

TABLE B.3.6–2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
CAS No.: 79005												
235	Drum Sampling - Building Area 1	W	A	1,1,2-trichloroethane	267209	3912603	1.01E+00	1.27E-01	8.34E+00	1.20E-04	6.36E-02	3.18E-02
CAS No.: 106990												
2	Diesel Engines	S	A	1,3-butadiene	267138	3910516	1.98E+00	2.49E-01	1.05E+02	1.51E-03	2.49E-01	2.49E-01
14	Standby Diesel Generators (12-108)	S	A	1,3-butadiene	267507	3910490	2.33E-01	2.94E-02	8.40E+00	1.21E-04	2.94E-02	2.94E-02
70	12-5B	W	V	1,3-butadiene	267785	3910973	2.17E-02	2.73E-03	7.60E-01	1.09E-05	1.36E-03	6.82E-04
Total for 1,3-butadiene							2.23E+00	2.82E-01	1.14E+02	1.64E-03	2.80E-01	2.79E-01
CAS No.: 79469												
235	Drum Sampling - Building Area 1	W	A	2- nitropropane	267209	3912603	5.00E-01	6.30E-02	3.76E+00	5.41E-05	3.15E-02	1.58E-02
CAS No.: No Number												
204	12-19 North Rotoclone	S	V	Alcohols	267680	3910275	6.50E+00	8.19E-01	2.60E+03	3.74E-02	8.19E-01	8.19E-01
235	Bulk Transport-Building Area 1	W	A	Alcohols	267209	3912603	4.37E+00	5.51E-01	1.10E+01	1.58E-04	2.75E-01	1.38E-01
235	Drum Sampling-Building Area 1	W	A	Alcohols	267209	3912603	1.51E+00	1.90E-01	1.40E-01	2.02E-06	9.51E-02	4.76E-02
Total for alcohols							1.24E+01	1.56E+00	2.61E+03	3.76E-02	1.19E+00	1.00E+00
CAS No.: 71432												
180	11-2 Water Heaters, Natural Gas	S	V	Benzene	266711	3910086	2.21E-04	2.78E-05	5.36E-01	7.72E-06	2.78E-05	2.78E-05
164	11-27 Furnaces, Natural Gas	S	V	Benzene	266716	3910060	1.21E-04	1.52E-05	2.92E-01	4.20E-06	1.52E-05	1.52E-05
165	11-29 Furnaces, Natural Gas	S	V	Benzene	266739	3910123	1.41E-02	1.78E-03	3.41E-01	4.91E-06	1.78E-03	1.78E-03
166	11-30 Furnaces, Natural Gas	S	V	Benzene	266620	3910690	NA	NA	6.00E-02	8.64E-07	8.64E-07	8.64E-07
158	11-36 Boiler, Natural Gas	S	V	Benzene	266281	3910425	3.20E-05	4.03E-06	2.16E-01	3.11E-06	4.03E-06	4.03E-06
159	11-43 Boiler, Natural Gas	S	V	Benzene	266465	3910193	1.08E-04	1.36E-05	7.55E-01	1.09E-05	1.36E-05	1.36E-05
181	11-48 Water Heaters, Natural Gas	S	V	Benzene	266556	3910123	6.48E-05	8.16E-06	1.57E-01	2.26E-06	8.16E-06	8.16E-06
42	11-51	W	V	Benzene	266292	3910088	2.40E-05	3.02E-06	5.00E-02	7.20E-07	1.51E-06	7.56E-07
172	12-100 Furnaces, Natural Gas	S	V	Benzene	267312	3910811	7.37E-05	9.29E-06	1.76E-01	2.53E-06	9.29E-06	9.29E-06
173	12-101 Furnaces, Natural Gas	S	V	Benzene	267788	3910873	8.18E-05	1.03E-05	1.97E-01	2.84E-06	1.03E-05	1.03E-05

