

**TABLE B.3.6–1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
80	10-2	W	V	CO	264828	3909243	4.00E-02	5.04E-03	1.40E+01	2.02E-04	2.52E-03	1.26E-03
180	11-2 Water Heaters, Natural Gas	S	V	CO	266711	3910086	2.09E-02	2.63E-03	5.04E+01	7.26E-04	2.63E-03	2.63E-03
164	11-27 Furnaces, Natural Gas	S	V	CO	266716	3910060	1.14E-02	1.44E-03	2.76E+01	3.97E-04	1.44E-03	1.44E-03
165	11-29 Furnaces, Natural Gas	S	V	CO	266739	3910123	1.33E-02	1.68E-03	3.22E+01	4.64E-04	1.68E-03	1.68E-03
166	11-30 Furnaces, Natural Gas	S	V	CO	266620	3910690	2.29E-03	2.89E-04	5.60E+00	8.06E-05	2.89E-04	2.89E-04
158	11-36 Boiler, Natural Gas	S	V	CO	266281	3910425	2.90E-03	3.65E-04	2.04E+01	2.94E-04	3.65E-04	3.65E-04
34	11-38	W	V	CO	266270	3910207	2.30E-02	2.90E-03	1.90E+00	2.74E-05	1.45E-03	7.25E-04
159	11-43 Boiler, Natural Gas	S	V	CO	266465	3910193	1.02E-02	1.29E-03	7.12E+01	1.03E-03	1.29E-03	1.29E-03
181	11-48 Water Heaters, Natural Gas	S	V	CO	266556	3910123	6.10E-03	7.69E-04	1.48E+01	2.13E-04	7.69E-04	7.69E-04
172	12-100 Furnaces, Natural Gas	S	V	CO	267312	3910811	6.95E-03	8.76E-04	1.66E+01	2.39E-04	8.76E-04	8.76E-04
173	12-101 Furnaces, Natural Gas	S	V	CO	267788	3910873	7.71E-03	9.71E-04	1.86E+01	2.68E-04	9.71E-04	9.71E-04
174	12-102 Furnaces, Natural Gas	S	V	CO	267715	3910718	9.52E-03	1.20E-03	2.30E+01	3.31E-04	1.20E-03	1.20E-03
175	12-106 Furnaces, Natural Gas	S	V	CO	267688	3910796	9.14E-03	1.15E-03	2.24E+01	3.23E-04	1.15E-03	1.15E-03
176	12-106A Furnaces, Natural Gas	S	V	CO	267675	3910761	1.36E-02	1.71E-03	3.32E+01	4.78E-04	1.71E-03	1.71E-03
177	12-107 Furnaces, Natural Gas	S	V	CO	267692	3910852	1.90E-02	2.39E-03	4.54E+01	6.54E-04	2.39E-03	2.39E-03
178	12-112 Furnaces, Natural Gas	S	V	CO	267223	3910963	6.67E-03	8.40E-04	1.62E+01	2.33E-04	8.40E-04	8.40E-04
187	12-112 Water Heaters, Natural Gas	S	V	CO	267223	3910963	1.41E-03	1.78E-04	3.40E+00	4.90E-05	1.78E-04	1.78E-04
19	12-13 Paper Incinerator	W	V	CO	267993	3910661	2.10E+00	2.65E-01	3.75E+02	5.40E-03	1.32E-01	6.62E-02

**TABLE B.3.6–1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
168	12-028 Furnaces, Natural Gas	S	V	CO	267788	3910703	4.57E-03	5.76E-04	1.12E+01	1.61E-04	5.76E-04	5.76E-04
169	12-36 Furnaces, Natural Gas	S	V	CO	267393	3911010	7.62E-03	9.60E-04	1.84E+01	2.65E-04	9.60E-04	9.60E-04
170	12-39 Furnaces, Natural Gas	S	V	CO	267378	3910887	1.90E-03	2.39E-04	4.60E+00	6.62E-05	2.39E-04	2.39E-04
185	12-39 Water Heaters, Natural Gas	S	V	CO	267378	3910887	6.10E-03	7.69E-04	1.48E+01	2.13E-04	7.69E-04	7.69E-04
