

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
1,2-trichloroethane	2000	Annual	5.50E-01	6.89E-02	3.32E-02	1.43E-02	3.69E-03	2.25E-03	2.10E-03	2.19E-03	3.19E-03	4.99E-03	7.55E-03	4.82E-02
	1000	Annual	5.50E+01	3.42E-02	1.65E-02	7.08E-03	1.83E-03	1.12E-03	1.40E-03	1.08E-03	1.58E-03	2.47E-03	3.75E-03	2.39E-02
	500	Annual	5.50E+01	1.71E-02	8.23E-03	3.54E-03	9.15E-04	5.60E-04	7.00E-04	5.40E-04	7.90E-04	1.24E-03	1.88E-03	1.19E-02
1,1,2-trichloroethane	2000	30-min	5.50E+02	1.72E+01	2.26E+00	1.52E+00	1.16E+00	1.09E+00	1.27E+00	9.87E-01	1.07E+00	1.08E+00	1.82E+00	1.03E+01
	1000	30-min	5.50E+02	8.53E+00	1.12E+00	7.52E-01	5.78E-01	5.42E-01	6.31E-01	4.89E-01	5.31E-01	5.36E-01	9.04E-01	5.12E-01
	500	30-min	5.50E+02	4.27E+00	5.60E-01	3.76E-01	2.89E-01	2.71E-01	3.15E-01	2.45E-01	2.65E-01	2.68E-01	4.52E-01	2.56E-01
1,3-butadiene 45.4 kg (100 lb) HE	2000	Annual	1.10E+01	1.89E-03	1.71E-03	7.64E-04	5.40E-03	3.70E-04	3.40E-04	2.50E-04	8.60E-04	9.10E-04	2.38E-03	2.10E-03
	1000	Annual	1.10E+01	1.59E-03	1.53E-03	6.40E-04	4.80E-04	3.40E-04	3.20E-04	2.20E-04	8.10E-04	8.20E-04	2.19E-03	1.86E-03
	500	Annual	1.10E+01	1.45E-03	1.44E-03	5.80E-04	4.50E-04	3.20E-04	3.10E-04	2.10E-04	7.90E-04	7.80E-04	2.09E-03	1.73E-03
1,3-butadiene 45.4 kg (100 lb) HE	2000	30-min	1.10E+02	8.85E-01	9.75E-01	5.51E-01	4.96E-01	5.54E-01	4.57E-01	3.27E-01	1.27E+00	6.54E-01	1.85E+00	6.81E-01
	1000	30-min	1.10E+02	8.83E-01	9.74E-01	5.46E-01	4.94E-01	5.53E-01	4.55E-01	3.26E-01	1.26E-01	6.54E-01	1.85E+00	6.77E-01
	500	30-min	1.10E+02	8.82E-01	9.73E-01	5.44E-01	4.93E-01	5.53E-01	4.55E-01	3.25E-01	1.26E-01	6.53E-01	1.84E+00	6.75E-01
1,3-butadiene 800 kg (363 lb) HE	2000	Annual	1.10E+01	1.89E-03	1.71E-03	7.64E-04	5.40E-03	3.70E-04	3.40E-04	2.50E-04	8.60E-04	9.10E-04	2.38E-03	2.10E-03
	1000	Annual	1.10E+01	1.59E-03	1.53E-03	6.40E-04	4.80E-04	3.40E-04	3.20E-04	2.20E-04	8.10E-04	8.20E-04	2.19E-03	1.86E-03
	500	Annual	1.10E+01	1.45E-03	1.44E-03	5.80E-04	4.50E-04	3.20E-04	3.10E-04	2.10E-04	7.90E-04	7.80E-04	2.09E-03	1.73E-03
1,3-butadiene 45.4 kg (800 lb) HE	2000	30-min	1.10E+02	8.85E-01	9.75E-01	5.51E-01	4.96E-01	5.54E-01	4.57E-01	3.27E-01	1.27E+00	6.54E-01	1.85E+00	6.81E-01
	1000	30-min	1.10E+02	8.83E-01	9.74E-01	5.46E-01	4.94E-01	5.53E-01	4.55E-01	3.26E-01	1.26E-01	6.54E-01	1.85E+00	6.77E-01
	500	30-min	1.10E+02	8.82E-01	9.73E-01	5.44E-01	4.93E-01	5.53E-01	4.55E-01	3.25E-01	1.26E-01	6.53E-01	1.84E+00	6.75E-01
2-nitropropane	2000	Annual	5.00E+00	2.57E-02	2.39E-02	1.04E-02	2.53E-03	1.23E-03	1.20E-03	1.14E-03	2.15E-03	2.21E-03	4.12E-03	1.72E-02
	1000	Annual	5.00E+00	1.28E-02	1.12E-02	5.21E-03	1.27E-03	6.20E-04	6.00E-04	5.70E-04	1.07E-03	1.11E-03	2.06E-03	8.57E-03
	500	Annual	5.00E+00	6.41E-03	5.98E-03	2.60E-03	6.35E-04	3.10E-04	3.00E-04	2.85E-04	5.35E-04	5.55E-04	1.03E-03	4.28E-03
2-nitropropane	2000	30-min	5.00E+01	3.14E+00	2.95E+00	1.04E+00	6.37E-01	4.52E-01	5.60E-01	3.30E-01	2.49E+00	5.37E-01	1.03E+00	4.06E+00
	1000	30-min	5.00E+01	1.57E+00	1.48E+00	5.21E-01	3.18E-01	2.26E-01	2.80E-01	1.65E-01	1.25E+00	2.69E-01	5.13E-01	2.03E+00
	500	30-min	5.00E+01	7.87E-01	7.39E-01	2.61E-01	1.59E-01	1.13E-01	1.40E-01	8.25E-02	6.23E-01	1.19E-01	2.56E-01	1.02E+00
Alcohols ^a	2000	Annual	NA	4.41E-01	3.71E-01	1.86E-01	5.86E-02	3.36E-02	2.71E-02	2.91E-02	5.51E-02	9.87E-02	2.60E-01	3.26E-01
	1000	Annual	NA	2.89E-01	2.29E-01	1.24E-01	4.37E-02	2.63E-02	2.00E-02	2.24E-02	4.24E-02	8.57E-02	2.36E-01	2.25E-01
	500	Annual	NA	2.14E-01	1.59E-01	9.34E-02	3.62E-02	2.27E-02	1.64E-02	1.91E-02	3.60E-02	7.91E-02	2.24E-01	1.74E-01

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
Alcohols ^a	2000	30-min	1.00E+02	3.71E+01	3.48E+01	2.78E+01	1.35E+01	1.27E+01	1.20E+01	2.30E+01	2.94E+01	3.73E+01	1.12E+02	4.79E+01
	1000	30-min	1.00E+02	2.18E+01	2.92E+01	2.62E+01	1.35E+01	1.27E+01	1.20E+01	2.30E+01	1.47E+01	3.61E+01	1.12E+02	3.26E+01
	500	30-min	1.00E+02	2.18E+01	2.67E+01	2.54E+01	1.35E+01	1.27E+01	1.20E+01	2.30E+01	1.37E+01	3.55E+01	1.12E+02	3.26E+01
Benzene	2000	Annual	3.00E+01	3.59E-02	3.19E-02	1.53E-02	4.86E-03	2.76E-03	2.74E-03	2.50E-03	5.99E-03	7.54E-03	1.49E-02	2.65E-02
	1000	Annual	3.00E+01	1.17E-02	8.74E-03	5.82E-03	2.74E-03	1.91E-03	1.74E-03	1.86E-03	4.47E-03	5.40E-03	1.16E-02	1.03E-02
	500	Annual	3.00E+01	1.16E-02	8.64E-03	5.75E-03	2.71E-03	1.89E-03	1.73E-03	1.84E-03	4.44E-03	5.35E-03	1.15E-02	1.02E-02
Benzene	2000	30-min	7.50E+01	3.22E+00	3.04E+00	1.12E+00	7.72E-01	6.38E-01	6.83E-01	6.56E-01	2.55E+00	1.85E+00	2.76E+00	4.16E+00
	1000	30-min	7.50E+01	2.25E+00	1.68E+00	1.09E+00	1.74E-01	6.38E-01	6.26E-01	1.93E-01	1.45E+00	1.78E+00	1.91E+00	1.55E+00
	500	30-min	7.50E+01	2.24E+00	1.68E+00	1.09E+00	1.74E-01	6.36E-01	6.25E-01	1.93E-01	1.44E+00	1.78E+00	1.91E+00	1.54E+00
Carbon Disulfide	2000	Annual	3.00E+00	6.78E-02	6.32E-02	2.76E+00	6.70E-02	3.26E-03	3.17E-03	3.01E-02	5.69E-03	5.85E-03	1.09E-02	4.53E-02
	1000	Annual	3.00E+00	3.39E-02	3.16E-02	1.38E-02	3.35E-03	1.63E-03	1.59E-03	1.51E-03	2.84E-03	2.93E-03	5.45E-03	2.27E-02
	500	Annual	3.00E+00	1.70E-02	1.58E-02	6.90E-03	1.68E-03	8.10E-04	7.90E-04	7.50E-04	1.42E-03	1.46E-03	2.73E-03	1.13E-02
Carbon Disulfide	2000	30-min	3.00E+01	8.33E+00	7.81E+00	2.76E+00	1.68E+00	1.19E+00	1.48E+00	8.73E-01	6.59E+00	1.42E+00	2.71E+00	1.08E+01
	1000	30-min	3.00E+01	4.16E+00	3.91E+00	1.38E+00	8.42E-01	5.97E-01	7.41E-01	4.37E-01	3.30E+00	7.10E-01	1.36E+00	5.37E+00
	500	30-min	3.00E+01	2.08E+00	1.95E+00	6.90E-01	4.21E-01	2.99E-01	3.70E-01	2.18E-01	1.65E+00	3.55E-01	6.78E-01	2.69E+00
Carbon Tetrachloride	2000	Annual	1.30E+01	5.92E-02	5.52E-02	2.41E-02	5.85E-03	2.84E-03	2.77E-03	2.63E-03	4.96E-03	5.10E-03	9.51E-03	3.95E-02
	1000	Annual	1.30E+01	2.94E-02	2.74E-02	1.19E-02	2.90E-03	1.41E-03	1.37E-03	1.30E-03	2.46E-03	2.53E-03	4.72E-03	1.96E-02
	500	Annual	1.30E+01	1.47E-02	1.37E-02	5.97E-03	1.45E-03	7.05E-04	6.85E-04	6.50E-04	1.23E-03	1.27E-03	2.36E-03	9.82E-03
Carbon Tetrachloride	2000	30-min	1.26E+02	7.26E+00	6.81E+00	2.41E+00	1.47E+00	1.04E+00	1.29E+00	7.62E-01	5.75E+00	1.24E+00	2.37E+00	9.37E+00
	1000	30-min	1.26E+02	3.61E+00	3.38E+00	1.19E+00	7.29E-01	5.17E-01	6.42E-01	3.78E-01	2.86E+00	6.15E-01	1.18E+00	4.65E+00
	500	30-min	1.26E+02	1.80E+00	1.69E+00	5.97E-01	3.65E-01	2.59E-01	3.21E-01	1.89E-01	1.43E+00	3.08E-01	5.88E-01	2.33E+00
Chlorobenzene	2000	Annual	4.60E+01	5.87E-02	5.48E-02	2.39E-02	5.81E-03	2.82E-03	2.75E-03	2.61E-03	4.92E-03	5.07E-03	9.44E-03	3.93E-02
	1000	Annual	4.60E+01	2.94E-02	2.74E-02	1.19E-02	2.90E-03	1.41E-03	1.37E-03	1.30E-03	2.46E-03	2.53E-03	4.72E-03	1.96E-02
	500	Annual	4.60E+01	1.47E-02	1.37E-02	5.97E-03	1.45E-03	7.05E-04	6.85E-04	6.50E-04	1.23E-03	1.27E-03	2.36E-03	9.82E-03
Chlorobenzene	2000	30-min	4.60E+02	7.21E+00	6.77E+00	2.39E+00	1.46E+00	1.03E+00	1.28E+00	7.56E-01	5.71E+00	1.23E+00	2.35E+00	9.31E+00
	1000	30-min	4.60E+02	3.61E+00	3.38E+00	1.19E+00	7.29E-01	5.17E-01	6.42E-01	3.78E-01	2.86E+00	6.15E-01	1.18E+00	4.65E+00
	500	30-min	4.60E+02	1.80E+00	1.69E+00	5.97E-01	3.65E-01	2.59E-01	3.21E-01	1.89E-01	1.43E+00	3.08E-01	5.88E-01	2.33E+00