TABLE B.3.6–2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
174	12-102 Furnaces, Natural Gas	S	V	Benzene	267715	3910718	1.01E-04	1.27E-05	2.44E-01	3.51E-06	1.27E-05	1.27E-05
175	12-106 Furnaces, Natural Gas	S	V	Benzene	267688	3910796	9.69E-05	1.22E-05	2.37E-01	3.41E-06	1.22E-05	1.22E-05
176	12-106A Furnaces, Natural Gas	S	V	Benzene	267675	3910761	1.44E-04	1.81E-05	3.52E-01	5.07E-06	1.81E-05	1.81E-05
177	12-107 Furnaces, Natural Gas	S	V	Benzene	267692	3910852	2.02E-04	2.55E-05	4.81E-01	6.93E-06	2.55E-05	2.55E-05
178	12-112 Furnaces, Natural Gas	S	V	Benzene	267223	3910963	7.06E-05	8.90E-06	1.72E-01	2.48E-06	8.90E-06	8.90E-06
187	12-112 Water Heaters, Natural Gas	S	V	Benzene	267223	3910963	1.48E-05	1.86E-06	3.60E-02	5.18E-07	1.86E-06	1.86E-06
179	12-113 Furnaces, Natural Gas	S	V	Benzene	267365	3910842	6.56E-05	8.27E-06	1.59E-01	2.29E-06	8.27E-06	8.27E-06
168	12-28 Furnaces, Natural Gas	S	V	Benzene	267788	3910703	4.84E-05	6.10E-06	1.19E-01	1.71E-06	6.10E-06	6.10E-06
169	12-36 Furnaces, Natural Gas	S	V	Benzene	267393	3911010	8.08E-05	1.02E-05	1.95E-01	2.81E-06	1.02E-05	1.02E-05
170	12-39 Furnaces, Natural Gas	S	V	Benzene	267378	3910887	2.02E-05	2.55E-06	4.88E-02	7.03E-07	2.55E-06	2.55E-06
185	12-39 Water Heaters, Natural Gas	S	V	Benzene	267378	3910887	6.48E-05	8.16E-06	1.57E-01	2.26E-06	8.16E-06	8.16E-06
171	12-39A Furnaces, Natural Gas	S	V	Benzene	267350	3910889	4.64E-05	5.85E-06	1.10E-01	1.58E-06	5.85E-06	5.85E-06
182	12-5 Water Heaters, Natural Gas	S	V	Benzene	267872	3910891	1.15E-04	1.45E-05	2.80E-01	4.03E-06	1.45E-05	1.45E-05
70	12-5B	W	V	Benzene	267785	3910973	2.43E-02	3.06E-03	8.50E-01	1.22E-05	1.53E-03	7.65E-04
167	12-6 Furnaces, Natural Gas	S	V	Benzene	267846	3910820	1.61E-05	2.03E-06	3.80E-02	5.47E-07	2.03E-06	2.03E-06
183	12-6 Water Heaters, Natural Gas	S	V	Benzene	267846	3910820	4.44E-05	5.59E-06	1.08E-01	1.56E-06	5.59E-06	5.59E-06
9	12-68	S	V	Benzene	267845	3910587	4.00E-04	5.04E-05	1.60E+00	2.30E-05	5.04E-05	5.04E-05
184	12-7 Water Heaters, Natural Gas	S	V	Benzene	267827	3910839	1.60E-05	2.02E-06	3.80E-02	5.47E-07	2.02E-06	2.02E-06
186	12-75 Water Heaters, Natural Gas	S	V	Benzene	267279	3910707	2.70E-04	3.40E-05	6.52E-01	9.39E-06	3.40E-05	3.40E-05
188	16-10 Water Heaters, Natural Gas	S	V	Benzene	265891	3911244	2.02E-04	2.55E-05	4.88E-01	7.03E-06	2.55E-05	2.55E-05
189	16-12 Water Heaters, Natural Gas	S	V	Benzene	268836	3911272	5.40E-04	6.80E-05	1.30E+00	1.87E-05	6.80E-05	6.80E-05
190	16-15 Water Heaters, Natural Gas	S	V	Benzene	265822	3911413	6.24E-04	7.86E-05	1.51E+00	2.17E-05	7.86E-05	7.86E-05
161	9-4 Furnaces, Natural Gas	S	V	Benzene	263530	3909933	2.52E-05	3.18E-06	6.16E-02	8.87E-07	3.18E-06	3.18E-06
162	9-5 Furnaces, Natural Gas	S	V	Benzene	263502	3909982	2.52E-05	3.18E-06	6.16E-02	8.87E-07	3.18E-06	3.18E-06
163	9-6 Furnaces, Natural Gas	S	V	Benzene	263407	3910183	2.52E-05	3.18E-06	6.16E-02	8.87E-07	3.18E-06	3.18E-06
2	Diesel Engines	S	A	Benzene	267138	3910516	2.25E+00	2.84E-01	1.19E+02	1.71E-03	2.84E-01	2.84E-01

TABLE B.3.6-2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
235	Drum Sampling - Building Area 1	W	A	Benzene	267209	3912603	5.10E-01	6.43E-02	8.42E+00	1.21E-04	3.21E-02	1.61E-02
15	Gasoline Engines	S	A	Benzene	267272	3910461	2.65E-02	3.34E-03	9.00E-01	1.30E-05	3.34E-03	3.34E-03
1	Natural Gas Boilers (16-13)	S	P	Benzene	266865	3910813	1.92E-02	2.42E-03	5.00E+01	7.20E-04	2.42E-03	2.42E-03
14	Standby Diesel Generators (12-108)	S	A	Benzene	267507	3910490	2.58E-01	3.25E-02	9.30E+00	1.34E-04	3.25E-02	3.25E-02
Total for Benzene							3.11E+00	3.91E-01	1.99E+02	2.91E-03	3.58E-01	3.41E-01
CAS No.: 75150												
235	Drum Sampling - Building Area 1	W	A	Carbon Disulfide	267209	3912603	1.32E+00	1.66E-01	5.96E+01	8.59E-04	8.32E-02	4.16E-02
CAS No.: 56235												
235	Drum Sampling - Building Area 1	W	A	Carbon Tetrachloride	267209	3912603	1.15E+00	1.45E-01	3.44E+01	4.95E-04	7.25E-02	3.62E-02
CAS No.: 108907												
235	Bulk Transport - Building Area 1	W	A	Chlorobenzene	267209	3912603	7.10E-01	8.95E-02	8.56E-01	1.23E-05	4.47E-02	2.24E-02
235	Drum Sampling - Building Area 1	W	A	Chlorobenzene	267209	3912603	4.30E-01	5.42E-02	3.08E+00	4.44E-05	2.71E-02	1.35E-02
Total for Chlorobenzene							1.14E+00	1.44E-01	3.94E+00	5.67E-05	7.18E-02	3.59E-02
CAS No.: 7440473												
80	10-2	W	V	Chromium	264828	3909243	2.00E-07	2.52E-08	0.00E+00	0.00E+00	1.26E-08	6.30E-09
22	16-7	W	V	Chromium	263889	3912006	6.60E-06	8.32E-07	3.40E-03	4.90E-08	4.16E-07	2.08E-07
21	16-8	W	V	Chromium	266975	3911176	6.60E-06	8.32E-07	3.40E-03	4.90E-08	4.16E-07	2.08E-07
Total for Chromium							1.34E-05	1.69E-06	6.80E-03	9.79E-08	8.44E-07	4.22E-07

