

Toxic Air Emissions From EMF (Unabated and Abated)

Constituent Emissions

CAS #	COPC	Unabated Streams (DEP15, DEP Vessel Vent)	Abated Streams (DEP18, DEP Vessel Vent)
		g/sec	g/sec
100-41-4	Ethylbenzene	3.34E-10	3.34E-10
100-42-5	Styrene	5.91E-10	1.60E-10
100-44-7	Benzyl chloride	4.31E-10	2.15E-15
101-77-9	4,4-Methylenedianiline	4.31E-10	2.15E-15
103-33-3	Azobenzene	4.31E-10	2.15E-15
10595-95-6	N-Nitrosomethylethylamine	1.69E-05	1.69E-05
106-44-5	p-Cresol (4-methyl phenol)	4.31E-10	2.15E-15
106-46-7	1,4-Dichlorobenzene	1.02E-07	1.01E-07
106-88-7	1,2-Epoxybutane	1.69E-05	1.69E-05
106-89-8	Epichlorohydrin (1-chloro-2,3 epoxypropane)	4.31E-10	2.15E-15
106-93-4	Ethylene dibromide	1.60E-10	1.60E-10
106-99-0	1,3-Butadiene	5.37E-09	5.37E-09
107-02-8	Acrolein	8.68E-09	8.68E-09
107-05-1	3-Chloropropene	5.91E-10	5.91E-10
107-06-2	1,2-Dichloroethane	6.18E-10	1.87E-10
107-13-1	Acrylonitrile	6.34E-09	5.91E-09
107-21-1	Ethylene glycol (1,2-ethanediol)	4.31E-10	2.15E-15
107-98-2	Propylene glycol monomethyl ether	4.31E-10	2.15E-15
108-05-4	vinyl acetate	1.69E-05	1.69E-05
108-10-1	Hexone	2.09E-09	2.09E-09
108-39-4	m-Cresol	4.29E-05	4.29E-05
108-88-3	Toluene	1.26E-09	8.34E-10
108-90-7	Chlorobenzene	6.23E-10	1.93E-10
108-95-2	Phenol	1.34E-07	1.34E-07
109-86-4	2-Methoxyethanol	4.31E-10	2.15E-15
110-54-3	Hexane	3.12E-08	3.12E-08
110-80-5	2-Ethoxyethanol	1.13E-04	1.13E-04
110-82-7	Cyclohexane	5.91E-10	5.91E-10
111-15-9	Ethylene glycol monoethyl ether acetate	4.31E-10	2.15E-15
111-44-4	Bis(2-chloroethyl)ether	4.31E-10	2.15E-15
111-76-2	2-Butoxyethanol	1.69E-05	1.69E-05
1120-71-4	1,3-Propane sultone	4.31E-10	2.15E-15
117-81-7	Bis(2-ethylhexyl)phthalate	1.69E-05	1.69E-05
118-74-1	Hexachlorobenzene	4.31E-10	2.15E-15
121-14-2	2,4-Dinitrotoluene	2.29E-08	2.27E-08
122-66-7	1,2-Diphenylhydrazine	4.31E-10	2.15E-15
123-91-1	1,4-Dioxane	5.91E-09	5.91E-09
124-48-1	Chlorodibromomethane	4.31E-10	2.15E-15
127-18-4	Tetrachloroethene	1.95E-10	1.95E-10
133-06-2	Captan	4.31E-10	2.15E-15
1336-36-3	Aroclors (Total PCB)	2.59E-05	2.59E-05
156-60-5	1,2-trans-Dichloroethene	1.69E-05	1.69E-05
1634-04-4	tert-Butyl methyl ether	1.69E-05	1.69E-05
1746-01-6	2,3,7,8-Tetrachlorodibenzo(p)dioxin (TCDD)	5.65E-17	2.82E-22
189-55-9	Dibenzo[a,i]pyrene	1.69E-05	1.69E-05
189-64-0	Dibenzo[a,h]pyrene	1.69E-05	1.69E-05
191-30-0	Dibenzo(a,l)pyrene	1.69E-05	1.69E-05

Comparison to De Minimis Emission Values and Small Quantity Emission Rates

TAP Averaging period (if applicable)	Unabated Emissions (lb/averaging period)	Above De Minimis	Abated Emissions (lb/averaging period)	Above SQER
year	2.32E-05	No	2.32E-05	No
24-hr	1.13E-07	No	3.05E-08	No
year	3.00E-05	No	1.50E-10	No
year	3.00E-05	No	1.50E-10	No
year	1.17E+00	Yes	1.17E+00	Yes
24-hr	8.21E-08	No	4.10E-13	No
year	7.08E-03	No	7.05E-03	No
24-hr	3.21E-03	No	3.21E-03	No
year	3.00E-05	No	1.50E-10	No
year	1.11E-05	No	1.11E-05	No
year	3.73E-04	No	3.73E-04	No
24-hr	1.65E-06	No	1.65E-06	No
year	4.11E-05	No	4.11E-05	No
year	4.30E-05	No	1.30E-05	No
year	4.41E-04	No	4.11E-04	No
24-hr	8.21E-08	No	4.10E-13	No
24-hr	8.21E-08	No	4.10E-13	No
24-hr	3.21E-03	No	3.21E-03	No
24-hr	3.97E-07	No	3.97E-07	No
24-hr	8.18E-03	No	8.18E-03	No
24-hr	2.41E-07	No	1.59E-07	No
24-hr	1.19E-07	No	3.67E-08	No
24-hr	2.56E-05	No	2.55E-05	No
24-hr	8.21E-08	No	4.10E-13	No
24-hr	5.93E-06	No	5.93E-06	No
24-hr	2.15E-02	No	2.15E-02	No
24-hr	1.12E-07	No	1.12E-07	No
24-hr	8.21E-08	No	4.10E-13	No
year	3.00E-05	No	1.50E-10	No
24-hr	3.21E-03	No	3.21E-03	No
year	3.00E-05	No	1.50E-10	No
year	1.17E+00	Yes	1.17E+00	No
year	3.00E-05	No	1.50E-10	No
year	1.59E-03	No	1.58E-03	No
year	3.00E-05	No	1.50E-10	No
year	4.11E-04	No	4.11E-04	No
year	3.00E-05	No	1.50E-10	No
year	1.35E-05	No	1.35E-05	No
year	3.00E-05	No	1.50E-10	No
year	1.80E+00	Yes	1.80E+00	Yes
24-hr	3.21E-03	No	3.21E-03	No
year	1.17E+00	No	1.17E+00	No
year	3.93E-12	No	1.96E-17	No
year	1.17E+00	Yes	1.17E+00	Yes
year	1.17E+00	Yes	1.17E+00	Yes
year	1.17E+00	Yes	1.17E+00	Yes