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
Chromium - 45.4 kg (100 lb) HE	2000	Annual	1.00E-01	9.00E-05	4.30E-04	1.22E-03	1.00E-04	4.00E-05	3.00E-05	3.00E-05	3.00E-05	2.00E-05	4.00E-05	6.00E-05
	1000	Annual	1.00E-01	9.00E-05	4.30E-04	1.22E-03	1.00E-04	4.00E-05	3.00E-05	3.00E-05	3.00E-05	2.00E-05	4.00E-05	6.00E-05
	500	Annual	1.00E-01	9.00E-05	4.30E-04	1.22E-03	1.00E-04	4.00E-05	3.00E-05	3.00E-05	3.00E-05	2.00E-05	4.00E-05	6.00E-05
Chromium - 45.4 kg (100 lb) HE	2000	30-min	1.00E+00	3.08E-02	4.06E-02	7.68E-02	3.78E-02	2.17E-02	1.12E-02	1.17E-02	9.15E-03	1.29E-02	1.60E-02	2.05E-02
	1000	30-min	1.00E+00	3.08E-02	4.06E-02	7.38E-02	3.01E-02	2.17E-02	1.12E-02	1.17E-02	9.15E-03	1.29E-02	1.60E-02	2.05E-02
	500	30-min	1.00E+00	4.38E-03	5.21E-03	5.96E-03	3.58E-03	2.73E-03	1.93E-03	2.84E-03	3.88E-03	4.17E-03	4.31E-03	4.70E-03
Chromium - 363 kg (800 lb) HE	2000	Annual	1.00E-01	3.00E-05	7.00E-05	8.00E-05	2.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05	1.00E-05	1.00E-05	2.00E-05
	1000	Annual	1.00E-01	3.00E-05	7.00E-05	8.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05	1.00E-05	1.00E-05	2.00E-05
	500	Annual	1.00E-01	3.00E-05	7.00E-05	8.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05	1.00E-05	1.00E-05	2.00E-05
Chromium - 363 kg (800 lb) HE	2000	30-min	1.00E+00	2.51E-02	3.79E-02	7.67E-02	3.62E-02	2.16E-02	1.14E-02	1.04E-02	7.53E-03	9.99E-03	9.45E-03	1.63E-02
	1000	30-min	1.00E+00	4.38E-03	5.21E-03	5.96E-03	3.58E-03	2.73E-03	1.93E-03	2.84E-03	3.88E-03	4.17E-03	4.31E-03	4.70E-03
	500	30-min	1.00E+00	4.38E-03	5.21E-03	5.96E-03	3.58E-03	2.73E-03	1.93E-03	2.84E-03	3.88E-03	4.17E-03	4.31E-03	4.70E-03
Chromium - BGU	2000	Annual	1.00E-01	8.00E-05	3.90E-04	9.90E-04	1.00E-04	4.00E-05	3.00E-05	2.00E-05	3.00E-05	2.00E-05	3.00E-05	5.00E-05
	1000	Annual	1.00E-01	8.00E-05	3.90E-04	9.90E-04	1.00E-04	4.00E-05	3.00E-05	2.00E-05	3.00E-05	2.00E-05	3.00E-05	5.00E-05
	500	Annual	1.00E-01	8.00E-05	3.90E-04	9.90E-04	1.00E-04	4.00E-05	3.00E-05	2.00E-05	3.00E-05	2.00E-05	3.00E-05	5.00E-05
Chromium - BGU	2000	30-min	1.00E+00	2.51E-02	3.79E-02	7.67E-02	3.62E-02	2.16E-02	1.14E-02	1.04E-02	7.53E-03	9.99E-03	9.45E-03	1.63E-02
	1000	30-min	1.00E+00	2.51E-02	3.79E-02	7.67E-02	3.62E-02	2.16E-02	1.14E-02	1.04E-02	7.53E-03	9.99E-03	9.45E-03	1.63E-02
	500	30-min	1.00E+00	2.51E-02	3.79E-02	7.67E-02	3.62E-02	2.16E-02	1.14E-02	1.04E-02	7.53E-03	9.99E-03	9.45E-03	1.63E-02
CO - 45.4 kg (100 lb) HE	2000	1-hour	4.00E+04 ^b	2.28E+02	4.92E+02	1.81E+02	4.03E+01	3.23E+01	2.99E+01	2.81E+01	6.06E+01	7.54E+01	1.18E+02	1.39E+02
	1000	1-hour	4.00E+04 ^b	2.27E+02	4.92E+02	1.81E+02	4.03E+01	3.23E+01	2.95E+01	2.76E+01	6.01E+01	7.49E+01	1.17E+02	1.39E+02
	500	1-hour	4.00E+04 ^b	2.27E+02	4.92E+02	1.81E+02	4.03E+01	3.23E+01	2.94E+01	2.75E+01	6.01E+01	7.47E+01	1.17E+02	1.39E+02
CO - 45.4 kg (100 lb) HE	2000	8-hour	1.00E+04 ^b	5.22E+01	8.19E+01	2.26E+01	8.40E+00	6.85E+00	9.36E+00	6.19E+00	9.29E+00	1.33E+01	2.51E+01	1.73E+01
	1000	8-hour	1.00E+04 ^b	5.22E+01	8.19E+01	2.26E+01	8.29E+00	6.75E+00	9.28E+00	6.11E+00	9.09E+00	1.31E+01	2.49E+01	1.73E+01
	500	8-hour	1.00E+04 ^b	5.22E+01	8.18E+01	2.26E+01	8.26E+00	6.73E+00	9.27E+00	6.10E+00	9.08E+00	1.31E+01	2.48E+01	1.73E+01
CO - 363 kg (800 lb) HE	2000	1-hour	4.00E+04 ^b	2.28E+02	4.92E+02	1.81E+02	4.03E+01	3.23E+01	2.99E+01	2.81E+01	6.06E+01	7.54E+01	1.18E+02	1.39E+02
	1000	1-hour	4.00E+04 ^b	2.27E+02	4.92E+02	1.81E+02	4.03E+01	3.23E+01	2.95E+01	2.76E+01	6.01E+01	7.49E+01	1.17E+02	1.39E+02
	500	1-hour	4.00E+04 ^b	2.27E+02	4.92E+02	1.81E+02	4.03E+01	3.23E+01	2.94E+01	2.75E+01	6.01E+01	7.47E+01	1.17E+02	1.39E+02