TABLE B.3.6–2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
CAS No.: 1319773												
235	Drum Sampling - Building Area 1	W	A	Cresols	267209	3912603	3.00E-02	3.78E-03	1.10E-01	1.58E-06	1.89E-03	9.45E-04
235	Drum Sampling - Building Area 1	W	A	Cresylic Acid	267209	3912603	3.00E-01	3.78E-02	1.10E-01	1.58E-06	1.89E-02	9.45E-03
CAS No.: 68122												
201	11-36 Vent Scrubber	S	V	Dimethylformamide	266281	3910425	2.66E+05	3.91E+06	2.05E+00	2.58E-01	3.91E+06	3.91E+06
202	11-36 Waste Trailer 1	S	V	Dimethylformamide	266460	3910139	2.66E+05	3.91E+06	2.00E-02	2.52E-03	3.91E+06	3.91E+06
203	11-36 Waste Trailer 3	S	V	Dimethylformamide	266281	3910425	2.66E+05	3.91E+06	2.00E-02	2.52E-03	3.91E+06	3.91E+06
Total for Dimethylformamide							7.99E+05	1.17E+07	2.09E+00	2.63E-01	1.17E+07	1.17E+07
CAS No.: No Number												
235	Bulk Transport - Building Area 1	W	A	Ester Glycol Ethers	267209	3912603	1.50E+00	1.89E-01	1.83E+00	2.64E-05	9.45E-02	4.73E-02
235	Drum Sampling - Building Area 1	W	A	Ester Glycol Ethers	267209	3912603	3.00E-01	3.78E-02	6.00E-02	8.64E-07	1.89E-02	9.45E-03
Total for Ester Glycol Ethers							1.80E+00	2.27E-01	1.89E+00	2.72E-05	1.13E-01	5.67E-02
CAS No.: 141-78-6												
204	12-19 North Rotocclone	S	V	Ethyl Acetate	267680	3910275	6.70E+01	8.44E+00	1.08E+04	1.55E-01	8.44E+00	8.44E+00
205	12-19 Fugitives	S	V	Ethyl Acetate	267680	3910275	9.10E+00	1.15E+00	1.60E+03	2.30E-02	1.15E-01	1.15E+00
235	Bulk Transport - Building Area 1	W	A	Ethyl Acetate	267209	3912603	1.10E+01	1.39E+00	1.37E+01	1.97E-04	6.95E-01	3.47E-01
235	Drum Sampling - Building Area 1	W	A	Ethyl Acetate	267209	3912603	2.48E+01	3.12E-01	1.09E+01	1.57E-04	1.56E-01	7.80E-02
Total for Ethyl Acetate							8.96E+01	1.13E+01	1.24E+04	1.79E-01	1.04E+01	1.00E+01
CAS No.: 100414												
235	Bulk Transport - Building Area 1	W	A	Ethyl Benzene	267209	3912603	1.48E+00	1.86E-01	1.85E+00	2.66E-05	9.32E-02	4.66E-02
235	Drum Sampling - Building Area 1	W	A	Ethyl Benzene	267209	3912603	3.40E-01	4.28E-02	1.48E+00	2.13E-05	2.14E-02	1.07E-02
Total for Ethyl Benzene							1.82E+00	2.29E-01	3.33E+00	4.80E-05	1.15E-01	5.73E-02
CAS No.: 107062												
235	Drum Sampling - Building Area 1	W	A	Ethylene Dichloride	267209	3912603	5.60E-01	7.06E-02	2.93E+00	4.22E-05	3.53E-02	1.76E-02