171	12-39A Furnaces, Natural Gas	S	V	CO	267350	3910889	4.38E-03	5.52E-04	1.04E+01	1.50E-04	5.52E-04	5.52E-04
182	12-5 Water Heaters, Natural Gas	S	V	CO	267872	3910891	1.09E-02	1.37E-03	2.64E+01	3.80E-04	1.37E-03	1.37E-03
70	12-5B	W	V	CO	267785	3910973	NA	NA	2.93E+01	4.22E-04	2.11E-04	1.05E-04
167	12-6 Furnaces, Natural Gas	S	V	CO	267846	3910820	1.52E-03	1.92E-04	3.60E+00	5.18E-05	1.92E-04	1.92E-04
183	12-6 Water Heaters, Natural Gas	S	V	CO	267846	3910820	4.19E-03	5.28E-04	1.02E+01	1.47E-04	5.28E-04	5.28E-04
9	12-68	W	V	CO	267845	3910587	NA	NA	5.20E+03	7.49E-02	3.74E-02	1.87E-02
184	12-7 Water Heaters, Natural Gas	S	V	CO	267827	3910839	1.52E-03	1.92E-04	3.60E+00	5.18E-05	1.92E-04	1.92E-04
186	12-75 Water Heaters, Natural Gas	S	V	CO	267279	3910707	2.55E-02	3.21E-03	6.16E+01	8.87E-04	3.21E-03	3.21E-03
188	16-10 Water Heaters, Natural Gas	S	V	CO	265891	3911244	1.90E-02	2.39E-03	4.60E+01	6.62E-04	2.39E-03	2.39E-03
189	16-12 Water Heaters, Natural Gas	S	V	CO	268836	3911272	5.09E-02	6.41E-03	1.23E+02	1.77E-03	6.41E-03	6.41E-03
190	16-15 Water Heaters, Natural Gas	S	V	CO	265822	3911413	5.90E-02	7.43E-03	1.43E+02	2.06E-03	7.43E-03	7.43E-03
22	16-7	W	V	CO	263889	3912006	1.70E+00	2.14E-01	8.40E+02	1.21E-02	1.07E-01	5.36E-02
21	16-8	W	V	CO	266975	3911176	1.70E+00	2.14E-01	8.40E+02	1.21E-02	1.07E-01	5.36E-02
157	4-20 Boiler, Natural Gas	S	V	CO	266070	3912231	3.19E-02	4.02E-03	0.00E+00	0.00E+00	4.02E-03	4.02E-03
161	9-4 Furnaces, Natural Gas	S	V	CO	263530	3909933	2.38E-02	3.00E-03	5.80E+00	8.35E-05	3.00E-03	3.00E-03

**TABLE B.3.6-1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
162	9-5 Furnaces, Natural Gas	S	V	CO	263502	3909982	2.38E-02	3.00E-03	5.80E+00	8.35E-05	3.00E-03	3.00E-03
163	9-6 Furnaces, Natural Gas	S	V	CO	263407	3910183	2.38E-02	3.00E-03	5.80E+00	8.35E-05	3.00E-03	3.00E-03
2	Diesel Engines	S	A	CO	267138	3910516	8.26E+01	1.04E+01	4.38E+03	6.31E-02	1.04E+01	1.04E+01
82	FS-10	S	V	CO	266525	3914304	5.70E+00	7.18E-01	0.00E+00	0.00E+00	7.18E-01	7.18E-01
73	FS-10 (9404)	S	V	CO	266525	3914304	NA	NA	1.87E+01	2.69E-04	2.69E-04	2.69E-04
72	FS-10 (LX10)	S	V	CO	266525	3914304	NA	NA	1.87E+01	2.69E-04	2.69E-04	2.69E-04
101	FS-10 (RDX)	S	V	CO	266525	3914304	NA	NA	1.00E-01	1.44E-06	1.44E-06	1.44E-06
78	FS-10 (TATB)	S	V	CO	266525	3914304	NA	NA	1.39E+01	2.00E-04	2.00E-04	2.00E-04
67	FS-22	S	V	CO	266603	3913623	2.00E-01	2.52E-02	2.18E+01	3.14E-04	2.52E-02	2.52E-02
65	FS-22 (XTX)	S	V	CO	266603	3913623	NA	NA	2.10E+01	3.02E-04	3.02E-04	3.02E-04
134	FS-23	S	V	CO	266926	3913964	1.88E-04	2.37E-05	0.00E+00	0.00E+00	2.37E-05	2.37E-05