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
CO - 363 kg (800 lb) HE	2000	8-hour	1.00E+04 ^b	5.22E+01	8.19E+01	2.26E+01	8.40E+00	6.83E+00	9.36E+00	6.20E+00	9.29E+00	1.33E+01	2.51E+01	1.73E+01
	1000	8-hour	1.00E+04 ^b	5.22E+01	8.19E+01	2.26E+01	8.29E+00	6.74E+00	9.28E+00	6.13E+00	9.09E+00	1.32E+01	2.49E+01	1.73E+01
	500	8-hour	1.00E+04 ^b	5.22E+01	8.18E+01	2.26E+01	8.25E+00	6.71E+00	9.27E+00	6.11E+00	9.08E+00	1.31E+01	2.48E+01	1.73E+01
CO - BGU	2000	1-hour	4.00E+04 ^b	2.83E+03	1.34E+03	1.21E+03	5.70E+02	3.45E+02	1.79E+02	1.63E+02	1.89E+02	3.51E+02	1.37E+03	3.18E+02
	1000	1-hour	4.00E+04 ^b	2.83E+03	1.34E+03	1.21E+03	5.70E+02	3.45E+02	1.79E+02	1.63E+02	1.89E+02	3.51E+02	1.37E+03	3.18E+02
	500	1-hour	4.00E+04 ^b	2.83E+03	1.34E+03	1.21E+03	5.70E+02	3.45E+02	1.79E+02	1.63E+02	1.89E+02	3.51E+02	1.37E+03	3.18E+02
CO - BGU	2000	8-hour	1.00E+04 ^b	3.81E+02	1.94E+02	2.98E+02	9.55E+01	8.16E+01	2.98E+01	2.24E+01	2.92E+01	5.08E+01	1.79E+02	6.11E+01
	1000	8-hour	1.00E+04 ^b	3.81E+02	1.94E+02	2.98E+02	9.55E+01	8.16E+01	2.98E+01	2.24E+01	2.92E+01	5.08E+01	1.79E+02	6.11E+01
	500	8-hour	1.00E+04 ^b	3.81E+02	1.94E+02	2.98E+02	9.55E+01	8.16E+01	2.98E+01	2.24E+01	2.92E+01	5.08E+01	1.79E+02	6.11E+01
Cresols	2000	Annual	NA	1.24E-03	1.16E-03	5.00E-04	1.20E-04	6.00E-05	6.00E-05	6.00E-05	1.00E-04	1.10E-04	2.00E-04	2.00E-04
	1000	Annual	NA	6.20E-04	5.80E-04	2.50E-04	6.00E-05	3.00E-05	3.00E-05	3.00E-05	5.00E-05	5.00E-05	1.00E-04	1.00E-04
	500	Annual	NA	3.10E-04	2.89E-04	1.26E-04	3.10E-05	1.50E-05	1.50E-05	1.50E-05	2.60E-05	2.60E-05	5.00E-05	5.00E-05
Cresols	2000	30-min	5.0E+00	1.89E-01	1.78E-01	6.28E-02	3.83E-02	2.72E-02	3.37E-02	1.99E-02	1.50E-01	3.25E-02	6.17E-02	2.44E-01
	1000	30-min	5.0E+00	7.62E-02	7.15E-02	2.52E-02	1.54E-02	1.09E-02	1.35E-02	7.99E-03	6.03E-02	1.30E-02	2.48E-02	9.83E-02
	500	30-min	5.0E+00	3.81E-02	3.57E-02	1.26E-02	7.21E-03	5.46E-03	6.78E-03	4.00E-03	3.01E-02	6.50E-03	1.24E-02	4.92E-02
Cresylic Acid	2000	Annual	NA	1.54E-03	1.44E-03	6.30E-04	1.50E-04	7.00E-05	7.00E-05	7.00E-05	1.30E-04	1.30E-04	2.50E-04	1.03E-03
	1000	Annual	NA	7.70E-04	7.20E-04	3.15E-04	8.00E-05	4.00E-05	4.00E-05	4.00E-05	6.00E-05	7.00E-05	1.20E-04	5.15E-04
	500	Annual	NA	3.85E-04	3.60E-04	1.57E-04	4.00E-05	2.00E-05	2.00E-05	2.00E-05	3.00E-05	3.00E-05	6.00E-05	2.57E-04
Cresylic Acid	2000	30-min	5.0E+00	1.89E-01	1.78E-01	6.28E-02	3.83E-02	2.72E-02	3.37E-02	1.99E-02	1.50E-01	3.23E-02	6.17E-02	2.44E-01
	1000	30-min	5.0E+00	9.45E-02	8.86E-02	3.13E-02	1.91E-02	1.35E-02	1.68E-02	9.95E-03	7.48E-02	1.61E-02	3.08E-02	1.22E-01
	500	30-min	5.0E+00	4.73E-02	4.44E-02	1.57E-02	9.08E-03	6.79E-03	8.42E-03	4.97E-03	3.74E-02	8.08E-03	1.54E-02	6.11E-02
Dibenzofurans - 45.4 kg (100 lb) HE	2000	Annual	NA	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	Annual	NA	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	Annual	NA	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dibenzofurans - 45.4 kg (100 lb) HE	2000	30-min	NA	3.00E-04	4.00E-04	7.30E-04	3.00E-04	2.10E-04	1.10E-04	1.20E-04	9.00E-05	1.30E-04	1.60E-04	2.00E-04
	1000	30-min	NA	3.00E-04	4.00E-04	7.30E-04	3.00E-04	2.10E-04	1.10E-04	1.20E-04	9.00E-05	1.30E-04	1.60E-04	2.00E-04
	500	30-min	NA	3.00E-04	4.00E-04	7.30E-04	3.00E-04	2.10E-04	1.10E-04	1.20E-04	9.00E-05	1.30E-04	1.60E-04	2.00E-04

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
Dibenzofurans - 363 kg (800 lb) HE	2000	Annual	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	Annual	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	Annual	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dibenzofurans - 363 kg (800 lb) HE	2000	30-min	NA	4.00E-05	5.00E-05	6.00E-05	4.00E-05	3.00E-05	2.00E-05	3.00E-05	4.00E-05	4.00E-05	4.00E-05	4.00E-05
	1000	30-min	NA	4.00E-05	5.00E-05	6.00E-05	4.00E-05	3.00E-05	2.00E-05	3.00E-05	4.00E-05	4.00E-05	4.00E-05	4.00E-05
	500	30-min	NA	4.00E-05	5.00E-05	6.00E-05	4.00E-05	3.00E-05	2.00E-05	3.00E-05	4.00E-05	4.00E-05	4.00E-05	4.00E-05
Dimethylformamide	2000	Annual	3.00E+01	3.44E-02	3.44E-02	2.96E-02	1.64E-02	1.11E-02	5.42E-03	7.13E-03	1.62E-02	1.75E-02	2.67E-02	3.09E-02
	1000	Annual	3.00E+01	3.44E-02	3.44E-02	2.96E-02	1.64E-02	1.11E-02	5.42E-03	7.13E-03	1.62E-02	1.75E-02	2.67E-02	3.09E-02
	500	Annual	3.00E+01	3.44E-02	3.44E-02	2.96E-02	1.64E-02	1.11E-02	5.42E-03	7.13E-03	1.62E-02	1.75E-02	2.67E-02	3.09E-02
Dimethylformamide	2000	30-min	3.00E+02	6.82E+00	8.30E+00	8.52E+00	3.13E+00	5.90E+00	6.70E+00	6.23E+00	6.06E+00	7.08E+00	1.41E+00	7.15E+00
	1000	30-min	3.00E+02	6.82E+00	8.30E+00	8.52E+00	3.13E+00	5.90E+00	6.70E+00	6.23E+00	6.06E+00	7.08E+00	1.41E+00	7.15E+00
	500	30-min	3.00E+02	6.82E+00	8.30E+00	8.52E+00	3.13E+00	5.90E+00	6.70E+00	6.23E+00	6.06E+00	7.08E+00	1.41E+00	7.15E+00
Ester Glycol Ethers	2000	Annual	NA	1.08E-01	1.01E-01	4.39E-02	1.01E-02	5.18E-03	5.05E-03	4.79E-03	9.05E-03	9.32E-03	1.73E-02	7.22E-02
	1000	Annual	NA	5.42E-02	5.04E-02	2.20E-02	5.36E-03	2.60E-03	2.53E-03	2.41E-03	4.54E-03	4.68E-03	8.71E-03	3.62E-02
	500	Annual	NA	2.68E-02	2.51E-02	1.01E-02	2.66E-03	1.29E-03	1.26E-03	1.19E-03	2.50E-03	2.32E-03	4.32E-03	1.79E-02
Ester Glycol Ethers	2000	30-min	NA	1.32E+01	1.24E+01	4.39E+00	2.68E+00	1.91E+00	2.36E+00	1.39E+00	1.05E+01	2.26E+00	4.32E+00	1.71E+01
	1000	30-min	NA	6.65E+00	6.24E+00	2.20E+00	1.34E+00	9.51E-01	1.18E+00	6.98E-01	5.27E+00	1.13E+00	2.17E+00	8.59E+00
	500	30-min	NA	3.30E+00	3.09E+00	1.09E+00	6.69E-01	4.73E-01	5.87E-01	3.46E-01	2.61E+00	5.63E-01	1.07E+00	4.26E+00
Ethyl Acetate	2000	Annual	1.44E+03	2.31E+00	1.68E+00	1.02E+00	4.05E+00	2.56E-01	1.84E-01	2.14E-01	4.06E-01	9.91E-01	2.57E+00	1.91E+00
	1000	Annual	1.44E+03	1.96E+00	1.36E+00	8.76E-01	3.70E-01	2.39E-01	1.67E-01	1.99E-01	3.77E-01	8.79E-01	2.52E+00	1.68E+00
	500	Annual	1.44E+03	1.79E+00	1.20E+00	8.00E-01	3.53E-01	2.31E-01	1.59E-01	1.91E-01	3.62E-01	8.64E-01	2.49E-01	1.56E+00
Ethyl Acetate	2000	30-min	1.44E+04	2.48E+02	2.95E+02	2.89E+02	1.53E+02	1.46E+02	1.37E+02	2.61E+02	1.55E+02	3.94E+02	1.26E+03	3.67E+02
	1000	30-min	1.44E+04	2.48E+02	2.84E+02	2.85E+02	1.53E+02	1.46E+02	1.37E+02	2.61E+02	1.55E+02	3.91E+02	1.26E+03	3.67E+02
	500	30-min	1.44E+04	2.48E+02	2.78E+02	2.83E+02	1.53E+02	1.45E+02	1.37E+02	2.61E+02	1.55E+02	3.90E+02	1.26E+03	3.67E+02
Ethyl Benzene	2000	Annual	4.34E+02	4.68E-02	4.36E-02	1.90E-02	4.62E-03	2.24E-03	2.19E-03	2.08E-03	3.92E-03	4.03E-03	7.51E-03	3.13E-02
	1000	Annual	4.34E+02	2.34E-02	2.18E-02	9.50E-03	2.31E-03	1.12E-03	1.10E-03	1.04E-03	1.96E-03	2.02E-03	3.76E-03	1.56E-02
	500	Annual	4.34E+02	1.17E-02	1.09E-02	4.75E-03	1.15E-03	5.60E-04	5.50E-04	5.20E-04	9.80E-04	1.01E-03	1.88E-03	7.80E-03