TABLE B.3.6-2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
CAS No.: 50000												
180	11-2 Water Heaters, Natural Gas	S	V	Formaldehyde	266711	3910086	4.42E-04	5.57E-05	1.07E+00	1.54E-05	2.21E-04	2.21E-04
164	11-27 Furnaces, Natural Gas	S	V	Formaldehyde	266716	3910060	2.42E-04	3.05E-05	5.85E-01	8.42E-06	1.21E-04	1.21E-04
165	11-29 Furnaces, Natural Gas	S	V	Formaldehyde	266739	3910123	2.83E-04	3.57E-05	6.83E-01	9.84E-06	1.42E-04	1.42E-04
166	11-30 Furnaces, Natural Gas	S	V	Formaldehyde	266620	3910690	4.84E-05	6.10E-06	1.18E-01	1.70E-06	2.42E-05	2.42E-05
158	11-36 Boiler, Natural Gas	S	V	Formaldehyde	266281	3910425	6.40E-05	8.06E-06	4.33E-01	6.24E-06	3.20E-05	3.20E-05
159	11-43 Boiler, Natural Gas	S	V	Formaldehyde	266465	3910193	2.16E-04	2.72E-05	1.51E+00	2.17E-05	1.08E-04	1.08E-04
181	11-48 Water Heaters, Natural Gas	S	V	Formaldehyde	266556	3910123	1.30E-04	1.64E-05	3.14E-01	4.52E-06	6.50E-05	6.20E-05
172	12-100 Furnaces, Natural Gas	S	V	Formaldehyde	267312	3910811	1.47E-04	1.85E-05	3.52E-01	5.07E-06	7.35E-05	7.35E-05
173	12-101 Furnaces, Natural Gas	S	V	Formaldehyde	267788	3910873	1.64E-04	2.07E-05	3.94E-01	5.67E-06	8.20E-05	8.20E-05
174	12-102 Furnaces, Natural Gas	S	V	Formaldehyde	267715	3910718	2.02E-04	2.55E-05	4.88E-01	7.03E-06	1.01E-04	1.01E-04
175	12-106 Furnaces, Natural Gas	S	V	Formaldehyde	267688	3910796	1.94E-04	2.44E-05	4.75E-01	6.84E-06	9.70E-05	9.70E-05
176	12-106A Furnaces, Natural Gas	S	V	Formaldehyde	267675	3910761	2.88E-04	3.63E-05	7.04E-01	1.01E-05	1.44E-04	1.44E-04
177	12-107 Furnaces, Natural Gas	S	V	Formaldehyde	267692	3910852	4.04E-04	5.09E-05	9.62E-01	1.39E-05	2.02E-04	2.02E-04
178	12-112 Furnaces, Natural Gas	S	V	Formaldehyde	267223	3910963	1.41E-04	1.78E-05	3.43E-01	4.94E-06	7.05E-05	7.05E-05
187	12-112 Water Heaters, Natural Gas	S	V	Formaldehyde	267223	3910963	2.96E-05	3.73E-06	7.20E-02	1.04E-06	1.48E-05	1.48E-05
179	12-113 Furnaces, Natural Gas	S	V	Formaldehyde	267365	3910842	1.31E-04	1.65E-05	3.18E-01	4.58E-06	6.55E-05	6.55E-05
168	12-28 Furnaces, Natural Gas	S	V	Formaldehyde	267788	3910703	9.69E-05	1.22E-05	2.37E-01	3.41E-06	4.85E-05	4.85E-05
169	12-36 Furnaces, Natural Gas	S	V	Formaldehyde	267393	3911010	1.62E-04	2.04E-05	3.90E-01	5.62E-06	8.10E-05	8.10E-05
170	12-39 Furnaces, Natural Gas	S	V	Formaldehyde	267378	3910887	4.03E-05	5.08E-06	9.76E-02	1.41E-06	2.02E-05	2.02E-05
185	12-39 Water Heaters, Natural Gas	S	V	Formaldehyde	267378	3910887	1.30E-04	1.64E-05	3.14E-01	4.52E-06	6.50E-05	6.50E-05
171	12-39A Furnaces, Natural Gas	S	V	Formaldehyde	267350	3910889	9.28E-05	1.17E-05	2.20E-01	3.17E-06	4.64E-05	4.64E-05
182	12-5 Water Heaters, Natural Gas	S	V	Formaldehyde	267872	3910891	2.30E-04	2.90E-05	5.60E-01	8.06E-06	1.15E-04	1.15E-04
167	12-6 Furnaces, Natural Gas	S	V	Formaldehyde	267846	3910820	3.22E-05	4.06E-06	7.60E-02	1.09E-06	1.61E-05	1.61E-05
183	12-6 Water Heaters, Natural Gas	S	V	Formaldehyde	267846	3910820	8.88E-05	1.12E-05	2.16E-01	3.11E-06	4.44E-05	4.44E-05
9	12-68	W	V	Formaldehyde	267845	3910587	8.00E-04	1.01E-04	3.20E+00	4.61E-05	5.04E-05	2.52E-05