Comparison of Unabated Emissions to ASILs

Unabated Ambient Air Impact 1-hr. Conc. (µg/m³)	Unabated Ambient Air Impact 24-hr Conc. (µg/m³)	Unabated Ambient Air Impact Annual Conc. (µg/m³)	ASIL (µg/m³)	Above ASIL	Percent of ASIL
2.93E-09	2.76E-10	9.10E-12	4.00E-01	No	0.00%
5.19E-09	4.88E-10	1.61E-11	9.00E+02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	2.04E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	2.17E-03	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.23E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.59E-04	No	0.29%
3.79E-09	3.56E-10	1.17E-11	6.00E+02	No	0.00%
8.94E-07	8.41E-08	2.77E-09	9.09E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	2.00E+01	No	0.00%
3.79E-09	3.56E-10	1.17E-11	4.35E-02	No	0.00%
1.41E-09	1.32E-10	4.36E-12	1.41E-02	No	0.00%
4.72E-08	4.44E-09	1.46E-10	5.88E-03	No	0.00%
7.63E-08	7.17E-09	2.36E-10	6.00E-02	No	0.00%
5.19E-09	4.88E-10	1.61E-11	1.67E-01	No	0.00%
5.43E-09	5.11E-10	1.68E-11	3.85E-02	No	0.00%
5.57E-08	5.24E-09	1.73E-10	3.45E-03	No	0.00%
3.79E-09	3.56E-10	1.17E-11	4.00E+02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	7.00E+03	No	0.00%
1.48E-04	1.39E-05	4.60E-07	2.00E+02	No	0.00%
1.83E-08	1.72E-09	5.68E-11	3.00E+03	No	0.00%
3.77E-04	3.55E-05	1.17E-06	6.00E+02	No	0.00%
1.11E-08	1.05E-09	3.45E-11	5.00E+03	No	0.00%
5.48E-09	5.15E-10	1.70E-11	1.00E+03	No	0.00%
1.18E-06	1.11E-07	3.66E-09	2.00E+02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	6.00E+01	No	0.00%
2.74E-07	2.57E-08	8.49E-10	7.00E+02	No	0.00%
9.93E-04	9.34E-05	3.08E-06	7.00E+01	No	0.00%
5.19E-09	4.88E-10	1.61E-11	6.00E+03	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.00E+02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.41E-03	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.30E+04	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.45E-03	No	0.00%
1.48E-04	1.39E-05	4.60E-07	4.17E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.96E-03	No	0.00%
2.01E-07	1.89E-08	6.23E-10	1.12E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	4.00E-03	No	0.00%
5.19E-08	4.88E-09	1.61E-10	1.30E-01	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.70E-02	No	0.00%
1.71E-09	1.61E-10	5.30E-12	1.69E-01	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.52E+00	No	0.00%
2.28E-04	2.14E-05	7.07E-07	1.75E-03	No	0.04%
1.48E-04	1.39E-05	4.60E-07	8.07E+02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	3.85E+00	No	0.00%
4.96E-16	4.67E-17	1.54E-18	2.63E-08	No	0.00%
1.48E-04	1.39E-05	4.60E-07	9.09E-05	No	0.51%
1.48E-04	1.39E-05	4.60E-07	9.09E-05	No	0.51%
1.48E-04	1.39E-05	4.60E-07	9.09E-05	No	0.51%

Comparison of Abated Emissions to ASILs

Abated Ambient Air Impact 1-hr. Conc. (µg/m³)	Abated Ambient Air Impact 24-hr Conc. (µg/m³)	Abated Ambient Air Impact Annual Conc. (µg/m³)	ASIL (µg/m³)	Above ASIL	Percent of ASIL
2.93E-09	2.76E-10	9.10E-12	4.00E-01	No	0.00%
1.41E-09	1.32E-10	4.36E-12	9.00E+02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	2.04E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	2.17E-03	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.23E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.59E-04	No	0.29%
1.89E-14	1.78E-15	5.87E-17	6.00E+02	No	0.00%
8.91E-07	8.38E-08	2.76E-09	9.09E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	2.00E+01	No	0.00%
1.89E-14	1.78E-15	5.87E-17	4.35E-02	No	0.00%
1.41E-09	1.32E-10	4.36E-12	1.41E-02	No	0.00%
4.72E-08	4.44E-09	1.46E-10	5.88E-03	No	0.00%
7.63E-08	7.17E-09	2.36E-10	6.00E-02	No	0.00%
5.19E-09	4.88E-10	1.61E-11	1.67E-01	No	0.00%
1.64E-09	1.55E-10	5.10E-12	3.85E-02	No	0.00%
5.19E-08	4.88E-09	1.61E-10	3.45E-03	No	0.00%
1.89E-14	1.78E-15	5.87E-17	4.00E+02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	7.00E+03	No	0.00%
1.48E-04	1.39E-05	4.60E-07	2.00E+02	No	0.00%
1.83E-08	1.72E-09	5.68E-11	3.00E+03	No	0.00%
3.77E-04	3.55E-05	1.17E-06	6.00E+02	No	0.00%
7.33E-09	6.89E-10	2.27E-11	5.00E+03	No	0.00%
1.69E-09	1.59E-10	5.25E-12	1.00E+03	No	0.00%
1.18E-06	1.11E-07	3.65E-09	2.00E+02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	6.00E+01	No	0.00%
2.74E-07	2.57E-08	8.49E-10	7.00E+02	No	0.00%
9.93E-04	9.34E-05	3.08E-06	7.00E+01	No	0.00%
5.19E-09	4.88E-10	1.61E-11	6.00E+03	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.00E+02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.41E-03	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.30E+04	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.45E-03	No	0.00%
1.48E-04	1.39E-05	4.60E-07	4.17E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.96E-03	No	0.00%
2.00E-07	1.88E-08	6.20E-10	1.12E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	4.00E-03	No	0.00%
5.19E-08	4.88E-09	1.61E-10	1.30E-01	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.70E-02	No	0.00%
1.71E-09	1.61E-10	5.30E-12	1.69E-01	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.52E+00	No	0.00%
2.28E-04	2.14E-05	7.07E-07	1.75E-03	No	0.04%
1.48E-04	1.39E-05	4.60E-07	8.07E+02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	3.85E+00	No	0.00%
2.48E-21	2.33E-22	7.70E-24	2.63E-08	No	0.00%
1.48E-04	1.39E-05	4.60E-07	9.09E-05	No	0.51%
1.48E-04	1.39E-05	4.60E-07	9.09E-05	No	0.51%
1.48E-04	1.39E-05	4.60E-07	9.09E-05	No	0.51%