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
Ethyl Benzene	2000	30-min	2.00E+03	5.74E+00	5.38E+00	1.90E+00	1.16E+00	8.23E-01	1.02E+00	6.02E-01	4.54E+00	9.79E-01	1.87E+00	7.41E+00
	1000	30-min	2.00E+03	2.87E+00	2.69E+00	9.51E-01	5.80E-01	4.12E-01	5.11E-01	3.01E-01	2.27E+00	4.90E-01	9.35E-01	3.70E+00
	500	30-min	2.00E+03	1.43E+00	1.34E+00	4.75E-01	2.90E-01	2.06E-01	2.55E-01	1.50E-01	1.13E+00	2.45E-01	4.67E-01	1.85E+00
Ethylene Dichloride	2000	Annual	4.00E+00	4.07E-02	1.31E-02	5.72E-03	1.39E-03	6.70E-04	6.60E-04	6.20E-04	1.18E-03	1.21E-03	2.26E-03	9.40E-03
	1000	Annual	4.00E+00	2.04E-02	6.56E-03	2.86E-03	6.95E-04	3.35E-04	3.30E-04	3.10E-04	5.90E-04	6.05E-04	1.13E-03	4.70E-03
	500	Annual	4.00E+00	1.02E-02	3.28E-03	1.43E-03	3.47E-04	1.65E-04	1.65E-04	1.55E-04	2.95E-04	3.02E-04	5.65E-04	2.35E-03
Ethylene Dichloride	2000	30-min	1.60E+02	1.73E+00	1.62E+00	5.72E-01	3.49E-01	2.48E-01	3.07E-01	1.81E-01	1.37E+00	2.95E-01	5.63E-01	2.23E+00
	1000	30-min	1.60E+02	8.63E-01	8.10E-01	2.86E-01	1.75E-01	1.24E-01	1.54E-01	9.00E-02	6.84E-01	1.47E-01	2.81E-01	1.11E+00
	500	30-min	1.60E+02	4.30E-01	4.05E-01	1.43E-01	8.75E-02	6.20E-02	7.70E-02	4.51E-02	3.42E-01	7.35E-02	1.40E-01	5.55E-01
Formaldehyde - 45.4 kg (100 lb) HE	2000	Annual	1.50E+00	7.10E-04	7.70E-04	4.80E-04	2.10E-04	1.30E-04	7.00E-05	1.00E-04	1.90E-04	2.70E-04	5.30E-04	6.20E-04
	1000	Annual	1.50E+00	7.00E-04	7.70E-04	4.80E-04	2.10E-04	1.30E-04	7.00E-05	1.00E-04	1.90E-04	2.70E-04	5.20E-04	6.10E-04
	500	Annual	1.50E+00	6.90E-04	7.60E-04	4.80E-04	2.10E-04	1.30E-04	7.00E-05	1.00E-04	1.80E-04	2.70E-04	5.10E-04	6.10E-04
Formaldehyde - 45.4 kg (100 lb) HE	2000	30-min	1.50E+01	7.71E-02	8.20E-02	4.63E-02	3.04E-02	4.01E-02	3.56E-02	4.74E-02	3.40E-02	6.32E-02	8.43E-02	7.87E-02
	1000	30-min	1.50E+01	7.71E-02	8.20E-02	4.63E-02	3.04E-02	3.96E-02	3.55E-02	4.74E-02	3.39E-02	6.32E-02	8.43E-02	7.87E-02
	500	30-min	1.50E+01	7.71E-02	8.20E-02	4.63E-02	3.04E-02	3.94E-02	3.55E-02	4.74E-02	3.39E-02	6.32E-02	8.43E-02	7.87E-02
Formaldehyde - 363 kg (800 lb) HE	2000	Annual	1.50E+00	7.10E-04	7.70E-04	4.80E-04	2.10E-04	1.30E-04	7.00E-05	1.00E-04	1.90E-04	2.70E-04	5.30E-04	6.70E-04
	1000	Annual	1.50E+00	7.00E-04	7.70E-04	4.80E-04	2.10E-04	1.30E-04	7.00E-05	1.00E-04	1.90E-04	2.70E-04	5.20E-04	6.10E-04
	500	Annual	1.50E+00	6.90E-04	7.60E-04	4.80E-04	2.10E-04	1.30E-04	7.00E-05	1.00E-04	1.80E-04	2.70E-04	5.10E-04	6.10E-04
Formaldehyde - 363 kg (800 lb) HE	2000	30-min	1.50E+01	7.71E-02	8.20E-02	4.63E-02	3.04E-02	4.01E-02	3.56E-02	4.74E-02	3.40E-02	6.32E-02	8.43E-02	7.87E-02
	1000	30-min	1.50E+01	7.71E-02	8.20E-02	4.63E-02	3.04E-02	3.96E-02	3.55E-02	4.74E-02	3.39E-02	6.32E-02	8.43E-02	7.87E-02
	500	30-min	1.50E+01	7.71E-02	8.20E-02	4.63E-02	3.04E-02	3.94E-02	3.55E-02	4.74E-02	3.39E-01	6.32E-02	8.43E-02	7.87E-02
Hydrogen Chloride - 45.4 kg (100 lb) HE	2000	Annual	1.00E-01	5.65E-03	2.64E-02	7.52E-02	6.27E-03	2.42E-03	1.66E-03	1.65E-03	1.92E-03	1.51E-03	2.16E-03	3.54E-03
	1000	Annual	1.00E-01	5.65E-03	2.64E-02	7.52E-02	6.27E-03	2.42E-03	1.66E-03	1.65E-03	1.92E-03	1.51E-03	2.16E-03	3.54E-03
	500	Annual	1.00E-01	5.65E-03	2.64E-02	7.52E-02	6.27E-03	2.42E-03	1.66E-03	1.65E-03	1.92E-03	1.51E-03	2.16E-03	3.54E-03
Hydrogen Chloride - 45.4 kg (100 lb) HE	2000	30-min	7.50E+01	1.89E+00	2.49E+00	4.54E+00	1.85E+00	1.34E+00	6.90E-01	7.78E-01	5.64E-01	7.96E-01	9.86E-01	1.26E+00
	1000	30-min	7.50E+01	1.89E+00	2.49E+00	4.54E+00	1.85E+00	1.34E+00	6.90E-01	7.78E-01	5.64E-01	7.96E-01	9.86E-01	1.26E+00
	500	30-min	7.50E+01	1.89E+00	2.49E+00	4.54E+00	1.85E+00	1.34E+00	6.90E-01	7.78E-01	5.64E-01	7.96E-01	9.86E-01	1.26E+00