TABLE B.3.6-2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
204	12-19 North Rotoclone	S	V	Methyl Ethyl Ketone	267680	3910275	2.20E+01	2.77E+00	6.20E+03	8.93E-02	2.77E+00	2.77E+00
37	12-19E	W	V	Methyl Ethyl Ketone	267680	3910275	2.71E+01	3.41E+00	7.30E+03	1.05E-01	1.71E+00	8.54E-01
53	12-25	W	V	Methyl Ethyl Ketone	267589	3910055	3.00E-01	3.78E-02	9.00E+00	1.30E-04	1.89E-02	9.45E-03
23	12-34SS	W	V	Methyl Ethyl Ketone	267785	3910292	3.46E-04	4.36E-05	5.20E-02	7.49E-07	2.18E-05	1.09E-05
43	12-41	W	V	Methyl Ethyl Ketone	267503	3909659	2.70E+00	3.40E-01	2.52E+01	3.63E-04	1.70E-01	8.51E-02
45	12-44	W	V	Methyl Ethyl Ketone	267410	3909939	1.94E-02	2.44E-03	1.68E+01	2.42E-04	1.22E-03	6.11E-04
30	12-5	W	V	Methyl Ethyl Ketone	267872	3910891	8.40E-05	1.06E-05	1.80E-01	2.59E-06	5.29E-06	2.65E-06
32	12-64	W	V	Methyl Ethyl Ketone	267315	3910068	2.88E-02	3.63E-03	1.80E+01	2.59E-04	1.81E-03	9.07E-04
27	12-82	W	V	Methyl Ethyl Ketone	267294	3909766	8.31E-02	1.05E-02	4.83E+01	6.96E-04	5.24E-03	2.62E-03
25	12-84	W	V	Methyl Ethyl Ketone	267203	3910117	1.30E-01	1.64E-02	7.62E+01	1.10E-03	8.19E-03	4.10E-03
61	12-85	W	V	Methyl Ethyl Ketone	267227	3910032	4.80E-03	6.05E-04	3.25E+00	4.68E-05	3.02E-04	1.51E-04
35	12-86	W	V	Methyl Ethyl Ketone	267055	3909814	1.30E-02	1.64E-03	3.36E+01	4.84E-04	8.19E-04	4.10E-04
58	12-98	W	V	Methyl Ethyl Ketone	267111	3910056	4.80E-03	6.05E-04	5.02E+00	7.23E-05	3.02E-04	1.51E-04
38	12-99	W	V	Methyl Ethyl Ketone	267092	3909967	1.29E-02	1.63E-03	1.01E+01	1.45E-04	8.13E-04	4.06E-04
20	16-4	W	V	Methyl Ethyl Ketone	265854	3911416	1.09E+00	1.37E-01	3.48E+01	5.01E-04	6.87E-02	3.43E-02
235	Bulk Transport - Building Area 1	W	A	Methyl Ethyl Ketone	267209	3912603	1.08E+01	1.36E+00	2.72E+01	3.92E-04	6.80E-01	3.40E-01
235	Drum Sampling - Building Area 1	W	A	Methyl Ethyl Ketone	267209	3912603	2.16E+00	2.72E-01	1.90E+01	2.74E-04	1.36E-01	6.80E-02
Total for Methyl Ethyl Ketone							7.24E+01	9.13E+00	1.56E+04	2.24E-01	6.24E+00	4.79E+00
CAS No.: 108101												
235	Drum Sampling - Building Area 1	W	A	Methyl Isobutyl Ketone	267209	3912603	2.60E-01	3.28E-02	1.36E+00	1.96E-05	1.64E-02	8.19E-03
CAS No.: 75092												
205	12-19 Fugitives	S	V	Methylene Chloride	267680	3910275	5.40E+00	6.80E-01	2.40E+02	3.46E-03	6.80E-01	6.80E-01
204	12-19 North Rotoclone	S	V	Methylene Chloride	267680	3910275	1.50E+00	1.89E-01	2.00E+01	2.88E-04	1.89E-01	1.89E-01
235	Drum Sampling - Building Area 1	W	A	Methylene Chloride	267209	3912603	3.88E+00	4.89E-01	1.41E+02	2.04E-03	2.44E-01	1.22E-01

TABLE B.3.6-2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
235	Drum Sampling - Building Area 1	W	A	Methylene Chloride	267209	3912603	2.36E+00	2.97E-01	1.24E+01	1.78E-04	1.49E-01	7.43E-02
Total for Methylene Chloride							1.31E+01	1.66E+00	4.14E+02	5.96E-03	1.26E+00	1.07E+00
CAS No.: 98953												
235	Drum Sampling - Building Area 1	W	A	Nitrobenzene	267209	3912603	3.00E-02	3.78E-03	1.10E-01	1.58E-06	1.89E-03	9.45E-04
CAS No.: 127184												
235	Drum Sampling - Building Area 1	W	A	Tetrachloroethylene			1.03E+00	1.30E-01	1.42E+01	2.04E-04	6.49E-02	3.24E-02
CAS No.: 108883												
36	11-17	W	V	Toluene	266460	3910139	2.88E-03	3.63E-04	1.50E-01	2.16E-06	1.81E-04	9.07E-05
71	11-17S	W	V	Toluene	266521	3910149	4.30E-01	5.42E-02	4.30E+00	6.19E-05	2.71E-02	1.35E-02
180	11-2 Water Heaters, Natural Gas	S	V	Toluene	266711	3910086	1.11E-04	1.40E-05	2.68E-01	3.86E-06	1.40E-05	1.40E-05
164	11-27 Furnaces, Natural Gas	S	V	Toluene	266716	3910060	6.06E-05	7.64E-06	1.46E-01	2.10E-06	7.64E-06	7.64E-06
165	11-29 Furnaces, Natural Gas	S	V	Toluene	266739	3910123	7.07E-05	8.91E-06	1.71E-01	2.46E-06	8.91E-06	8.91E-06
166	11-30 Furnaces, Natural Gas	S	V	Toluene	266620	3910690	1.21E-05	1.52E-06	2.96E-02	4.26E-07	1.52E-06	1.52E-06
10	11-36	S	V	Toluene	266281	3910425	4.14E-01	5.22E-02	2.00E+03	2.88E-02	5.22E-02	5.22E-02
158	11-36 Boiler, Natural Gas	S	V	Toluene	266281	3910425	1.60E-05	2.02E-06	1.08E-01	1.56E-06	2.02E-06	2.02E-06
201	11-36 VentScrubber	S	V	Toluene	266281	3910425	3.45E+01	4.35E+00	1.66E+03	2.39E-02	4.35E+00	4.35E+00
202	11-36 Waste Trailer 1	S	V	Toluene	266281	3910425	5.00E-02	6.30E-03	1.00E+01	1.44E-04	6.30E-03	6.03E-03
203	11-36 Waste Trailer 3	S	V	Toluene	266281	3910425	5.00E-02	6.30E-03	4.00E+00	5.76E-05	6.30E-03	6.30E-03
18	11-36P	S	V	Toluene	266287	3910490	4.00E+00	5.04E-01	3.60E+02	5.18E-03	5.04E-01	5.04E-01
64	11-38S	W	V	Toluene	266246	3910196	6.00E-01	7.56E-02	1.10E+00	1.58E-05	3.78E-02	1.89E-02
159	11-43 Boiler, Natural Gas	S	V	Toluene	266465	3910193	5.40E-05	6.80E-06	3.77E-01	5.43E-06	6.80E-06	6.80E-06
181	11-48 Water Heaters, Natural Gas	S	V	Toluene	266556	3910123	3.24E-05	4.08E-06	7.84E-02	1.13E-06	4.08E-06	6.80E-06
42	11-51	W	V	Toluene	266292	3910088	6.92E-03	8.72E-04	1.44E+01	2.07E-04	4.36E-04	2.18E-04
16	11-9	W	V	Toluene	266515	3910714	4.46E-01	5.62E-02	5.81E+01	8.37E-04	2.81E-02	1.41E-02
172	12-100 Furnaces, Natural Gas	S	V	Toluene	267312	3910811	3.68E-05	4.64E-06	8.80E-02	1.27E-06	4.64E-06	4.64E-06