Toxic Air Emissions From EMF (Unabated and Abated)

Constituent Emissions

CAS #	COPC	Unabated Streams (DEP15, DEP Vessel Vent)	Abated Streams (DEP18, DEP Vessel Vent)
		g/sec	g/sec
192-65-4	Dibenzo[a,e]pyrene	1.69E-05	1.69E-05
193-39-5	Indeno(1,2,3-cd)pyrene	1.69E-05	1.69E-05
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo(p)dioxin	4.44E-16	2.22E-21
205-82-3	Benzo[j]fluoranthene	1.00E-09	5.00E-15
205-99-2	Benzo(b)fluoranthene	8.29E-11	4.15E-16
207-08-9	Benzo(k)fluoranthene	1.80E-09	9.02E-15
218-01-9	Chrysene	6.78E-10	3.39E-15
224-42-0	Dibenz[a,i]acridine	1.69E-05	1.69E-05
226-36-8	Dibenz[a,h]acridine	1.69E-05	1.69E-05
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (PCB 118)	7.13E-14	3.56E-19
319-84-6	alpha-BHC	4.31E-10	2.15E-15
319-85-7	beta-BHC	2.44E-12	1.22E-17
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (PCB 77)	5.98E-15	2.99E-20
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (PCB 105)	3.04E-15	1.52E-20
3268-87-9	Octachlorodibenzo(p)dioxin	8.00E-11	4.00E-16
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	4.06E-17	2.03E-22
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo(p)dioxin	7.83E-12	3.91E-17
3697-24-3	5-Methylchrysene	1.69E-05	1.69E-05
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (PCB 156)	1.94E-15	9.68E-21
39001-02-0	Octachlorodibenzofuran	3.41E-11	1.70E-16
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo(p)dioxin	1.91E-16	9.55E-22
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	5.96E-16	2.98E-21
40321-76-4	1,2,3,7,8-Pentachlorodibenzo(p)dioxin	1.25E-16	6.23E-22
50-00-0	Formaldehyde	1.69E-05	1.69E-05
50-32-8	Benzo(a)pyrene	6.81E-09	6.77E-09
510-15-6	Chlorobenzilate	3.29E-10	1.65E-15
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	2.67E-11	1.34E-16
51-79-6	Ethyl carbamate (urethane)	4.31E-10	2.15E-15
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167)	1.03E-15	5.13E-21
532-27-4	2-Chloroacetophenone	4.31E-10	2.15E-15
53-70-3	Dibenz[a,h]anthracene	3.82E-09	1.45E-09
540-73-8	1,2-Dimethylhydrazine	4.31E-10	2.15E-15
542-75-6	1,3-Dichloropropene	4.31E-10	2.15E-15
542-88-1	Bis(chloromethyl)ether	4.31E-10	2.15E-15
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.53E-16	7.63E-22
56-23-5	Carbon tetrachloride	7.36E-10	3.05E-10
56-49-5	3-Methylcholanthrene	1.69E-05	1.69E-05
56-55-3	Benzo(a)anthracene	1.29E-09	6.45E-15
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	2.44E-11	1.22E-16
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	6.67E-11	3.33E-16

Comparison to De Minimis Emission Values and Small Quantity Emission Rates

TAP Averaging period (if applicable)	Unabated Emissions (lb/averaging period)	Above De Minimis	Abated Emissions (lb/averaging period)	Above SQER
year	1.17E+00	Yes	1.17E+00	Yes
year	1.17E+00	Yes	1.17E+00	No
year	3.08E-11	No	1.54E-16	No
year	6.95E-05	No	3.48E-10	No
year	5.77E-06	No	2.88E-11	No
year	1.25E-04	No	6.27E-10	No
year	4.71E-05	No	2.36E-10	No
year	1.17E+00	Yes	1.17E+00	No
year	1.17E+00	Yes	1.17E+00	No
year	4.96E-09	No	2.48E-14	No
year	3.00E-05	No	1.50E-10	No
year	1.70E-07	No	8.48E-13	No
year	4.16E-10	No	2.08E-15	No
year	2.12E-10	No	1.06E-15	No
year	5.56E-06	No	2.78E-11	No
year	2.82E-12	No	1.41E-17	No
year	5.44E-07	No	2.72E-12	No
year	1.17E+00	Yes	1.17E+00	Yes
year	1.35E-10	No	6.73E-16	No
year	2.37E-06	No	1.19E-11	No
year	1.33E-11	No	6.64E-17	No
year	4.15E-11	No	2.07E-16	No
year	8.67E-12	No	4.33E-17	No
year	1.17E+00	No	1.17E+00	No
year	4.74E-04	No	4.71E-04	No
year	2.29E-05	No	1.14E-10	No
year	1.86E-06	No	9.29E-12	No
year	3.00E-05	No	1.50E-10	No
year	7.14E-11	No	3.57E-16	No
24-hr	8.21E-08	No	4.10E-13	No
year	2.66E-04	No	1.01E-04	No
year	3.00E-05	No	1.50E-10	No
year	3.00E-05	No	1.50E-10	No
year	3.00E-05	No	1.50E-10	No
year	1.06E-11	No	5.30E-17	No
year	5.12E-05	No	2.12E-05	No
year	1.17E+00	Yes	1.17E+00	Yes
year	8.97E-05	No	4.48E-10	No
year	1.70E-06	Yes	8.49E-12	No
year	4.63E-06	No	2.32E-11	No