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
Hydrogen Chloride - 363 kg (800 lb) HE	2000	Annual	1.00E-01	1.57E-03	3.77E-03	4.10E-03	7.90E-04	5.20E-04	7.30E-04	7.40E-04	1.00E-03	6.00E-04	7.40E-04	1.17E-03
	1000	Annual	1.00E-01	1.57E-03	3.77E-03	4.10E-03	7.90E-04	5.20E-04	7.30E-04	7.40E-04	1.00E-03	6.00E-04	7.40E-04	1.17E-03
	500	Annual	1.00E-01	1.57E-03	3.77E-03	4.10E-03	7.90E-04	5.20E-04	7.30E-04	7.40E-04	1.00E-03	6.00E-04	7.40E-04	1.17E-03
Hydrogen Chloride - 363 kg (800 lb) HE	2000	30-min	7.50E+01	2.33E-01	2.78E-01	3.18E-01	1.91E-01	1.45E-01	1.03E-01	1.51E-01	2.07E-01	2.22E-01	2.30E-01	2.51E-01
	1000	30-min	7.50E+01	2.33E-01	2.78E-01	3.18E-01	1.91E-01	1.45E-01	1.03E-01	1.51E-01	2.07E-01	2.22E-01	2.30E-01	2.51E-01
	500	30-min	7.50E+01	2.33E-01	2.78E-01	3.18E-01	1.91E-01	1.45E-01	1.03E-01	1.51E-01	2.07E-01	2.22E-01	2.30E-01	2.51E-01
Hydrogen Chloride - BGU	2000	Annual	1.00E-01	3.85E-03	1.81E-02	4.60E-02	4.56E-03	1.70E-03	1.17E-03	1.15E-03	1.35E-03	1.04E-03	1.46E-03	2.50E-03
	1000	Annual	1.00E-01	3.85E-03	1.81E-02	4.60E-02	4.56E-03	1.70E-03	1.17E-03	1.15E-03	1.35E-03	1.04E-03	1.46E-03	2.50E-03
	500	Annual	1.00E-01	3.85E-03	1.81E-02	4.60E-02	4.56E-03	1.70E-03	1.17E-03	1.15E-03	1.35E-03	1.04E-03	1.46E-03	2.50E-03
Hydrogen Chloride - BGU	2000	30-min	7.50E+01	1.17E+00	1.76E+00	3.56E+00	1.68E+00	9.99E-01	5.26E-01	4.80E-01	3.49E-01	4.63E-01	4.39E-01	7.54E-01
	1000	30-min	7.50E+01	1.17E+00	1.76E+00	3.56E+00	1.68E+00	9.99E-01	5.26E-01	4.80E-01	3.49E-01	4.63E-01	4.39E-01	7.54E-01
	500	30-min	7.50E+01	1.17E+00	1.76E+00	3.56E+00	1.68E+00	9.99E-01	5.26E-01	4.80E-01	3.49E-01	4.63E-01	4.39E-01	7.54E-01
Hydrogen Fluoride - 45.4 kg (100 lb) HE	2000	3-hour	4.90E+00	3.72E-01	1.13E+00	2.84E+00	1.08E+00	4.59E-01	4.85E-01	2.85E-01	2.34E-01	9.26E-01	1.26E-01	3.71E-01
	1000	3-hour	4.90E+00	3.72E-01	1.13E+00	2.84E+00	1.08E+00	4.59E-01	4.85E-01	2.85E-01	2.34E-01	9.26E-01	1.26E-01	3.71E-01
	500	3-hour	4.90E+00	3.72E-01	1.13E+00	2.84E+00	1.08E+00	4.59E-01	4.85E-01	2.85E-01	2.34E-01	9.26E-01	1.26E-01	3.71E-01
Hydrogen Fluoride - 45.4 kg (100 lb) HE	2000	12-hour	3.68E+00	9.30E-02	2.83E-01	7.11E-01	2.94E-01	1.15E-01	1.21E-01	7.12E-02	5.85E-02	2.31E-02	3.15E-02	9.27E-02
	1000	12-hour	3.68E+00	9.30E-02	2.83E-01	7.11E-01	2.94E-01	1.15E-01	1.21E-01	7.12E-02	5.85E-02	2.31E-02	3.15E-02	9.27E-02
	500	12-hour	3.68E+00	9.30E-02	2.83E-01	7.11E-01	2.94E-01	1.15E-01	1.21E-01	7.12E-02	5.85E-02	2.31E-02	3.15E-02	9.27E-02
Hydrogen Fluoride - 45.4 kg (100 lb) HE	2000	24-hour	2.86E+00	4.65E-02	1.67E-01	4.24E-01	2.09E-01	5.74E-02	7.23E-02	3.71E-02	2.93E-02	1.16E-02	1.57E-02	4.63E-02
	1000	24-hour	2.86E+00	4.65E-02	1.67E-01	4.24E-01	2.09E-01	5.74E-02	7.23E-02	3.71E-02	2.93E-02	1.16E-02	1.57E-02	4.63E-02
	500	24-hour	2.86E+00	4.65E-02	1.67E-01	4.24E-01	2.09E-01	5.74E-02	7.23E-02	3.71E-02	2.93E-02	1.16E-02	1.57E-02	4.63E-02
Hydrogen Fluoride - 363 kg (800 lb) HE	2000	3-hour	4.90E+00	1.40E-01	2.05E-01	2.36E-01	1.55E-01	1.11E-01	6.79E-02	5.72E-02	5.86E-02	7.54E-02	6.98E-02	1.08E-02
	1000	3-hour	4.90E+00	1.40E-01	2.05E-01	2.36E-01	1.55E-01	1.11E-01	6.79E-02	5.72E-02	5.86E-02	7.54E-02	6.98E-02	1.08E-02
	500	3-hour	4.90E+00	1.40E-01	2.05E-01	2.36E-01	1.55E-01	1.11E-01	6.79E-02	5.72E-02	5.86E-02	7.54E-02	6.98E-02	1.08E-02
Hydrogen Fluoride - 363 kg (800 lb) HE	2000	12-hour	3.68E+00	3.50E-02	5.14E-02	5.91E-02	3.87E-02	2.78E-02	1.69E-02	1.45E-02	1.89E-02	1.88E-02	1.74E-02	2.71E-02
	1000	12-hour	3.68E+00	3.50E-02	5.14E-02	5.91E-02	3.87E-02	2.78E-02	1.69E-02	1.45E-02	1.89E-02	1.88E-02	1.74E-02	2.71E-02
	500	12-hour	3.68E+00	3.50E-02	5.14E-02	5.91E-02	3.87E-02	2.78E-02	1.69E-02	1.45E-02	1.89E-02	1.88E-02	1.74E-02	2.71E-02

TABLE B.4.2–3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
Hydrogen Fluoride - 363 kg (800 lb) HE	2000	24-hour	2.86E+00	1.75E-02	4.40E-02	3.32E-02	2.58E-02	1.45E-02	1.05E-02	8.55E-03	1.27E-02	9.42E-03	8.87E-03	1.53E-02
	1000	24-hour	2.86E+00	1.75E-02	4.40E-02	3.32E-02	2.58E-02	1.45E-02	1.05E-02	8.55E-03	1.27E-02	9.42E-03	8.87E-03	1.53E-02
	500	24-hour	2.86E+00	1.75E-02	4.40E-02	3.32E-02	2.58E-02	1.45E-02	1.05E-02	8.55E-03	1.27E-02	9.42E-03	8.87E-03	1.53E-02
Hydrogen Fluoride - BGU	2000	3-hour	4.90E+00	2.00E-01	6.23E-01	1.26E+00	5.95E-01	1.84E-01	7.79E-02	8.21E-02	7.20E-02	1.64E-01	1.56E-01	2.67E-01
	1000	3-hour	4.90E+00	2.00E-01	6.23E-01	1.26E+00	5.95E-01	1.84E-01	7.79E-02	8.21E-02	7.20E-02	1.64E-01	1.56E-01	2.67E-01
	500	3-hour	4.90E+00	2.00E-01	6.23E-01	1.26E+00	5.95E-01	1.84E-01	7.79E-02	8.21E-02	7.20E-02	1.64E-01	1.56E-01	2.67E-01
Hydrogen Fluoride - BGU	2000	12-hour	3.68E+00	5.00E-02	1.56E-01	3.79E-01	1.49E-01	4.59E-02	1.95E-02	2.46E-02	1.80E-02	4.10E-02	5.19E-02	6.68E-02
	1000	12-hour	3.68E+00	5.00E-02	1.56E-01	3.79E-01	1.49E-01	4.59E-02	1.95E-02	2.46E-02	1.80E-02	4.10E-02	5.19E-02	6.68E-02
	500	12-hour	3.68E+00	5.00E-02	1.56E-01	3.79E-01	1.49E-01	4.59E-02	1.95E-02	2.46E-02	1.80E-02	4.10E-02	5.19E-02	6.68E-02
Hydrogen Fluoride - BGU	2000	24-hour	2.86E+00	2.50E-02	7.79E-02	2.27E-01	7.44E-02	2.29E-02	9.73E-03	1.33E-02	9.00E-03	2.05E-02	2.46E-02	3.40E-02
	1000	24-hour	2.86E+00	2.50E-02	7.79E-02	2.27E-01	7.44E-02	2.29E-02	9.73E-03	1.33E-02	9.00E-03	2.05E-02	2.46E-02	3.40E-02
	500	24-hour	2.86E+00	2.50E-02	7.79E-02	2.27E-01	7.44E-02	2.29E-02	9.73E-03	1.33E-02	9.00E-03	2.05E-02	2.46E-02	3.40E-02
Lead - BGU	2000	1st Qtr	1.50E+00 ^b	4.32E-03	1.36E-02	2.70E-02	3.47E-03	2.56E-03	1.28E-03	1.09E-03	1.94E-03	1.74E-03	2.40E-03	2.98E-03
	1000	1st Qtr	1.50E+00 ^b	1.63E-03	7.29E-03	1.34E-02	1.99E-03	8.20E-04	6.40E-04	6.30E-04	8.80E-04	8.60E-04	1.77E-03	1.07E-03
	500	1st Qtr	1.50E+00 ^b	1.50E-03	7.13E-03	1.33E-02	1.92E-03	7.70E-04	5.90E-04	5.90E-04	8.30E-04	7.70E-04	1.02E-03	9.40E-04
Lead - BGU	2000	2nd Qtr	1.50E+00 ^b	2.75E-03	8.40E-03	2.61E-02	7.18E-03	2.35E-03	8.90E-04	9.00E-04	1.04E-03	9.20E-04	1.08E-03	2.04E-03
	1000	2nd Qtr	1.50E+00 ^b	1.43E-03	4.79E-03	1.32E-02	2.64E-03	1.14E-03	3.00E-04	3.70E-04	4.70E-04	3.70E-04	4.80E-04	1.01E-03
	500	2nd Qtr	1.50E+00 ^b	1.35E-03	4.63E-03	1.31E-02	2.48E-03	1.05E-03	2.70E-04	3.30E-04	4.40E-04	3.30E-04	4.20E-04	9.30E-04
Lead - BGU	2000	3rd Qtr	1.50E+00 ^b	3.08E-03	1.26E-02	5.62E-02	3.84E-03	1.62E-03	9.60E-04	1.13E-03	8.20E-04	5.60E-04	7.70E-04	1.74E-03
	1000	3rd Qtr	1.50E+00 ^b	1.39E-03	7.59E-03	3.06E-02	1.89E-03	5.00E-04	5.20E-04	5.00E-04	2.50E-04	2.40E-04	3.80E-04	9.70E-04
	500	3rd Qtr	1.50E+00 ^b	1.13E-03	7.25E-03	3.03E-02	1.69E-03	4.20E-04	4.90E-04	4.70E-04	2.20E-04	2.10E-04	3.20E-04	8.20E-04
Lead - BGU	2000	4th Qtr	1.50E+00 ^b	6.45E-03	1.80E-02	2.78E-02	3.27E-03	1.60E-03	1.50E-03	1.02E-03	1.37E-03	1.22E-03	2.04E-03	4.71E-03
	1000	4th Qtr	1.50E+00 ^b	2.36E-03	8.79E-03	1.26E-02	1.28E-03	5.70E-04	5.50E-04	4.80E-04	7.10E-04	4.60E-04	8.20E-04	1.56E-03
	500	4th Qtr	1.50E+00 ^b	2.36E-02	8.79E-03	1.26E-02	1.28E-03	5.70E-04	5.50E-04	4.80E-04	7.10E-04	4.60E-04	8.20E-04	1.56E-03
Methanol	2000	Annual	2.62E+02	3.64E-01	4.42E-01	2.84E-01	1.50E-01	1.00E-01	5.04E-02	6.52E-02	1.47E-01	1.58E-01	2.44E-01	3.12E-01
	1000	Annual	2.62E+02	3.32E-01	4.13E-01	2.71E-01	1.47E-01	9.89E-02	4.89E-02	6.37E-02	1.44E-01	1.55E-01	2.39E-01	2.91E-01
	500	Annual	2.62E+02	3.16E-01	3.98E-01	2.65E-01	1.45E-01	9.81E-02	4.81E-02	6.36E-02	1.43E-01	1.54E-01	2.36E-01	2.80E-01