TABLE B.3.6–2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
173	12-101 Furnaces, Natural Gas	S	V	Toluene	267788	3910873	4.09E-05	5.15E-06	9.86E-02	1.42E-06	5.15E-06	5.15E-06
174	12-102 Furnaces, Natural Gas	S	V	Toluene	267715	3910718	5.05E-05	6.36E-06	1.22E-01	1.76E-06	6.36E-06	6.36E-06
29	12-104	W	V	Toluene	267265	3910216	1.20E-03	1.51E-04	1.82E+00	2.62E-05	7.56E-05	3.78E-05
175	12-106 Furnaces, Natural Gas	S	V	Toluene	267688	3910796	3.68E-05	4.64E-06	1.19E-01	1.71E-06	4.64E-03	4.64E-03
176	12-106A Furnaces, Natural Gas	S	V	Toluene	267675	3910761	4.09E-05	5.15E-06	1.76E-01	2.53E-06	5.15E-03	5.15E-03
177	12-107 Furnaces, Natural Gas	S	V	Toluene	267692	3910852	5.05E-05	6.36E-06	2.41E-01	3.47E-06	6.36E-03	6.36E-03
12	12-110	W	V	Toluene	268036	3910814	4.12E-01	5.19E-02	2.14E+02	3.08E-03	2.60E-02	1.30E-02
47	12-111	W	V	Toluene	267983	3910838	3.27E-03	4.12E-04	1.70E+00	2.45E-05	2.06E-04	1.03E-04
178	12-112 Furnaces, Natural Gas	S	V	Toluene	267223	3910963	3.53E-05	4.45E-06	8.58E-02	1.24E-06	4.45E-06	4.45E-06
187	12-112 Water Heaters, Natural Gas	S	V	Toluene	267223	3910963	7.40E-06	9.32E-07	1.80E-02	2.59E-07	9.32E-07	9.23E-07
179	12-113 Furnaces, Natural Gas	S	V	Toluene	267365	3910842	3.28E-05	4.13E-06	7.95E-02	1.14E-06	4.13E-06	4.13E-06
48	12-16	W	V	Toluene	267803	3910653	1.02E+00	1.29E-01	1.19E+02	1.71E-03	6.43E-02	3.21E-02
55	12-21	W	V	Toluene	267655	3910218	1.88E-01	2.37E-02	7.20E+00	1.04E-04	1.18E-02	5.92E-03
53	12-25	W	V	Toluene	267589	3910055	3.00E-01	3.78E-02	3.00E-01	4.32E-06	1.89E-02	9.45E-03
168	12-28 Furnaces, Natural Gas	S	V	Toluene	267788	3910703	2.42E-05	3.05E-06	5.94E-02	8.55E-07	3.05E-06	3.05E-06
23	12-34SS	W	V	Toluene	267785	3910292	2.20E-04	2.77E-05	2.60E-02	3.74E-07	1.39E-05	6.93E-06
169	12-36 Furnaces, Natural Gas	S	V	Toluene	267393	3911010	4.04E-05	5.09E-06	9.75E-02	1.40E-06	5.09E-06	5.09E-06
170	12-39 Furnaces, Natural Gas	S	V	Toluene	267378	3910887	1.01E-05	1.27E-06	2.44E-02	3.51E-07	1.27E-06	1.27E-06
185	12-39 Water Heaters, Natural Gas	S	V	Toluene	267378	3910887	3.24E-05	4.08E-06	7.84E-02	1.13E-06	4.08E-06	4.08E-06
171	12-39A Furnaces, Natural Gas	S	V	Toluene	267350	3910889	2.32E-05	2.92E-06	5.51E-02	7.93E-07	2.92E-06	2.92E-06
43	12-41	W	V	Toluene	267503	3909659	2.37E+00	2.99E-01	2.59E+01	3.73E-04	1.49E-01	7.47E-02
45	12-44	W	V	Toluene	267410	3909939	1.90E-03	2.39E-04	1.18E+00	1.70E-05	1.20E-04	5.99E-05
182	12-5 Water Heaters, Natural Gas	S	V	Toluene	267872	3910891	5.76E-05	7.26E-06	1.40E-01	2.02E-06	7.26E-03	7.26E-06
51	12-59	W	V	Toluene	267681	3910660	2.50E-03	3.15E-04	1.30E+00	1.87E-05	1.58E-04	7.88E-05
167	12-6 Furnaces, Natural Gas	S	V	Toluene	267846	3910820	8.06E-06	1.02E-06	1.90E-02	2.74E-07	1.02E-06	1.02E-06