Comparison of Unabated Emissions to ASILs

Unabated Ambient Air Impact 1-hr. Conc. (µg/m³)	Unabated Ambient Air Impact 24-hr Conc. (ug/m³)	Unabated Ambient Air Impact Annual Conc. (µg/m³)	ASIL (µg/m³)	Above ASIL	Percent of ASIL
1.48E-04	1.39E-05	4.60E-07	9.09E-04	No	0.05%
1.48E-04	1.39E-05	4.60E-07	9.09E-03	No	0.01%
3.90E-15	3.67E-16	1.21E-17	2.63E-07	No	0.00%
8.79E-09	8.26E-10	2.72E-11	9.09E-03	No	0.00%
7.29E-10	6.85E-11	2.26E-12	9.09E-03	No	0.00%
1.59E-08	1.49E-09	4.92E-11	9.09E-03	No	0.00%
5.96E-09	5.60E-10	1.85E-11	9.09E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	9.09E-03	No	0.01%
1.48E-04	1.39E-05	4.60E-07	9.09E-03	No	0.01%
6.26E-13	5.89E-14	1.94E-15	2.63E-04	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.30E-03	No	0.00%
2.14E-11	2.02E-12	6.65E-14	2.33E-03	No	0.00%
5.26E-14	4.95E-15	1.63E-16	2.63E-04	No	0.00%
2.68E-14	2.52E-15	8.30E-17	2.63E-04	No	0.00%
7.03E-10	6.61E-11	2.18E-12	2.63E-04	No	0.00%
3.56E-16	3.35E-17	1.11E-18	2.63E-04	No	0.00%
6.88E-11	6.47E-12	2.13E-13	2.63E-06	No	0.00%
1.48E-04	1.39E-05	4.60E-07	9.09E-04	No	0.05%
1.70E-14	1.60E-15	5.28E-17	5.26E-05	No	0.00%
3.00E-10	2.82E-11	9.29E-13	2.63E-04	No	0.00%
1.68E-15	1.58E-16	5.20E-18	2.63E-07	No	0.00%
5.24E-15	4.93E-16	1.63E-17	2.63E-04	No	0.00%
1.10E-15	1.03E-16	3.40E-18	2.63E-08	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.67E-01	No	0.00%
5.99E-08	5.63E-09	1.86E-10	9.09E-04	No	0.00%
2.89E-09	2.72E-10	8.97E-12	3.23E-02	No	0.00%
2.35E-10	2.21E-11	7.28E-13	2.63E-07	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.45E-03	No	0.00%
9.02E-15	8.48E-16	2.80E-17	2.63E-04	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.00E-02	No	0.00%
3.36E-08	3.16E-09	1.04E-10	8.33E-04	No	0.00%
3.79E-09	3.56E-10	1.17E-11	6.25E-06	No	0.00%
3.79E-09	3.56E-10	1.17E-11	6.25E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	7.69E-05	No	0.00%
1.34E-15	1.26E-16	4.16E-18	2.63E-06	No	0.00%
6.47E-09	6.09E-10	2.01E-11	2.38E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.59E-04	No	0.29%
1.13E-08	1.07E-09	3.52E-11	9.09E-03	No	0.00%
2.15E-10	2.02E-11	6.65E-13	5.26E-08	No	0.00%
5.86E-10	5.51E-11	1.82E-12	5.26E-07	No	0.00%

Comparison of Abated Emissions to ASILs

Abated Ambient Air Impact 1-hr. Conc. (µg/m³)	Abated Ambient Air Impact 24-hr Conc. (ug/m³)	Abated Ambient Air Impact Annual Conc. (µg/m³)	ASIL (µg/m³)	Above ASIL	Percent of ASIL
1.48E-04	1.39E-05	4.60E-07	9.09E-04	No	0.05%
1.48E-04	1.39E-05	4.60E-07	9.09E-03	No	0.01%
1.95E-20	1.83E-21	6.04E-23	2.63E-07	No	0.00%
4.39E-14	4.13E-15	1.36E-16	9.09E-03	No	0.00%
3.64E-15	3.43E-16	1.13E-17	9.09E-03	No	0.00%
7.93E-14	7.46E-15	2.46E-16	9.09E-03	No	0.00%
2.98E-14	2.80E-15	9.24E-17	9.09E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	9.09E-03	No	0.01%
1.48E-04	1.39E-05	4.60E-07	9.09E-03	No	0.01%
3.13E-18	2.95E-19	9.71E-21	2.63E-04	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.30E-03	No	0.00%
1.07E-16	1.01E-17	3.32E-19	2.33E-03	No	0.00%
2.63E-19	2.47E-20	8.15E-22	2.63E-04	No	0.00%
1.34E-19	1.26E-20	4.15E-22	2.63E-04	No	0.00%
3.52E-15	3.31E-16	1.09E-17	2.63E-04	No	0.00%
1.78E-21	1.68E-22	5.53E-24	2.63E-04	No	0.00%
3.44E-16	3.23E-17	1.07E-18	2.63E-06	No	0.00%
1.48E-04	1.39E-05	4.60E-07	9.09E-04	No	0.05%
8.51E-20	8.00E-21	2.64E-22	5.26E-05	No	0.00%
1.50E-15	1.41E-16	4.65E-18	2.63E-04	No	0.00%
8.39E-21	7.89E-22	2.60E-23	2.63E-07	No	0.00%
2.62E-20	2.46E-21	8.13E-23	2.63E-04	No	0.00%
5.48E-21	5.15E-22	1.70E-23	2.63E-08	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.67E-01	No	0.00%
5.95E-08	5.60E-09	1.85E-10	9.09E-04	No	0.00%
1.45E-14	1.36E-15	4.49E-17	3.23E-02	No	0.00%
1.17E-15	1.10E-16	3.64E-18	2.63E-07	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.45E-03	No	0.00%
4.51E-20	4.24E-21	1.40E-22	2.63E-04	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.00E-02	No	0.00%
1.28E-08	1.20E-09	3.96E-11	8.33E-04	No	0.00%
1.89E-14	1.78E-15	5.87E-17	6.25E-06	No	0.00%
1.89E-14	1.78E-15	5.87E-17	6.25E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	7.69E-05	No	0.00%
6.70E-21	6.30E-22	2.08E-23	2.63E-06	No	0.00%
2.68E-09	2.52E-10	8.32E-12	2.38E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.59E-04	No	0.29%
5.67E-14	5.33E-15	1.76E-16	9.09E-03	No	0.00%
1.07E-15	1.01E-16	3.33E-18	5.26E-08	No	0.00%
2.93E-15	2.75E-16	9.08E-18	5.26E-07	No	0.00%

Toxic Air Emissions From EMF (Unabated and Abated)