66	FS-24	S	V	CO	266094	3914090	1.20E+00	1.51E-01	2.22E+01	3.20E-04	1.51E-01	1.51E-01
74	FS-24 (TATB)	S	V	CO	266094	3914090	NA	NA	1.95E+01	2.81E-04	2.81E-04	2.81E-04
50	FS-4	S	V	CO	266879	3914306	1.23E+01	1.55E+00	6.29E+01	9.06E-04	1.55E+00	1.55E+00
15	Gasoline Engines	S	A	CO	267272	3910461	NA	NA	1.51E+03	2.17E-02	2.17E-02	2.17E-02
1	Natural Gas Boilers (16-13)	S	P	CO	266865	3910813	3.60E+00	4.54E-01	1.55E+04	2.24E-01	4.54E-01	4.54E-01
3	Natural Gas Engines	S	A	CO	267138	3910516	2.38E+00	3.00E-01	1.26E+03	1.81E-02	3.00E-01	3.00E-01
14	Standby Diesel Generators (12-108)	S	A	CO	267507	3910490	1.92E+01	2.42E+00	6.91E+02	9.95E-03	2.42E+00	2.42E+00
Total for CO							1.33E+02	1.68E+01	3.18E+04	4.58E-01	1.65E+01	1.63E+01
80	10-2	W	V	Lead	264828	3909243	4.40E-04	5.54E-05	1.50E-01	2.16E-06	2.77E-05	1.39E-05

**TABLE B.3.6–1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
80	10-2	W	V	Lead	264828	3909243	4.40E-04	5.54E-05	1.50E-01	2.16E-06	2.77E-05	1.39E-05
22	16-7	W	V	Lead	263889	3912006	1.70E-02	2.14E-03	8.40E+00	1.21E-04	1.07E-03	5.36E-04
22	16-7	W	V	Lead	263889	3912006	1.70E-02	2.14E-03	8.40E+00	1.21E-04	1.07E-03	5.36E-04
21	16-8	W	V	Lead	266975	3911176	1.70E-02	2.14E-03	8.40E+00	1.21E-04	1.07E-03	5.36E-04
21	16-8	W	V	Lead	266975	3911176	1.70E-02	2.14E-03	8.40E+00	1.21E-04	1.07E-03	5.36E-04
21	16-8	W	V	Lead	266975	3911176	1.70E-02	2.14E-03	8.40E+00	1.21E-04	1.07E-03	5.36E-04
21	16-8	W	V	Lead	266975	3911176	1.70E-02	2.14E-03	8.40E+00	1.21E-04	1.07E-03	5.36E-04
Total for Lead							3.44E-02	4.34E-03	1.70E+01	2.44E-04	2.17E-03	1.08E-03
80	10-2	W	V	NO ₂	264828	3909243	1.30E-04	1.64E-05	4.00E-02	5.76E-07	2.88E-07	1.44E-07
180	11-2 Water Heaters, Natural Gas	S	V	NO ₂	266711	3910086	1.04E-01	1.31E-02	2.52E+02	3.63E-03	1.31E-02	1.31E-02
164	11-27 Furnaces, Natural Gas	S	V	NO ₂	266716	3910060	5.71E-02	7.19E-03	1.38E+02	1.99E-03	7.19E-03	7.19E-03
165	11-29 Furnaces, Natural Gas	S	V	NO ₂	266739	3910123	6.67E-02	8.40E-03	1.61E+02	2.32E-03	8.40E-03	8.40E-03
166	11-30 Furnaces, Natural Gas	S	V	NO ₂	266620	3910690	1.14E-02	1.44E-03	2.80E+01	4.03E-04	1.44E-03	1.44E-03
158	11-36 Boiler, Natural Gas	S	V	NO ₂	266281	3910425	1.46E-02	1.84E-03	1.02E+02	1.47E-03	1.84E-03	1.84E-03
34	11-38	W	V	NO ₂	266270	3910207	1.50E-03	1.89E-04	1.20E-01	1.73E-06	8.64E-07	4.32E-07
159	11-43 Boiler, Natural Gas	S	V	NO ₂	266465	3910193	5.10E-02	6.43E-03	3.56E+02	5.13E-03	6.43E-03	6.43E-03
181	11-48 Water Heaters, Natural Gas	S	V	NO ₂	266556	3910123	3.05E-02	3.84E-03	7.40E+01	1.07E-03	3.84E-03	3.84E-03
172	12-100 Furnaces, Natural Gas	S	V	NO ₂	267312	3910811	3.48E-02	4.38E-03	8.30E+01	1.20E-03	4.38E-03	4.38E-03