TABLE B.3.6-2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^d
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
183	12-6 Water Heaters, Natural Gas	S	V	Toluene	267846	3910820	2.22E-05	2.80E-06	5.40E-02	7.78E-07	2.80E-06	1.02E-06
32	12-64	W	V	Toluene	267315	3910068	2.90E-03	3.65E-04	3.08E+00	4.44E-05	1.83E-04	9.14E-05
9	12-68	W	V	Toluene	267845	3910587	2.00E-04	2.52E-05	8.00E-01	1.15E-05	1.26E-05	6.30E-06
184	12-7 Water Heaters, Natural Gas	S	V	Toluene	267827	3910839	8.00E-06	1.01E-06	1.90E-02	2.74E-07	1.01E-03	1.01E-06
186	12-75 Water Heaters, Natural Gas	S	V	Toluene	267279	3910707	1.35E-04	1.70E-05	3.26E-01	4.69E-06	1.70E-02	1.01E-06
27	12-82	W	V	Toluene	267294	3909766	9.23E-02	1.16E-02	5.30E+01	7.63E-04	5.81E-03	2.91E-03
25	12-84	W	V	Toluene	267203	3910117	8.80E-03	1.11E-03	1.21E+01	1.74E-04	5.54E-04	2.77E-04
61	12-85	W	V	Toluene	267227	3910032	5.00E-04	6.30E-05	1.10E+00	1.58E-05	3.15E-05	1.58E-05
35	12-86	W	V	Toluene	267055	3909814	1.38E-02	1.74E-03	1.08E+01	1.56E-04	8.69E-04	4.35E-04
58	12-98	W	V	Toluene	267111	3910056	3.80E-03	4.79E-04	2.73E+00	3.93E-05	2.39E-04	1.20E-04
38	12-99	W	V	Toluene	267092	3909967	1.38E-02	1.74E-03	7.20E+00	1.04E-04	8.69E-04	4.35E-04
188	16-10 Water Heaters, Natural Gas	S	V	Toluene	265891	3911244	1.01E-04	1.27E-05	2.44E-01	3.51E-06	1.27E-02	1.27E-02
189	16-12 Water Heaters, Natural Gas	S	V	Toluene	268836	3911272	2.70E-04	3.40E-05	6.52E-01	9.39E-06	3.40E-02	3.40E-02
190	16-15 Water Heaters, Natural Gas	S	V	Toluene	265822	3911413	3.12E-04	3.93E-05	7.56E-01	1.09E-05	3.93E-02	3.93E-02
20	16-4	W	V	Toluene	265854	3911416	1.71E+00	2.15E-01	5.76E+01	8.29E-04	1.08E-01	5.39E-02
161	9-4 Furnaces, Natural Gas	S	V	Toluene	263530	3909933	1.26E-05	1.59E-06	3.08E-02	4.44E-07	1.59E-03	1.59E-03
162	9-5 Furnaces, Natural Gas	S	V	Toluene	263502	3909982	1.26E-05	1.59E-06	3.08E-02	4.44E-07	1.59E-03	1.59E-03
163	9-6 Furnaces, Natural Gas	S	V	Toluene	263407	3910183	1.26E-05	1.59E-06	3.08E-02	4.44E-07	1.59E-03	1.59E-03
235	Bulk Transport - Building Area 1	W	A	Toluene	267209	3912603	4.00E+00	5.04E-01	1.01E+01	1.45E-04	2.52E-01	1.26E-01
235	Drum Sampling - Building Area 1	W	A	Toluene	267209	3912603	8.00E-01	1.01E-01	1.00E+01	1.44E-04	5.04E-02	2.52E-02
57	FS-1	S	V	Toluene	265885	3913982	1.88E-01	2.37E-02	6.00E-01	8.64E-06	2.37E-02	2.73E-02
67	FS-22	S	V	Toluene	266603	3913623	1.00E-02	1.26E-03	6.00E-01	8.64E-06	1.26E-03	1.26E-03
134	FS-23	S	V	Toluene	266926	3913964	1.50E-01	1.89E-02	6.00E-01	8.64E-06	1.89E-02	1.89E-02
66	FS-24	S	V	Toluene	266094	3914090	1.00E-02	1.26E-03	6.00E-01	8.64E-06	1.26E-03	1.26E-03
50	FS-4	S	V	Toluene	266879	3914306	9.15E-03	1.15E-03	6.00E-01	8.64E-06	1.15E-03	1.15E-03
15	Gasoline Engines	S	A	Toluene	267272	3910461	4.41E-02	5.56E-03	1.50E+00	2.16E-05	5.56E-03	5.56E-03
1	Natural Gas Boilers (16-13)	S	P	Toluene	266865	3910813	9.60E-03	1.21E-03	2.50E+02	3.60E-03	1.21E-03	1.21E-03
Total for Toluene							5.19E+01	6.54E+00	4.91E+03	7.07E-02	5.88E+00	5.47E+00

