11
Bromochloromethane	1.1E-11
HeptaCDF, 1,2,3,4,7,8,9-	1.0E-11
Benzo(g,h,i)perylene	1.0E-11
methyl tert-butyl ether	9.9E-12
Propylene oxide	7.0E-12
Dichloroethylene-1,2 (trans)	5.7E-12
Dichlorodifluoromethane	5.6E-12
Dichloroethane 1,1-	5.4E-12
HeptaCDD, 1,2,3,4,6,7,8-	3.7E-12
Methyl methacrylate	1.7E-12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)	7.3E-13
Dioxane, 1,4-	6.5E-13
Dibenz(a,h)anthracene	2.6E-13
Acrylic Acid	6.5E-14
1-Hexane (n-hexane)	1.2E-14
2,5-Dimethylfuran	NC
2,5-Dione, 3-hexene	NC
2-Methyl octane	NC
3-Hexen-2-one	NC
3-Penten-2-one (ethylidene acetone)	NC
9-Octadecenamide (oleamide)	NC
Benzo(e)pyrene	NC
Benzoic acid, methyl ester (methyl benzoate)	NC
delta-BHC	NC
Diallate	NC
Endosulfan II	NC
Endosulfan sulfate	NC
Endrin aldehyde	NC
Endrin ketone	NC
Isopropyl toluene, p-	NC
Perylene	NC
Phosphine imide, P,P,P-triphenyl	NC
Total (b)	4.0E-02

NC = Not calculated.

(a) Acute hazard quotients were calculated for all compounds with stack air emission rates and acute inhalation toxicity criteria.

(b) The total is based on the sum of all chemical-specific hazard quotients regardless of the type of health effects of the summed compounds. A total value summed across all compounds is used as a screening tool only, to determine if additional evaluation for specific types of health effects is warranted (i.e., if the total value is greater than 1).