173	12-101 Furnaces, Natural Gas	S	V	NO ₂	267788	3910873	3.86E-02	4.86E-03	9.30E+01	1.34E-03	4.86E-03	4.86E-03
174	12-102 Furnaces, Natural Gas	S	V	NO ₂	267715	3910718	4.76E-02	6.00E-03	1.15E+02	1.66E-03	6.00E-03	6.00E-03

**TABLE B.3.6-1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
175	12-106 Furnaces, Natural Gas	S	V	NO ₂	267688	3910796	4.57E-02	5.76E-03	1.12E+02	1.61E-03	5.76E-03	5.76E-03
176	12-106A Furnaces, Natural Gas	S	V	NO ₂	267675	3910761	6.79E-02	8.56E-03	1.66E+02	2.39E-03	8.56E-03	8.56E-03
177	12-107 Furnaces, Natural Gas	S	V	NO ₂	267692	3910852	9.52E-02	1.20E-02	2.27E+02	3.27E-03	1.20E-02	1.20E-02
178	12-112 Furnaces, Natural Gas	S	V	NO ₂	267223	3910963	3.33E-02	4.20E-03	8.10E+01	1.17E-03	4.20E-03	4.20E-03
187	12-112 Water Heaters, Natural Gas	S	V	NO ₂	267223	3910963	7.05E-03	8.88E-04	1.70E+01	2.45E-04	8.88E-04	8.88E-04
179	12-113 Furnaces, Natural Gas	S	V	NO ₂	267365	3910842	3.10E-02	3.91E-03	7.50E+01	1.08E-03	3.91E-03	3.91E-03
19	12-13 Paper Incinerator	W	V	NO ₂	267993	3910661	6.30E-01	7.94E-02	1.13E+02	1.62E-03	8.10E-04	4.05E-04
168	12-28 Furnaces, Natural Gas	S	V	NO ₂	267788	3910703	2.29E-02	2.89E-03	5.60E+01	8.06E-04	2.89E-03	2.89E-03
169	12-36 Furnaces, Natural Gas	S	V	NO ₂	267393	3911010	3.81E-02	4.80E-03	9.20E+01	1.32E-03	4.80E-03	4.80E-03
170	12-39 Furnaces, Natural Gas	S	V	NO ₂	267378	3910887	9.50E-03	1.20E-03	2.30E+01	3.31E-04	1.20E-03	1.20E-03
185	12-39 Water Heaters, Natural Gas	S	V	NO ₂	267378	3910887	3.05E-02	3.84E-03	7.40E+01	1.07E-03	3.84E-03	3.84E-03
171	12-39A Furnaces, Natural Gas	S	V	NO ₂	267350	3910889	2.19E-02	2.76E-03	5.20E+01	7.49E-04	2.76E-03	2.76E-03
182	12-5 Water Heaters, Natural Gas	S	V	NO ₂	267872	3910891	5.43E-02	6.84E-03	1.32E+02	1.90E-03	6.84E-03	6.84E-03
70	12-5B	W	V	NO ₂	267785	3910973	NA	NA	1.35E+02	1.94E-03	9.72E-04	4.86E-04
167	12-6 Furnaces, Natural Gas	S	V	NO ₂	267846	3910820	7.60E-03	9.58E-04	1.80E+01	2.59E-04	9.58E-04	9.58E-04
183	12-6 Water Heaters, Natural Gas	S	V	NO ₂	267846	3910820	2.10E-02	2.65E-03	5.10E+01	7.34E-04	2.65E-03	2.65E-03
9	12-68	W	V	NO ₂	267845	3910587	NA	NA	2.10E+03	3.02E-02	1.51E-02	1.32E-03
184	12-7 Water Heaters, Natural Gas	S	V	NO ₂	267827	3910839	7.60E-03	9.58E-04	1.80E+01	2.59E-04	9.58E-04	9.58E-04
186	12-75 Water Heaters, Natural Gas	S	V	NO ₂	267279	3910707	1.28E-01	1.61E-02	3.08E+02	4.44E-03	1.61E-02	1.61E-02
188	16-10 Water Heaters, Natural Gas	S	V	NO ₂	265891	3911244	9.50E-02	1.20E-02	2.30E+02	3.31E-03	1.20E-02	1.20E-02