Constituent Emissions

CAS #	COPC	Unabated Streams (DEP15, DEP Vessel Vent)	Abated Streams (DEP18, DEP Vessel Vent)
		g/sec	g/sec
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	1.02E-11	5.09E-17
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (PCB 126)	1.35E-16	6.73E-22
57653-85-7	1,2,3,6,7,8,-Hexachlorodibenzo(p)dioxin	4.20E-16	2.10E-21
57-74-9	Chlordane	1.71E-11	8.54E-17
584-84-9	2,4-Toluene diisocyanate	4.31E-10	2.15E-15
58-89-9	gamma-BHC (Lindane)	4.31E-10	2.15E-15
593-60-2	Bromoethene (Vinyl bromide)	4.31E-10	2.15E-15
59-89-2	Morpholine, 4-Nitroso-	1.21E-08	1.21E-08
60-11-7	Dimethyl aminoazobenzene	1.12E-09	5.61E-15
602-87-9	5-Nitroacenaphthene	1.69E-05	1.69E-05
60-35-5	Acetamide	1.69E-05	1.69E-05
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	1.43E-16	7.14E-22
621-64-7	N-Nitroso-di-n-propylamine	4.89E-07	4.89E-07
624-83-9	Methyl isocyanate	4.31E-10	2.15E-15
62-53-3	Aniline	4.31E-10	2.15E-15
62-75-9	N-Nitrosodimethylamine	2.10E-09	2.10E-09
630-20-6	1,1,1,2-Tetrachloroethane	1.69E-05	1.69E-05
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (PCB 123)	9.52E-17	4.76E-22
67-56-1	Methyl alcohol	1.69E-05	1.69E-05
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	2.12E-16	1.06E-21
67-63-0	Isopropyl alcohol	1.65E-08	1.65E-08
67-66-3	Chloroform	6.31E-10	2.00E-10
67-72-1	Hexachloroethane	2.36E-06	2.36E-06
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (PCB 157)	6.16E-16	3.08E-21
70362-50-4	3,4,4',5-Tetrachlorobiphenyl (PCB 81)	7.25E-17	3.62E-22
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	4.09E-11	2.04E-16
71-43-2	Benzene	9.36E-10	5.05E-10
71-55-6	1,1,1-Trichloroethane	1.98E-10	1.98E-10
72-55-9	4,4-DDE	1.69E-05	1.69E-05
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	3.48E-13	1.74E-18
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (PCB 114)	1.22E-16	6.12E-22
74-83-9	Bromomethane	8.30E-10	3.99E-10
74-87-3	Chloromethane	1.23E-09	7.95E-10
75-00-3	Chloroethane	3.99E-10	3.99E-10
75-01-4	Vinyl chloride	4.05E-10	4.05E-10
75-05-8	Acetonitrile	1.46E-07	1.46E-07
75-07-0	Acetaldehyde	1.69E-05	1.69E-05
75-09-2	Methylenechloride	1.19E-07	1.18E-07
75-21-8	Ethylene oxide (Oxirane)	3.44E-08	3.44E-08
75-25-2	Bromoform	4.31E-10	2.15E-15
75-27-4	Bromodichloromethane	1.69E-05	1.69E-05

Comparison to De Minimis Emission Values and Small Quantity Emission Rates

TAP Averaging period (if applicable)	Unabated Emissions (lb/averaging period)	Above De Minimis	Abated Emissions (lb/averaging period)	Above SQER
year	7.07E-07	No	3.54E-12	No
year	9.36E-12	No	4.68E-17	No
year	2.92E-11	No	1.46E-16	No
year	1.19E-06	No	5.93E-12	No
24-hr	8.21E-08	No	4.10E-13	No
year	3.00E-05	No	1.50E-10	No
24-hr	8.21E-08	No	4.10E-13	No
year	8.43E-04	No	8.43E-04	No
year	7.80E-05	No	3.90E-10	No
year	1.17E+00	Yes	1.17E+00	No
year	1.17E+00	Yes	1.17E+00	No
year	9.93E-12	No	4.97E-17	No
year	3.40E-02	Yes	3.40E-02	No
24-hr	8.21E-08	No	4.10E-13	No
year	3.00E-05	No	1.50E-10	No
year	1.46E-04	No	1.46E-04	No
year	1.17E+00	No	1.17E+00	No
year	6.62E-12	No	3.31E-17	No
24-hr	3.21E-03	No	3.21E-03	No
year	1.47E-11	No	7.37E-17	No
1-hr	1.31E-07	No	1.31E-07	No
year	4.39E-05	No	1.39E-05	No
year	1.64E-01	No	1.64E-01	No
year	4.28E-11	No	2.14E-16	No
year	5.04E-12	No	2.52E-17	No
year	2.84E-06	Yes	1.42E-11	No
year	6.51E-05	No	3.51E-05	No
24-hr	3.77E-08	No	3.77E-08	No
year	1.17E+00	Yes	1.17E+00	No
year	2.42E-08	No	1.21E-13	No
year	8.51E-12	No	4.25E-17	No
24-hr	1.58E-07	No	7.60E-08	No
24-hr	2.34E-07	No	1.51E-07	No
24-hr	7.60E-08	No	7.60E-08	No
year	2.82E-05	No	2.82E-05	No
year	1.01E-02	No	1.01E-02	No
year	1.17E+00	No	1.17E+00	No
year	8.26E-03	No	8.23E-03	No
year	2.39E-03	No	2.39E-03	No
year	3.00E-05	No	1.50E-10	No
year	1.17E+00	Yes	1.17E+00	No