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
Methanol	2000	30-min	2.62E+03	6.17E+01	7.29E+01	7.45E+01	2.73E+01	5.16E+01	5.86E+01	5.4E+01	5.40E+01	6.19E+01	1.23E+02	6.25E+01
	1000	30-min	2.62E+03	6.07E+01	7.28E+01	7.45E+01	2.73E+01	5.16E+01	5.86E+01	5.4E+01	5.35E+01	6.19E+01	1.23E+02	6.25E+01
	500	30-min	2.62E+03	6.01E+01	7.27E+01	7.45E+01	2.73E+01	5.16E+01	5.86E+01	5.4E+01	5.35E+01	6.19E+01	1.23E+02	6.25E+01
Mercury	2000	Annual	5.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	2000	24-hour	2.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	2000	30-min	5.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Methyl Cyanide - 45.kg (100 lb) HE	2000	Annual	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	Annual	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	Annual	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Methyl Cyanide - 45.kg (100 lb) HE	2000	30-min	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	30-min	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	30-min	NA	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Methyl Ethyl Ketone	2000	Annual	5.90E+02	1.25E+00	8.27E-01	5.78E-01	2.60E-01	1.70E-01	1.17E-01	1.39E-01	2.64E-01	6.37E-01	1.80E+00	1.11E+00
	1000	Annual	5.90E+02	1.25E+00	8.27E-01	5.78E-01	2.60E-01	1.70E-01	1.17E-01	1.39E-01	2.64E-01	6.37E-01	1.80E+00	1.11E+00
	500	Annual	5.90E+02	1.19E+00	7.78E-01	5.48E-01	2.48E-01	1.63E-01	1.12E-01	1.34E-01	2.55E-01	6.18E-01	1.77E+00	1.06E+00
Methyl Ethyl Ketone	2000	30-min	3.90E+03	1.80E+02	1.95E+02	2.01E+02	1.08E+02	1.04E+02	9.76E+01	1.86E+02	1.12E+02	2.75E+02	8.95E+02	2.68E+02
	1000	30-min	3.90E+03	1.80E+02	1.95E+02	2.01E+02	1.08E+02	1.04E+02	9.76E+01	1.86E+02	1.12E+02	2.75E+02	8.95E+02	2.68E+02
	500	30-min	3.90E+03	1.77E+02	1.94E+02	1.99E+02	1.08E+02	1.03E+02	9.71E+01	1.85E+02	1.11E+02	2.74E+02	8.93E+02	2.64E+02
Methyl Isobutyl Ketone	2000	Annual	2.05E+02	1.53E-02	1.43E-02	6.22E-03	1.51E-03	7.30E-04	7.20E-04	6.80E-04	1.28E-03	1.32E-03	2.46E-03	1.10E-02
	1000	Annual	2.05E+02	7.86E-03	7.33E-03	3.20E-03	7.80E-04	3.80E-04	3.70E-04	3.50E-04	6.60E-04	6.80E-04	1.26E-03	5.25E-03
	500	Annual	2.05E+02	3.72E-03	3.47E-03	1.51E-03	3.70E-03	1.80E-04	1.70E-04	1.70E-04	3.10E-04	3.20E-04	6.00E-04	2.49E-03
Methyl Isobutyl Ketone	2000	30-min	2.05E+03	1.88E+00	1.76E+00	6.22E-01	3.80E-01	2.69E-01	3.34E-01	1.97E-01	1.49E+00	3.21E-01	6.12E-01	2.42E+00
	1000	30-min	2.05E+03	9.69E-01	9.05E-01	3.19E-01	1.93E-01	1.38E-01	1.72E-01	1.01E-01	7.64E-01	1.65E-01	3.14E-01	1.24E+00
	500	30-min	2.05E+03	4.57E-01	4.29E-01	1.51E-01	9.20E-02	6.56E-02	8.13E-02	4.79E-02	3.62E-01	7.80E-02	1.49E-02	5.90E-01
Methylene Chloride	2000	Annual	2.60E+01	4.67E-01	3.92E-01	1.97E-01	6.21E-02	3.56E-02	2.87E-02	3.08E-02	5.84E-02	1.05E-01	2.75E-01	3.45E-01
	1000	Annual	2.60E+01	3.06E-01	2.93E-01	1.32E-01	4.63E-02	2.79E-02	2.12E-02	2.37E-02	4.50E-02	9.08E-02	2.49E-01	2.38E-01
	500	Annual	2.60E+01	3.06E-01	2.93E-01	1.32E-01	4.63E-02	2.79E-02	2.12E-02	2.37E-02	4.50E-02	9.08E-02	2.49E-01	2.38E-01
Methylene Chloride	2000	30-min	2.60E+02	3.93E+01	3.69E+01	2.90E+01	1.39E+01	1.32E+01	1.24E+01	2.36E+01	3.11E+01	3.77E+01	1.15E+02	5.07E+01
	1000	30-min	2.60E+02	2.25E+01	3.00E+01	2.75E+01	1.39E+01	1.32E+01	1.24E+01	2.36E+01	1.56E+01	3.64E+01	1.15E+02	3.33E+01
	500	30-min	2.60E+02	2.25E+01	3.00E+01	2.72E+01	1.39E+01	1.32E+01	1.24E+01	2.36E+01	1.56E+01	3.64E+01	1.15E+02	3.33E+01