**TABLE B.3.6–1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
189	16-12 Water Heaters, Natural Gas	S	V	NO ₂	268836	3911272	2.55E-01	3.21E-02	6.15E+02	8.86E-03	3.21E-02	3.21E-02
190	16-15 Water Heaters, Natural Gas	S	V	NO ₂	265822	3911413	2.95E-01	3.72E-02	7.14E+02	1.03E-02	3.72E-02	3.72E-02
22	16-7	W	V	NO ₂	263889	3912006	5.00E-03	6.30E-04	2.60E+00	3.74E-05	1.87E-05	9.36E-06
21	16-8	W	V	NO ₂	266975	3911176	5.00E-03	6.30E-04	2.60E+00	3.74E-05	1.87E-05	9.36E-06
161	9-4 Furnaces, Natural Gas	S	V	NO ₂	263530	3909933	1.19E-02	1.50E-03	2.90E+01	4.18E-04	1.50E-03	1.50E-03
162	9-5 Furnaces, Natural Gas	S	V	NO ₂	263502	3909982	1.19E-02	1.50E-03	2.90E+01	4.18E-04	1.50E-03	1.50E-03
163	9-6 Furnaces, Natural Gas	S	V	NO ₂	263407	3910183	1.19E-02	1.50E-03	2.90E+01	4.18E-04	1.50E-03	1.50E-03
2	Diesel Engines	S	A	NO ₂	267138	3910516	3.52E+02	4.44E+01	1.87E+04	2.69E-01	4.44E+01	4.44E+01
82	FS-10	S	V	NO ₂	266525	3914304	5.10E-01	6.43E-02	4.10E+00	5.90E-05	6.43E-02	6.43E-02
73	FS-10 (9404)	S	V	NO ₂	266525	3914304	NA	NA	1.60E+00	2.30E-05	2.30E-05	2.30E-05
72	FS-10 (LX10)	S	V	NO ₂	266525	3914304	NA	NA	1.14E+00	1.64E-05	1.64E-05	1.64E-05
67	FS-022	S	V	NO ₂	266603	3913623	1.00E-02	1.26E-03	2.00E-01	2.88E-06	1.44E-06	7.20E-07
65	FS-022 (XTX)	S	V	NO ₂	266603	3913623	NA	NA	1.40E+00	2.02E-05	2.02E-05	2.02E-05
134	FS-023	S	V	NO ₂	266926	3913964	1.14E-05	1.44E-06	NA	NA	1.44E-06	1.44E-06
66	FS-024	S	V	NO ₂	266094	3914090	7.00E-02	8.82E-03	2.00E-01	2.88E-06	8.82E-03	8.82E-03
15	Gasoline Engines	S	A	NO ₂	267272	3910461	NA	NA	3.91E+01	5.63E-04	5.63E-04	5.63E-04
1	Natural Gas Boilers (16-13)	S	P	NO ₂	266865	3910813	2.18E+01	2.75E+00	6.22E+04	8.96E-01	2.75E+00	2.75E+00
3	Natural Gas Engines	S	A	NO ₂	267138	3910516	1.85E+01	2.33E+00	9.75E+03	1.40E-01	2.33E+00	2.33E+00

**TABLE B.3.6-1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
14	Standby Diesel Generators (12-108)	S	A	NO ₂	267507	3910490	1.08E+02	1.36E+01	3.69E+03	5.31E-02	1.36E+01	1.36E+01
Total for NO₂							5.03E+02	6.20E+01	1.01E+05	1.46E+00	6.35E+01	6.34E+01
180	11-02 Water Heaters, Natural Gas	S	V	PM ₁₀	266711	3910086	2.61E-03	3.29E-04	6.30E+00	9.07E-05	3.29E-04	3.29E-04
164	11-027 Furnaces, Natural Gas	S	V	PM ₁₀	266716	3910060	1.43E-03	1.80E-04	3.45E+00	4.97E-05	1.80E-04	1.80E-04
165	11-029 Furnaces, Natural Gas	S	V	PM ₁₀	266739	3910123	1.67E-03	2.10E-04	4.03E+00	5.80E-05	2.10E-04	2.10E-04
166	11-30 Furnaces, Natural Gas	S	V	PM ₁₀	266620	3910690	2.85E-04	3.59E-05	7.00E-01	1.01E-05	3.59E-05	3.59E-05
158	11-36 Boiler, Natural Gas	S	V	PM ₁₀	266281	3910425	4.00E-04	5.04E-05	1.50E-01	2.16E-06	5.04E-05	5.04E-05