Comparison of Unabated Emissions to ASILs

Unabated Ambient Air Impact 1-hr. Conc. (µg/m³)	Unabated Ambient Air Impact 24-hr Conc. (ug/m³)	Unabated Ambient Air Impact Annual Conc. (µg/m³)	ASIL (µg/m³)	Above ASIL	Percent of ASIL
8.94E-11	8.41E-12	2.77E-13	2.63E-07	No	0.00%
1.18E-15	1.11E-16	3.67E-18	2.63E-07	No	0.00%
3.69E-15	3.47E-16	1.14E-17	2.63E-07	No	0.00%
1.50E-10	1.41E-11	4.65E-13	2.94E-03	No	0.00%
3.79E-09	3.56E-10	1.17E-11	7.00E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.23E-03	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.00E+00	No	0.00%
1.07E-07	1.00E-08	3.30E-10	5.26E-04	No	0.00%
9.86E-09	9.27E-10	3.06E-11	7.69E+04	No	0.00%
1.48E-04	1.39E-05	4.60E-07	2.70E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	5.00E-02	No	0.00%
1.26E-15	1.18E-16	3.89E-18	2.63E-07	No	0.00%
4.30E-06	4.04E-07	1.33E-08	5.00E-04	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.00E+00	No	0.00%
3.79E-09	3.56E-10	1.17E-11	6.25E-01	No	0.00%
1.84E-08	1.73E-09	5.71E-11	2.17E-04	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.35E-01	No	0.00%
8.37E-16	7.87E-17	2.59E-18	2.63E-04	No	0.00%
1.48E-04	1.39E-05	4.60E-07	4.00E+03	No	0.00%
1.86E-15	1.75E-16	5.78E-18	2.63E-06	No	0.00%
1.45E-07	1.36E-08	4.49E-10	3.20E+03	No	0.00%
5.54E-09	5.21E-10	1.72E-11	4.35E-02	No	0.00%
2.07E-05	1.95E-06	6.43E-08	9.09E-02	No	0.00%
5.41E-15	5.09E-16	1.68E-17	5.26E-05	No	0.00%
6.37E-16	5.99E-17	1.98E-18	2.63E-04	No	0.00%
3.59E-10	3.38E-11	1.11E-12	2.63E-07	No	0.00%
8.22E-09	7.74E-10	2.55E-11	3.45E-02	No	0.00%
1.74E-09	1.63E-10	5.39E-12	1.00E+03	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.03E-02	No	0.00%
3.06E-12	2.88E-13	9.48E-15	2.63E-07	No	0.00%
1.08E-15	1.01E-16	3.33E-18	5.26E-05	No	0.00%
7.29E-09	6.86E-10	2.26E-11	5.00E+00	No	0.00%
1.08E-08	1.01E-09	3.34E-11	9.00E+01	No	0.00%
3.51E-09	3.30E-10	1.09E-11	3.00E+04	No	0.00%
3.56E-09	3.35E-10	1.10E-11	1.28E-02	No	0.00%
1.28E-06	1.21E-07	3.98E-09	6.00E+01	No	0.00%
1.48E-04	1.39E-05	4.60E-07	3.70E-01	No	0.00%
1.04E-06	9.82E-08	3.24E-09	1.00E+00	No	0.00%
3.02E-07	2.84E-08	9.38E-10	1.14E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	9.09E-01	No	0.00%
1.48E-04	1.39E-05	4.60E-07	2.70E-02	No	0.00%

Comparison of Abated Emissions to ASILs

Abated Ambient Air Impact 1-hr. Conc. (µg/m³)	Abated Ambient Air Impact 24-hr Conc. (ug/m³)	Abated Ambient Air Impact Annual Conc. (µg/m³)	ASIL (µg/m³)	Above ASIL	Percent of ASIL
4.47E-16	4.20E-17	1.39E-18	2.63E-07	No	0.00%
5.92E-21	5.57E-22	1.83E-23	2.63E-07	No	0.00%
1.84E-20	1.73E-21	5.72E-23	2.63E-07	No	0.00%
7.50E-16	7.06E-17	2.33E-18	2.94E-03	No	0.00%
1.89E-14	1.78E-15	5.87E-17	7.00E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.23E-03	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.00E+00	No	0.00%
1.07E-07	1.00E-08	3.30E-10	5.26E-04	No	0.00%
4.93E-14	4.64E-15	1.53E-16	7.69E+04	No	0.00%
1.48E-04	1.39E-05	4.60E-07	2.70E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	5.00E-02	No	0.00%
6.28E-21	5.90E-22	1.95E-23	2.63E-07	No	0.00%
4.30E-06	4.04E-07	1.33E-08	5.00E-04	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.00E+00	No	0.00%
1.89E-14	1.78E-15	5.87E-17	6.25E-01	No	0.00%
1.84E-08	1.73E-09	5.71E-11	2.17E-04	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.35E-01	No	0.00%
4.18E-21	3.93E-22	1.30E-23	2.63E-04	No	0.00%
1.48E-04	1.39E-05	4.60E-07	4.00E+03	No	0.00%
9.32E-21	8.76E-22	2.89E-23	2.63E-06	No	0.00%
1.45E-07	1.36E-08	4.49E-10	3.20E+03	No	0.00%
1.76E-09	1.65E-10	5.45E-12	4.35E-02	No	0.00%
2.07E-05	1.95E-06	6.43E-08	9.09E-02	No	0.00%
2.71E-20	2.55E-21	8.39E-23	5.26E-05	No	0.00%
3.18E-21	3.00E-22	9.88E-24	2.63E-04	No	0.00%
1.80E-15	1.69E-16	5.57E-18	2.63E-07	No	0.00%
4.44E-09	4.17E-10	1.38E-11	3.45E-02	No	0.00%
1.74E-09	1.63E-10	5.39E-12	1.00E+03	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.03E-02	No	0.00%
1.53E-17	1.44E-18	4.74E-20	2.63E-07	No	0.00%
5.38E-21	5.06E-22	1.67E-23	5.26E-05	No	0.00%
3.51E-09	3.30E-10	1.09E-11	5.00E+00	No	0.00%
6.99E-09	6.57E-10	2.17E-11	9.00E+01	No	0.00%
3.51E-09	3.30E-10	1.09E-11	3.00E+04	No	0.00%
3.56E-09	3.35E-10	1.10E-11	1.28E-02	No	0.00%
1.28E-06	1.20E-07	3.97E-09	6.00E+01	No	0.00%
1.48E-04	1.39E-05	4.60E-07	3.70E-01	No	0.00%
1.04E-06	9.78E-08	3.23E-09	1.00E+00	No	0.00%
3.02E-07	2.84E-08	9.38E-10	1.14E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	9.09E-01	No	0.00%
1.48E-04	1.39E-05	4.60E-07	2.70E-02	No	0.00%



Toxic Air Emissions From EMF (Unabated and Abated)