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
Naphthalene - 45.4 kg (100 lb) HE	2000	Annual	5.00E+01	1.00E-05	2.00E-05	7.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	Annual	5.00E+01	1.00E-05	2.00E-05	7.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	Annual	5.00E+01	1.00E-05	2.00E-05	7.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Naphthalene - 45.4 kg (100 lb) HE	2000	30-min	4.40E+02	1.73E-03	2.28E-03	4.16E-03	1.70E-03	1.20E-03	6.30E-04	6.60E-04	5.20E-04	7.30E-04	9.00E-04	1.16E-03
	1000	30-min	4.40E+02	1.73E-03	2.28E-03	4.16E-03	1.70E-03	1.20E-03	6.30E-04	6.60E-04	5.20E-04	7.30E-04	9.00E-04	1.16E-03
	500	30-min	4.40E+02	1.73E-03	2.28E-03	4.16E-03	1.70E-03	1.20E-03	6.30E-04	6.60E-04	5.20E-04	7.30E-04	9.00E-04	1.16E-03
Naphthalene - 363 kg (800 lb) HE	2000	Annual	5.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	Annual	5.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	Annual	5.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Naphthalene - 363 kg (800 lb) HE	2000	30-min	4.40E+02	2.50E-04	2.90E-04	3.40E-04	2.00E-04	1.30E-04	1.10E-04	1.60E-04	2.20E-04	2.30E-04	2.40E-04	2.60E-04
	1000	30-min	4.40E+02	2.50E-04	2.90E-04	3.40E-04	2.00E-04	1.50E-04	1.10E-04	1.60E-04	2.20E-04	2.30E-04	2.40E-04	2.60E-04
	500	30-min	4.40E+02	2.50E-04	2.90E-04	3.40E-04	2.00E-04	1.50E-04	1.10E-04	1.60E-04	2.20E-04	2.30E-04	2.40E-04	2.60E-04
Nickel - BGU	2000	Annual	1.50E-02	1.00E-05	6.00E-05	1.60E-04	2.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	1.00E-05
	1000	Annual	1.50E-02	1.00E-05	6.00E-05	1.60E-04	2.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	1.00E-05
	500	Annual	1.50E-02	1.00E-05	6.00E-05	1.60E-04	2.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	1.00E-05
Nickel - BGU	2000	30-min	1.50E-01	4.09E-03	6.16E-03	1.25E-02	5.89E-03	3.51E-03	1.85E-03	1.68E-03	1.22E-03	1.62E-03	1.54E-03	2.64E-03
	1000	30-min	1.50E-01	4.09E-03	6.16E-03	1.25E-02	5.89E-03	3.51E-03	1.85E-03	1.68E-03	1.22E-03	1.62E-03	1.54E-03	2.64E-03
	500	30-min	1.50E-01	4.09E-03	6.16E-03	1.25E-02	5.89E-03	3.51E-03	1.85E-03	1.68E-03	1.22E-03	1.62E-03	1.54E-03	2.64E-03
Nitrobenzene	2000	Annual	5.00E+00	1.54E-03	1.44E-03	6.30E-04	1.50E-04	7.00E-05	7.00E-05	7.00E-05	1.30E-04	1.30E-04	2.50E-04	1.03E-03
	1000	Annual	5.00E+00	7.70E-04	7.20E-04	3.10E-04	8.00E-05	4.00E-05	4.00E-05	4.00E-05	6.00E-05	6.50E-05	1.25E-04	5.15E-04
	500	Annual	5.00E+00	3.85E-04	3.60E-04	1.55E-04	4.00E-05	2.00E-05	2.00E-05	2.00E-05	3.00E-05	3.25E-05	6.25E-05	2.57E-04
Nitrobenzene	2000	30-min	2.40E+01	1.89E-01	1.78E-01	6.28E-02	3.83E-02	2.72E-02	3.37E-02	1.99E-02	1.50E-01	3.23E-02	6.17E-02	2.45E-01
	1000	30-min	2.40E+01	9.45E-02	8.86E-02	3.13E-02	1.91E-02	1.36E-02	1.68E-02	9.91E-03	7.48E-02	1.61E-02	3.08E-02	1.22E-01
	500	30-min	2.40E+01	4.72E-02	4.43E-02	1.57E-02	9.56E-03	6.78E-03	8.41E-03	4.96E-03	3.74E-02	8.06E-03	1.54E-02	6.10E-02
NO ₂ - 45.4 kg (100 lb) HE	2000	Annual	1.00E+02 ^b	3.69E-01	4.78E-01	4.39E-01	1.29E-01	1.08E-01	9.18E-02	9.39E-02	1.69E-01	1.43E-01	2.13E-01	2.99E-01
	1000	Annual	1.00E+02 ^b	3.65E-01	4.76E-01	4.38E-01	1.28E-01	1.07E-01	9.16E-02	9.36E-02	1.68E-01	1.42E-01	2.10E-01	2.97E-01
	500	Annual	1.00E+02 ^b	3.63E-01	4.75E-01	4.37E-01	1.28E-01	1.07E-01	9.14E-02	9.34E-02	1.68E-01	1.41E-01	2.08E-01	2.96E-01

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
NO ₂ - 363 kg (800 lb) HE	2000	Annual	1.00E+02 ^b	2.83E-01	4.72E-01	9.52E-02	1.14E-01	7.92E-02	4.12E-02	4.13E-02	7.45E-02	9.31E-02	1.56E-01	2.15E-01
	1000	Annual	1.00E+02 ^b	2.80E-01	4.70E-01	9.51E-02	1.14E-01	7.90E-02	4.09E-02	4.11E-02	7.40E-02	9.17E-02	1.52E-01	2.12E-01
	500	Annual	1.00E+02 ^b	2.78E-01	4.69E-01	9.51E-01	1.13E-01	7.86E-02	4.08E-02	4.09E-02	7.36E-02	9.09E-02	1.51E-01	2.11E-01
NO ₂ - BGU	2000	Annual	1.00E+02 ^b	1.75E-01	2.11E-01	1.42E-01	5.13E-02	3.02E-02	2.01E-02	2.25E-02	4.05E-02	7.14E-02	1.24E-01	1.43E-01
	1000	Annual	1.00E+02 ^b	1.71E-01	2.08E-01	1.41E-01	5.07E-02	2.98E-02	1.99E-02	2.25E-02	3.99E-02	7.00E-02	1.21E-01	1.40E-01
	500	Annual	1.00E+02 ^b	1.69E-01	2.07E-01	1.40E-01	5.03E-02	2.96E-02	1.98E-02	2.21E-02	3.97E-02	6.93E-02	1.19E-01	1.39E-01
Phenol - 45.4 kg (100 lb) HE	2000	Annual	1.90E+01	3.00E-05	1.30E-04	3.70E-04	3.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05
	1000	Annual	1.90E+01	3.00E-05	1.30E-04	3.70E-04	3.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05
	500	Annual	1.90E+01	3.00E-05	1.30E-04	3.70E-04	3.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05
Phenol - 45.4 kg (100 lb) HE	2000	30-min	1.54E+02	9.25E-03	1.22E-02	2.22E-02	9.05E-03	6.53E-03	3.37E-03	3.51E-03	2.75E-03	3.89E-03	4.82E-03	6.17E-03
	1000	30-min	1.54E+02	9.25E-03	1.22E-02	2.22E-02	9.05E-03	6.53E-03	3.37E-03	3.51E-03	2.75E-03	3.89E-03	4.82E-03	6.17E-03
	500	30-min	1.54E+02	9.25E-03	1.22E-02	2.22E-02	9.05E-03	6.53E-03	3.37E-03	3.51E-03	2.75E-03	3.89E-03	4.82E-03	6.17E-03
Phenol - 363 kg (800 lb) HE	2000	Annual	1.90E+01	1.00E-05	2.00E-05	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	1.00E-05
	1000	Annual	1.90E+01	1.00E-05	2.00E-05	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	1.00E-05
	500	Annual	1.90E+01	1.00E-05	2.00E-05	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	1.00E-05
Phenol - 363 kg (800 lb) HE	2000	30-min	1.54E+02	1.32E-03	1.57E-03	1.79E-03	1.08E-03	8.20E-04	5.80E-04	8.50E-04	1.17E-03	1.25E-03	1.30E-03	1.41E-03
	1000	30-min	1.54E+02	1.32E-03	1.57E-03	1.79E-03	1.08E-03	8.20E-04	5.80E-04	8.50E-04	1.17E-03	1.25E-03	1.30E-03	1.41E-03
	500	30-min	1.54E+02	1.32E-03	1.57E-03	1.79E-03	1.08E-03	8.20E-04	5.80E-04	8.50E-04	1.17E-03	1.25E-03	1.30E-03	1.41E-03
PM10 - 45.4 kg (100 lb) HE	2000	Annual	5.00E+01 ^b	6.87E-01	2.13E+00	5.64E+00	5.19E-01	2.13E-01	1.51E-01	1.52E-01	2.11E-01	2.38E-01	4.39E-01	5.22E-01
	1000	Annual	5.00E+01 ^b	5.65E-01	2.05E+00	5.59E+00	4.94E-01	1.99E-01	1.41E-01	1.40E-01	1.90E-01	1.86E-01	3.19E-01	4.01E-01
	500	Annual	5.00E+01 ^b	5.28E-01	2.03E+00	5.57E+00	4.86E-01	1.95E-01	1.39E-01	1.37E-01	1.83E-01	1.71E-01	2.83E-01	3.66E-01
PM10 - 45.4 kg (100 lb) HE	2000	24-hour	1.50E+02 ^b	8.85E+00	2.17E+01	5.36E+01	1.26E+01	1.03E+01	3.14E+00	3.32E+00	2.41E+00	3.16E+00	6.07E+00	5.00E+00
	1000	24-hour	1.50E+02 ^b	8.85E+00	2.17E+01	5.36E+01	1.26E+01	1.01E+01	3.12E+00	3.32E+00	2.32E+00	2.84E+00	5.52E+00	5.00E+00
	500	24-hour	1.50E+02 ^b	8.85E+00	2.17E+01	5.36E+01	1.26E+01	1.01E+01	3.12E+00	3.32E+00	2.29E+00	2.74E+00	5.35E+00	5.00E+00
PM10 - 363 kg (800 lb) HE	2000	Annual	5.00E+01 ^b	4.05E-01	5.08E-01	4.70E-01	1.27E-01	7.98E-02	9.08E-02	9.28E-02	1.55E-01	1.78E-01	3.43E-01	3.62E-01
	1000	Annual	5.00E+01 ^b	2.83E-01	4.33E-01	4.18E-01	1.02E-01	6.61E-02	8.17E-02	8.12E-02	1.33E-01	1.26E-01	2.23E-01	2.41E-01
	500	Annual	5.00E+01 ^b	2.46E-01	4.09E-01	4.02E-01	9.04E-02	6.19E-02	7.90E-02	7.78E-02	1.27E-01	1.11E-01	1.87E-01	2.05E-01