34	11-38	W	V	PM ₁₀	266270	3910207	2.10E-03	2.65E-04	2.70E-01	3.89E-06	1.32E-04	6.62E-05
159	11-43 Boiler, Natural Gas	S	V	PM ₁₀	266465	3910193	1.20E-03	1.51E-04	8.90E+00	1.28E-04	1.51E-04	1.51E-04
181	11-48 Water Heaters, Natural Gas	S	V	PM ₁₀	266556	3910123	7.61E-04	9.59E-05	1.85E+00	2.66E-05	9.59E-05	9.59E-05
172	12-100 Furnaces, Natural Gas	S	V	PM ₁₀	267312	3910811	8.69E-04	1.09E-04	2.08E+00	3.00E-05	1.09E-04	1.09E-04
173	12-101 Furnaces, Natural Gas	S	V	PM ₁₀	267788	3910873	9.64E-04	1.21E-04	2.33E+00	3.36E-05	1.21E-04	1.21E-04
174	12-102 Furnaces, Natural Gas	S	V	PM ₁₀	267715	3910718	1.19E-03	1.50E-04	2.88E+00	4.15E-05	1.50E-04	1.50E-04
175	12-106 Furnaces, Natural Gas	S	V	PM ₁₀	267688	3910796	1.14E-03	1.44E-04	2.80E+00	4.03E-05	1.44E-04	1.44E-04
176	12-106A Furnaces, Natural Gas	S	V	PM ₁₀	267675	3910761	1.70E-03	2.14E-04	4.15E+00	5.98E-05	2.14E-04	2.14E-04
177	12-107 Furnaces, Natural Gas	S	V	PM ₁₀	267692	3910852	2.38E-03	3.00E-04	5.68E+00	8.18E-05	3.00E-04	3.00E-04
47	12-111	W	V	PM ₁₀	267983	3910838	8.00E-02	1.01E-02	1.30E+00	1.87E-05	5.04E-03	2.52E-03
178	12-112 Furnaces, Natural Gas	S	V	PM ₁₀	267223	3910963	8.33E-04	1.05E-04	2.03E+00	2.92E-05	1.05E-04	1.05E-04
187	12-112 Water Heaters, Natural Gas	S	V	PM ₁₀	267223	3910963	1.76E-04	2.22E-05	4.30E-01	6.19E-06	2.22E-05	2.22E-05

**TABLE B.3.6–1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
179	12-113 Furnaces, Natural Gas	S	V	PM ₁₀	267365	3910842	7.73E-04	9.74E-05	1.88E+00	2.71E-05	9.74E-05	9.74E-05
19	12-13 Paper Incinerator	W	V	PM ₁₀	267993	3910661	1.47E+00	1.85E-01	2.63E+02	3.78E-03	9.26E-02	4.63E-02
48	12-16	W	V	PM ₁₀	267803	3910653	6.00E-01	7.56E-02	1.36E+01	1.96E-04	3.78E-02	1.89E-02
99	12-024	W	V	PM ₁₀	267616	3910122	4.90E-03	6.17E-04	2.10E-01	3.02E-06	3.09E-04	1.54E-04
168	12-028 Furnaces, Natural Gas	S	V	PM ₁₀	267788	3910703	2.71E-04	3.41E-05	1.40E+00	2.02E-05	3.41E-05	3.41E-05
169	12-36 Furnaces, Natural Gas	S	V	PM ₁₀	267393	3911010	9.52E-04	1.20E-04	2.30E+00	3.31E-05	1.20E-04	1.20E-04
170	12-39 Furnaces, Natural Gas	S	V	PM ₁₀	267378	3910887	2.38E-04	3.00E-05	5.80E-01	8.35E-06	3.00E-05	3.00E-05
185	12-39 Water Heaters, Natural Gas	S	V	PM ₁₀	267378	3910887	7.61E-04	9.59E-05	1.85E+00	2.66E-05	9.59E-05	9.59E-05
171	12-39A Furnaces, Natural Gas	S	V	PM ₁₀	267350	3910889	5.47E-04	6.89E-05	1.30E+00	1.87E-05	6.89E-05	6.89E-05
182	12-5 Water Heaters, Natural Gas	S	V	PM ₁₀	267872	3910891	1.36E-03	1.71E-04	3.30E+00	4.75E-05	1.71E-04	1.71E-04
70	12-5B	W	V	PM ₁₀	267785	3910973	NA	NA	9.61E+00	1.38E-04	6.92E-05	3.46E-05