Constituent Emissions

CAS #	COPC	Unabated Streams (DEP15, DEP Vessel Vent)	Abated Streams (DEP18, DEP Vessel Vent)
		g/sec	g/sec
75-34-3	1,1-Dichloroethane	1.60E-10	1.60E-10
75-35-4	1,1-Dichloroethene	2.52E-10	2.52E-10
75-44-5	Phosgene (hydrogen phosphide)	4.31E-10	2.15E-15
75-45-6	Chlorodifluoromethane	5.91E-10	5.91E-10
76-44-8	Heptachlor	4.31E-10	2.15E-15
77-47-4	Hexachlorocyclopentadiene	4.31E-10	2.15E-15
78-87-5	1,2-Dichloropropane	1.60E-10	1.60E-10
78-93-3	2-Butanone	6.44E-08	6.40E-08
79-00-5	1,1,2-Trichloroethane	1.87E-10	1.87E-10
79-01-6	Trichloroethene	6.44E-10	2.13E-10
79-10-7	2-Propenoic acid	1.69E-05	1.69E-05
79-34-5	1,1,2,2-Tetrachloroethane	1.88E-10	1.88E-10
79-46-9	2-Nitropropane	3.95E-08	3.95E-08
80-62-6	Methyl methacrylate	4.31E-10	2.15E-15
822-06-0	Hexamethylene-1,5-diisocyanate	4.31E-10	2.15E-15
85-44-9	Phthalic anhydride (1,2-benzenedicarboxylic anhydride)	4.31E-10	2.15E-15
87-68-3	Hexachlorobutadiene	1.01E-07	1.01E-07
87-86-5	Pentachlorophenol	9.76E-08	9.76E-08
88-06-2	2,4,6-Trichlorophenol	1.68E-06	1.68E-06
90-04-0	o-Anisidine	4.31E-10	2.15E-15
91-20-3	Naphthalene	5.29E-05	5.29E-05
91-94-1	3,3'-Dichlorobenzidine	1.26E-09	6.29E-15
924-16-3	N-Nitroso-di-n-Buetylamine	4.31E-10	2.15E-15
94-59-7	Safrole (5-(2-Propenyl)-1,3-benzodioxole)	4.31E-10	2.15E-15
95-48-7	2-Methylphenol	5.96E-05	5.96E-05
95-53-4	o-Toluidine	4.31E-10	2.15E-15
96-12-8	1,2-Dibromo-3-chloropropane	4.31E-10	2.15E-15
96-18-4	1,2,3-Trichloropropane	4.31E-10	2.15E-15
96-45-7	Ethylene thiourea	4.31E-10	2.15E-15
98-82-8	Isopropylbenzene	1.69E-05	1.69E-05
10028-15-6	Ozone	0	0
10102-44-0	Nitrogen dioxide	0	0
18540-29-9	Chromium VI	1.44E-05	7.20E-11
593-74-8	Dimethyl Mercury	5.29E-07	5.29E-07
630-08-0	Carbon monoxide	0	0
7439-97-6	Mercury	1.48E-07	7.38E-13
7440-43-9	Cadmium	4.06E-07	2.03E-12
7440-48-4	Cobalt	8.02E-08	4.01E-13
7440-62-2	Vanadium	1.33E-07	6.63E-13
7647-01-0	Hydrogen chloride	0	0
7664-39-3	Hydrogen Fluoride	0	0
7664-41-7	Ammonia	1.01E-01	1.01E-01
7723-14-0	Phosphorus	0	0
7782-41-4	Fluorine gas	0	0
7782-50-5	Chlorine	0	0

Comparison to De Minimis Emission Values and Small Quantity Emission Rates

TAP Averaging period (if applicable)	Unabated Emissions (lb/averaging period)	Above De Minimis	Abated Emissions (lb/averaging period)	Above SQER
year	1.11E-05	No	1.11E-05	No
24-hr	4.79E-08	No	4.79E-08	No
24-hr	8.21E-08	No	4.10E-13	No
24-hr	1.12E-07	No	1.12E-07	No
year	3.00E-05	No	1.50E-10	No
24-hr	8.21E-08	No	4.10E-13	No
year	1.11E-05	No	1.11E-05	No
24-hr	1.23E-05	No	1.22E-05	No
year	1.30E-05	No	1.30E-05	No
year	4.48E-05	No	1.48E-05	No
24-hr	3.21E-03	No	3.21E-03	No
year	1.30E-05	No	1.30E-05	No
24-hr	7.52E-06	No	7.52E-06	No
24-hr	8.21E-08	No	4.10E-13	No
24-hr	8.21E-08	No	4.10E-13	No
24-hr	8.21E-08	No	4.10E-13	No
year	7.05E-03	No	7.05E-03	No
year	6.78E-03	No	6.78E-03	No
year	1.17E-01	No	1.17E-01	No
year	3.00E-05	No	1.50E-10	No
year	3.68E+00	Yes	3.68E+00	No
year	8.75E-05	No	4.37E-10	No
year	3.00E-05	No	1.50E-10	No
year	3.00E-05	No	1.50E-10	No
24-hr	1.14E-02	No	1.14E-02	No
year	3.00E-05	No	1.50E-10	No
year	3.00E-05	No	1.50E-10	No
24-hr	8.21E-08	No	4.10E-13	No
year	3.00E-05	No	1.50E-10	No
24-hr	3.21E-03	No	3.21E-03	No
1-hr	0	No	0	No
1-hr	0	No	0	No
year	1.00E+00	Yes	5.00E-06	No
24-hr	1.01E-04	Yes	1.01E-04	Yes
1-hr	0	No	0	No
24-hr	2.81E-05	No	1.41E-10	No
year	2.82E-02	Yes	1.41E-07	No
24-hr	1.53E-05	No	7.64E-11	No
24-hr	2.53E-05	No	1.26E-10	No
24-hr	0	No	0	No
24-hr	0	No	0	No
24-hr	1.92E+01	Yes	1.92E+01	Yes
24-hr	0	No	0	No
24-hr	0	No	0	No
24-hr	0	No	0	No