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
PM10 - 363 kg (800 lb) HE	2000	24-hour	1.50E+02 ^b	1.89E+00	3.92E+00	4.68E+00	2.19E+00	1.49E+00	1.48E+00	1.82E+00	1.45E+00	2.47E+00	4.70E+00	3.26E+00
	1000	24-hour	1.50E+02 ^b	1.89E+00	3.92E+00	4.68E+00	2.16E+00	1.34E+00	1.48E+00	1.92E+00	1.26E+00	2.20E+00	3.17E+00	1.85E+00
	500	24-hour	1.50E+02 ^b	1.89E+00	3.92E+00	4.68E+00	2.16E+00	1.29E+00	1.48E+00	1.92E+00	1.25E+00	2.12E+00	2.80E+00	1.85E+00
Tetrachloroethylene	2000	Annual	3.40E+01	5.29E-02	4.94E-02	2.15E-02	5.23E-03	2.54E-03	2.48E-03	2.35E-03	4.44E-03	4.57E-03	8.51E-03	3.54E-03
	1000	Annual	3.40E+01	2.65E-02	2.47E-02	1.08E-02	2.62E-03	1.27E-03	1.24E-03	1.18E-03	2.22E-03	2.28E-03	4.25E-03	1.77E-03
	500	Annual	3.40E+01	1.32E-02	1.23E-02	5.40E-03	1.31E-03	6.35E-04	6.2E-04	5.90E-04	1.11E-03	1.14E-03	2.12E-03	8.85E-04
Tetrachloroethylene	2000	30-min	3.40E+02	6.50E+00	6.10E+00	2.15E+00	1.31E+00	9.32E-01	1.16E+00	6.80E-01	5.14E+00	1.10E+00	2.11E+00	8.39E-01
	1000	30-min	3.40E+02	3.25E+00	3.05E+00	1.08E+00	6.57E-01	4.67E-01	5.78E-01	3.41E-01	2.57E+00	5.54E-01	1.06E+00	4.19E-01
	500	30-min	3.40E+02	1.62E+00	1.52E+00	5.40E-01	3.28E-01	2.33E-01	2.89E-01	1.70E-01	1.28E+00	2.77E-01	5.30E-01	2.09E-01
Titanium - BGU	2000	Annual	NA	4.00E-05	1.70E-04	4.30E-04	4.00E-05	2.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05
	1000	Annual	NA	4.00E-05	1.70E-04	4.30E-04	4.00E-05	2.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05
	500	Annual	NA	4.00E-05	1.70E-04	4.30E-04	4.00E-05	2.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	2.00E-05
Titanium - BGU	2000	30-min	5.00E+02	1.10E-03	1.66E-02	3.36E-02	1.58E-02	9.44E-03	4.97E-03	4.53E-03	3.30E-03	4.37E-03	4.14E-03	7.12E-03
	1000	30-min	5.00E+02	1.10E-03	1.66E-02	3.36E-02	1.58E-02	9.44E-03	4.97E-03	4.53E-03	3.30E-03	4.37E-03	4.14E-03	7.12E-03
	500	30-min	5.00E+02	1.10E-03	1.66E-02	3.36E-02	1.58E-02	9.44E-03	4.97E-03	4.53E-03	3.30E-03	4.37E-03	4.14E-03	7.12E-03
Toluene	2000	Annual	1.88E+02	1.15E+00	1.18E+00	7.49E-01	3.79E-01	2.50E-01	1.33E-01	1.66E-01	3.61E-01	4.34E-01	6.78E-01	9.50E-01
	1000	Annual	1.88E+02	9.09E-01	5.47E-01	6.60E-01	3.45E-01	2.30E-01	1.18E-01	1.50E-01	3.33E-01	3.83E-01	5.96E-01	7.70E-01
	500	Annual	1.88E+02	4.65E-01	2.98E-01	3.43E-01	1.75E-01	1.16E-01	5.95E-02	7.56E-02	1.67E-01	1.88E-01	2.93E-01	3.87E-01
Toluene	2000	30-min	1.88E+03	1.39E+02	1.62E+02	1.63E+02	7.34E+01	1.16E+02	1.25E+02	1.20E+02	1.17E+02	1.35E+02	1.34E+01	1.45E+02
	1000	30-min	1.88E+03	1.34E+02	1.61E+02	1.61E+02	6.65E+01	1.13E+02	1.24E+02	1.19E+02	1.15E+02	1.33E+02	2.68E+02	1.39E+02
	500	30-min	1.88E+03	6.69E+01	8.22E+01	8.06E+01	3.46E+01	5.60E+01	6.19E+01	5.94E+01	5.77E+01	6.65E+01	1.34E+01	6.96E+01
Trichloroethylene	2000	Annual	1.35E+02	1.53E-01	1.43E-01	6.24E-02	1.52E-02	7.36E-03	7.18E-03	6.82E-03	1.29E-03	1.32E-03	2.47E-03	1.03E-02
	1000	Annual	1.35E+02	7.65E-02	7.14E-02	3.11E-02	7.56E-02	3.67E-03	3.58E-03	3.40E-03	6.40E-04	6.60E-04	1.23E-03	5.12E-03
	500	Annual	1.35E+02	3.81E-02	3.55E-02	1.55E-02	3.26E-03	1.83E-03	1.78E-03	1.69E-03	3.19E-04	3.28E-04	6.12E-04	2.54E-03
Trichloroethylene	2000	30-min	1.35E+03	1.88E+01	1.77E+01	6.24E+00	3.81E+00	2.70E+00	3.35E+00	1.98E+00	1.49E+00	3.21E+00	6.14E+00	2.43E+00
	1000	30-min	1.35E+03	9.39E+02	8.81E+00	3.11E+00	1.90E+00	1.35E+00	1.67E+00	9.85E-01	7.45E-01	1.60E+00	3.06E+00	1.21E+00
	500	30-min	1.35E+03	4.67E+00	4.38E+00	1.55E+00	9.45E-01	6.70E-01	8.31E-01	4.90E-01	3.70E-01	8.02E-01	1.52E+00	6.03E-01

TABLE B.4.2-3.—Estimated Maximum Concentrations of Hazardous Air¹ and Criteria Pollutants for 2,000, 1,000, and 500 Weapons at Local Residences Surrounding Pantex Plant ($\mu\text{g}/\text{m}^3$)-Continued

POLLUTANT	OPS	AVG. TIME	NAAQS OR ESL $\mu\text{g}/\text{m}^3$	RESIDENCE										
				1	2	3	4	5	6	7	8	9	10	11
SO ₂ - BGU	2000	Annual	8.0E+01 ^b	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	Annual	8.0E+01 ^b	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	Annual	8.0E+01 ^b	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SO ₂ - BGU	2000	24-hour	3.65E+02 ^b	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	24-hour	3.65E+02 ^b	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	24-hour	3.65E+02 ^b	0.00E+00	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SO ₂ - BGU	2000	3-hour	1.30E+03 ^b	1.00E-05	2.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	3-hour	1.30E+03 ^b	1.00E-05	2.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	3-hour	1.30E+03 ^b	1.00E-05	2.00E-05	1.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SO ₂ - BGU	2000	30-min	1.121E-03 ^b	3.00E-05	4.00E-05	9.00E-05	3.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05
	1000	30-min	1.121E-03 ^b	3.00E-05	4.00E-05	9.00E-05	3.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05
	500	30-min	1.121E-03 ^b	3.00E-05	4.00E-05	9.00E-05	3.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05
Triethylamine	2000	Annual	4.00E+00	1.32E-03	1.68E-03	1.14E-03	6.30E-04	4.30E-04	2.10E-04	6.20E-04	1.03E-03	1.19E-02	1.00E-05	2.00E-05
	1000	Annual	4.00E+00	1.32E-03	1.68E-03	1.14E-03	6.30E-04	4.30E-04	2.10E-04	6.20E-04	1.03E-03	1.19E-02	1.00E-05	2.00E-05
	500	Annual	4.00E+00	1.32E-03	1.68E-03	1.14E-03	6.30E-04	4.30E-04	2.10E-04	6.20E-04	1.03E-03	1.19E-02	1.00E-05	2.00E-05
Triethylamine	2000	30-min	4.00E+01	2.61E-01	3.19E-01	3.27E-01	1.20E-01	2.26E-01	2.57E-01	2.39E-01	2.32E-01	2.72E-01	5.40E-01	2.74E-01
	1000	30-min	4.00E+01	2.61E-01	3.19E-01	3.27E-01	1.20E-01	2.26E-01	2.57E-01	2.39E-01	2.32E-01	2.72E-01	5.40E-01	2.74E-01
	500	30-min	4.00E+01	2.61E-01	3.19E-01	3.27E-01	1.20E-01	2.26E-01	2.57E-01	2.39E-01	2.32E-01	2.72E-01	5.40E-01	2.74E-01
Xylene	2000	Annual	4.34E+02	2.24E-01	2.04E-01	1.49E-01	6.12E-02	3.44E-02	2.66E-02	2.39E-02	4.69E-02	9.86E-02	1.53E-01	1.84E-01
	1000	Annual	4.34E+02	1.05E-01	9.58E-02	7.17E-02	2.99E-02	1.69E-02	1.30E-02	1.17E-02	2.29E-02	4.87E-02	7.51E-02	8.74E-02
	500	Annual	4.34E+02	5.24E-02	4.77E-02	3.57E-02	1.49E-02	8.41E-03	6.48E-03	5.81E-03	1.14E-02	2.43E-02	3.75E-02	4.35E-02
Xylene	2000	30-min	3.70E+03	1.57E+01	4.62E+01	1.85E+01	1.73E+01	7.96E+00	1.22E+01	1.12E+01	1.11E+01	2.85E+01	5.51E+01	2.33E+01
	1000	30-min	3.70E+03	7.84E+00	2.23E+01	9.27E+00	8.63E+00	3.98E+00	6.00E+00	5.61E+00	5.53E+00	1.42E+01	2.75E+01	1.16E+01
	500	30-min	3.70E+03	3.91E+00	1.11E+01	4.64E+00	4.31E+00	1.99E+00	3.00E+00	2.79E+00	2.76E+00	7.70E+00	1.37E+01	5.80E+00

^aAlcohols is the only pollutant which exceeded the ESL at the fence line. Therefore modeling results were also reported for all the residents.

^bIndicates a NAAQS. Other values are ESLs.

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

NA - An ESL has not been established by TNRCC.

Note: Table shows the results (maximum concentrations at residences for all three operations levels) obtained from models ISCST2 and ISCL2.

Sources: TNRCC 1993a; TNRCC 1996a