TABLE B.3.6–2.—Estimated Emission Rates from Facility-Wide Hazardous Air Pollutants¹ for 2,000, 1,000, and 500 Weapons Scenarios-Continued

SERIAL NO.	FACILITY	STATUS ^a	SOURCE CATEGORY ^b	POLLUTANT	COORDINATES		AFFECTED ENVIRONMENT AND 2,000 WEAPONS SCENARIO ^c				1,000 WEAPONS SCENARIO ^d	500 WEAPONS SCENARIO ^e
					X, UTM (meters)	Y, UTM (meters)	(lb/hr)	(g/sec)	(lb/yr)	(g/sec)	(g/sec)	(g/sec)
CAS No.: 79016												
235	Drum Sampling - Building Area 1	W	A	Trichloroethylene	267209	3912603	2.99E+0	3.77E-01	4.3E+01	6.19E-04	1.88E-01	9.42E-02
CAS No.: 121448												
201	11-36 Vent Scrubber	S	V	Triethylamine	266281	3910425	8.00E-02	1.01E-02	0.00E+00	0.00E+00	1.01E-02	1.01E-02
CAS No.: 1330207												
16	11-9	W	V	Xylene	266515	3910714	3.80E-03	4.79E-04	3.79E+00	5.46E-05	2.39E-04	1.20E-04
12	12-110	W	V	Xylene	268036	3910814	6.90E-01	8.69E-02	3.59E+02	5.17E-03	4.35E-02	2.17E-02
43	12-41	W	V	Xylene	267503	3909659	4.65E+00	5.86E-01	3.00E+01	4.32E-04	2.93E-01	1.46E-01
30	12-5	W	V	Xylene	267872	3910891	9.80E-05	1.23E-05	2.10E-01	3.02E-06	6.17E-06	3.09E-06
32	12-64	W	V	Xylene	267315	3910068	6.30E-03	7.94E-04	7.52E+00	1.08E-04	3.97E-04	1.98E-04
27	12-82	W	V	Xylene	267294	3909766	1.80E-03	2.27E-04	1.67E+00	2.40E-05	1.13E-04	5.67E-05
25	12-84	W	V	Xylene	267203	3910117	1.78E-02	2.24E-03	1.13E+01	1.63E-04	1.12E-03	5.61E-04
61	12-85	W	V	Xylene	267227	3910032	1.10E-03	1.39E-04	1.26E+00	1.81E-05	6.93E-05	3.47E-05
35	12-86	W	V	Xylene	267055	3909814	4.50E-03	5.67E-04	3.14E+00	4.52E-05	2.84E-04	1.42E-04
58	12-98	W	V	Xylene	267111	3910056	7.00E-04	8.82E-05	6.40E-01	9.22E-06	4.41E-05	2.21E-05
38	12-99	W	V	Xylene	267092	3909967	1.41E-02	1.78E-03	7.44E+00	1.07E-04	8.88E-04	4.44E-04
20	16-4	W	V	Xylene	265854	3911416	2.52E+00	3.18E-01	5.96E+01	8.58E-04	1.59E-01	7.94E-02
235	Bulk Transport - Building Area 1	W	A	Xylene	267209	3912603	1.15E+00	1.45E-01	2.89E+00	4.16E-05	7.25E-02	3.62E-02
235	Drum Sampling - Building Area 1	W	A	Xylene	267209	3912603	2.30E-01	2.90E-02	1.43E+00	2.06E-05	1.45E-02	7.25E-03
15	Gasoline Engines	S	A	Xylene	267272	3910461	2.65E-02	3.34E-03	9.00E-01	1.30E-05	3.34E-03	3.34E-03
Total for Xylene							9.32E+0	1.17E+0	4.91E+02	7.07E-03	5.89E-01	2.96E-01

^a Letter designates change in emissions. S for static emissions or no change with time and W for change associated with change in weapons program.

^b Letter designates source modeling category. V = volume source, A = area source, P = point source.

^c Emissions inventory listed for 2,000 Weapons Scenario (PC 1994). For ISCST2 and ISCLT2 modeling, the emissions rates (lb/hr and lb/yr, respectively) were converted to g/sec.

^d Emissions inventory listed for 1,000 and 500 Weapons Scenarios have been assumed to be a linear regression (PC 1994).

¹As listed in the *Clean Air Act*, as amended, Nov 1990 (42 U.S.C. 7401).

CAS No. - Chemical Abstract Service Registry Number.

NA - emission rate was not quantified for modeling.

Note: Pollutants related to burning of explosives are presented in Tables B.3.6–3, B.3.6–4, and B.3.6–5.

Source: PC 1994; calculated values.