Comparison of Unabated Emissions to ASILs

Unabated Ambient Air Impact 1-hr. Conc. (µg/m³)	Unabated Ambient Air Impact 24-hr Conc. (µg/m³)	Unabated Ambient Air Impact Annual Conc. (µg/m³)	ASIL (µg/m³)	Above ASIL	Percent of ASIL
1.41E-09	1.32E-10	4.36E-12	6.25E-01	No	0.00%
2.21E-09	2.08E-10	6.86E-12	2.00E+02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.00E-01	No	0.00%
5.19E-09	4.88E-10	1.61E-11	5.00E+04	No	0.00%
3.79E-09	3.56E-10	1.17E-11	7.69E-05	No	0.00%
3.79E-09	3.56E-10	1.17E-11	2.00E-01	No	0.00%
1.41E-09	1.32E-10	4.36E-12	1.00E-01	No	0.00%
5.66E-07	5.32E-08	1.76E-09	5.00E+03	No	0.00%
1.65E-09	1.55E-10	5.11E-12	6.25E-02	No	0.00%
5.66E-09	5.32E-10	1.75E-11	5.00E-01	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.00E+00	No	0.00%
1.65E-09	1.55E-10	5.11E-12	1.72E-02	No	0.00%
3.47E-07	3.26E-08	1.08E-09	2.00E+01	No	0.00%
3.79E-09	3.56E-10	1.17E-11	7.00E+02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	7.00E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	2.00E+01	No	0.00%
8.91E-07	8.38E-08	2.76E-09	4.55E-02	No	0.00%
8.57E-07	8.06E-08	2.66E-09	2.17E-01	No	0.00%
1.48E-05	1.39E-06	4.58E-08	5.00E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	2.50E-02	No	0.00%
4.65E-04	4.37E-05	1.44E-06	2.94E-02	No	0.00%
1.11E-08	1.04E-09	3.43E-11	2.94E-03	No	0.00%
3.79E-09	3.56E-10	1.17E-11	3.23E-04	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.59E-02	No	0.00%
5.24E-04	4.93E-05	1.62E-06	6.00E+02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.96E-02	No	0.00%
3.79E-09	3.56E-10	1.17E-11	5.26E-04	No	0.00%
3.79E-09	3.56E-10	1.17E-11	1.84E+00	No	0.00%
3.79E-09	3.56E-10	1.17E-11	7.69E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	4.00E+02	No	0.00%
0	0	0	1.80E+02	No	0.00%
0	0	0	4.70E+02	No	0.00%
1.26E-04	1.19E-05	3.92E-07	6.67E-06	No	5.88%
4.64E-06	4.37E-07	1.44E-08	1.00E-99	Yes	>100%
0	0	0	2.30E+04	No	0.00%
1.30E-06	1.22E-07	4.02E-09	9.00E-02	No	0.00%
3.57E-06	3.35E-07	1.11E-08	2.38E-04	No	0.00%
7.05E-07	6.63E-08	2.19E-09	1.00E-01	No	0.00%
1.17E-06	1.10E-07	3.62E-09	2.00E-01	No	0.00%
0	0	0	9.00E+00	No	0.00%
0	0	0	1.40E+01	No	0.00%
8.84E-01	8.32E-02	2.74E-03	7.08E+01	No	0.12%
0	0	0	2.00E+01	No	0.00%
0	0	0	1.58E+01	No	0.00%
0	0	0	2.00E-01	No	0.00%

Comparison of Abated Emissions to ASILs

Abated Ambient Air Impact 1-hr. Conc. (µg/m³)	Abated Ambient Air Impact 24-hr Conc. (µg/m³)	Abated Ambient Air Impact Annual Conc. (µg/m³)	ASIL (µg/m³)	Above ASIL	Percent of ASIL
1.41E-09	1.32E-10	4.36E-12	6.25E-01	No	0.00%
2.21E-09	2.08E-10	6.86E-12	2.00E+02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.00E-01	No	0.00%
5.19E-09	4.88E-10	1.61E-11	5.00E+04	No	0.00%
1.89E-14	1.78E-15	5.87E-17	7.69E-05	No	0.00%
1.89E-14	1.78E-15	5.87E-17	2.00E-01	No	0.00%
1.41E-09	1.32E-10	4.36E-12	1.00E-01	No	0.00%
5.62E-07	5.29E-08	1.74E-09	5.00E+03	No	0.00%
1.65E-09	1.55E-10	5.11E-12	6.25E-02	No	0.00%
1.87E-09	1.76E-10	5.80E-12	5.00E-01	No	0.00%
1.48E-04	1.39E-05	4.60E-07	1.00E+00	No	0.00%
1.65E-09	1.55E-10	5.11E-12	1.72E-02	No	0.00%
3.47E-07	3.26E-08	1.08E-09	2.00E+01	No	0.00%
1.89E-14	1.78E-15	5.87E-17	7.00E+02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	7.00E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	2.00E+01	No	0.00%
8.91E-07	8.38E-08	2.76E-09	4.55E-02	No	0.00%
8.57E-07	8.06E-08	2.66E-09	2.17E-01	No	0.00%
1.48E-05	1.39E-06	4.58E-08	5.00E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	2.50E-02	No	0.00%
4.65E-04	4.37E-05	1.44E-06	2.94E-02	No	0.00%
5.53E-14	5.20E-15	1.71E-16	2.94E-03	No	0.00%
1.89E-14	1.78E-15	5.87E-17	3.23E-04	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.59E-02	No	0.00%
5.24E-04	4.93E-05	1.62E-06	6.00E+02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.96E-02	No	0.00%
1.89E-14	1.78E-15	5.87E-17	5.26E-04	No	0.00%
1.89E-14	1.78E-15	5.87E-17	1.84E+00	No	0.00%
1.89E-14	1.78E-15	5.87E-17	7.69E-02	No	0.00%
1.48E-04	1.39E-05	4.60E-07	4.00E+02	No	0.00%
0	0	0	1.80E+02	No	0.00%
0	0	0	4.70E+02	No	0.00%
6.32E-10	5.95E-11	1.96E-12	6.67E-06	No	0.00%
4.64E-06	4.37E-07	1.44E-08	1.00E-99	Yes	>100%
0	0	0	2.30E+04	No	0.00%
6.49E-12	6.10E-13	2.01E-14	9.00E-02	No	0.00%
1.78E-11	1.68E-12	5.53E-14	2.38E-04	No	0.00%
3.52E-12	3.31E-13	1.09E-14	1.00E-01	No	0.00%
5.83E-12	5.48E-13	1.81E-14	2.00E-01	No	0.00%
0	0	0	9.00E+00	No	0.00%
0	0	0	1.40E+01	No	0.00%
8.84E-01	8.32E-02	2.74E-03	7.08E+01	No	0.12%
0	0	0	2.00E+01	No	0.00%
0	0	0	1.58E+01	No	0.00%
0	0	0	2.00E-01	No	0.00%

See Nonradioactive Air Emissions Notice of Construction Permit Application for the WTP Effluent Management Facility (24590-WTP-RPT-ENV-15-007, Rev 0), Appendix A.