167	12-6 Furnaces, Natural Gas	S	V	PM ₁₀	267846	3910820	1.90E-04	2.39E-05	4.50E-01	6.48E-06	2.39E-05	2.39E-05
183	12-6 Water Heaters, Natural Gas	S	V	PM ₁₀	267846	3910820	5.23E-04	6.59E-05	1.28E+00	1.84E-05	6.59E-05	6.59E-05
9	12-68	W	V	PM ₁₀	267845	3910587	NA	NA	1.05E+02	1.51E-03	7.56E-04	3.78E-04
184	12-7 Water Heaters, Natural Gas	S	V	PM ₁₀	267827	3910839	1.90E-04	2.39E-05	4.50E-01	6.48E-06	2.39E-05	2.39E-05
186	12-75 Water Heaters, Natural Gas	S	V	PM ₁₀	267279	3910707	3.19E-03	4.02E-04	7.70E+00	1.11E-04	4.02E-04	4.02E-04
188	16-10 Water Heaters, Natural Gas	S	V	PM ₁₀	265891	3911244	2.38E-03	3.00E-04	5.75E+00	8.28E-05	3.00E-04	3.00E-04
189	16-12 Water Heaters, Natural Gas	S	V	PM ₁₀	268836	3911272	6.37E-03	8.03E-04	1.54E+01	2.22E-04	8.03E-04	8.03E-04
190	16-15 Water Heaters, Natural Gas	S	V	PM ₁₀	265822	3911413	7.38E-03	9.30E-04	1.78E+01	2.56E-04	9.30E-04	9.30E-04
22	16-7	W	V	PM ₁₀	263889	3912006	8.30E-04	1.05E-04	4.20E-01	6.05E-06	5.23E-05	2.61E-05

**TABLE B.3.6-1.—Estimated Emission Rates from Facility-Wide Criteria Pollutants 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)
21	16-8	W	V	PM ₁₀	266975	3911176	8.30E-04	1.05E-04	4.20E-01	6.05E-06	5.23E-05	2.61E-05
161	9-4 Furnaces, Natural Gas	S	V	PM ₁₀	263530	3909933	2.97E-04	3.74E-05	7.30E-01	1.05E-05	3.74E-05	3.74E-05
162	9-5 Furnaces, Natural Gas	S	V	PM ₁₀	263502	3909982	2.97E-04	3.74E-05	7.30E-01	1.05E-05	3.74E-05	3.74E-05
163	9-6 Furnaces, Natural Gas	S	V	PM ₁₀	263407	3910183	2.97E-04	3.74E-05	7.30E-01	1.05E-05	3.74E-05	3.74E-05
2	Diesel Engines	S	A	PM ₁₀	267138	3910516	2.52E+01	3.18E+00	1.33E+03	1.92E-02	3.18E+00	3.18E+00
67	FS-022	S	V	PM ₁₀	266603	3913623	NA	NA	1.20E+00	1.73E-05	1.73E-05	1.73E-05
66	FS-024	S	V	PM ₁₀	266094	3914090	NA	NA	1.20E+00	1.73E-05	1.73E-05	1.73E-05
15	Gasoline Engines	S	A	PM ₁₀	267272	3910461	NA	NA	2.47E+00	3.56E-05	3.56E-05	3.56E-05
69	Grinding	S	A	PM ₁₀	265639	3910957	NA	NA	2.50E+01	3.60E-04	3.60E-04	3.60E-04
1	Natural Gas Boilers (16-13)	S	P	PM ₁₀	266865	3910813	9.00E-01	1.13E-01	2.23E+03	3.21E-02	1.13E-01	1.13E-01
14	Standby Diesel Generators (12-108)	S	A	PM ₁₀	267507	3910490	1.20E+00	1.51E-01	4.32E+01	6.22E-04	1.51E-01	1.51E-01
106	Welding & Cutting	S	V	PM ₁₀	265639	3910957	NA	NA	1.66E+02	2.39E-03	2.39E-03	2.39E-03
Total for PM₁₀							2.95E+01	3.72E+00	4.30E+03	6.20E-02	3.58E+0	3.52E+0

^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 emission 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).

NA - Emission rate was not quantified for modeling.

Source: PC 1994; calculated values.