

TABLE 4.7.2.1-4.—Estimated Criteria and VOC Pollutant Emissions Inventory for Stationary and Mobile Sources at Pantex Plant for 1,000 Weapons Level

SOURCE	POLLUTANT					
	CO	NO ₂	PM ₁₀	SO ₂	Pb	VOC ¹
STATIONARY SOURCES						
Building 10-2 kg/yr (lb/yr)	3.2 (7.0)	0.01 (0.02)	—	—	0.04 (0.08)	—
Zone 11 (8 Buildings) kg/yr (lb/yr)	101.2 (223.2)	503.9 (1,111.0)	11.6 (25.6)	—	—	—
Zone 12 (17 Buildings) kg/yr (lb/yr)	2,927.2 (6,453.4)	3,586.2 (7,906.2)	157.6 (347.4)	—	—	—
Firing Sites kg/yr (lb/yr)	45.3 (99.8)	2.0 (4.3)	0.5 (1.2)	—	—	—
Burning Trays kg/yr (lb/yr)	867.2 (1,911.2)	31,851.4 (70,219)	3,243.2 (7,150.0)	—	—	—
Burning Ground Upgrade kg/yr (lb/yr)	5,005.8 (11,036.0)	1,081.2 (2,383.6)	—	0.1 (0.2)	177.5 (391.4)	—
Buildings 16-7,16-8,16-10, 16-12,16-13,16-15 kg/yr (lb/yr)	7,574.5 (16,699.0)	28,916.8 (63,750.6)	1,028.5 (2,267.4)	—	3.8 (8.4)	—
Buildings 9-4, 9-5, 9-6 kg/yr (lb/yr)	7.9 (17.4)	39.5 (87.0)	1.0 (2.2)	—	—	—
Natural Gas Engines kg/yr (lb/yr)	570.6 (1,258.0)	4,421.6 (9,748.0)	—	—	—	—
Gasoline and Diesel Engines kg/yr (lb/yr)	2,671.3 (5,889.3)	8,485.4 (18,707.1)	605.8 (1,335.5)	—	—	—
Welding, Cutting, and Grinding kg/yr (lb/yr)	—	—	86.6 (191.0)	—	—	—
Subtotal kg/yr (lb/yr)	19,774.2 (43,594.3)	78,888.0 (173,916.8)	5,134.8 (11,320.3)	0.1 (0.2)	181.3 (399.9)	2,267.02 (4,997.83)
Subtotal metric tons/yr (tons/yr)	19.77 (21.80)	78.89 (86.96)	5.13 (5.66)	0.00 (0.00)	0.18 (0.20)	2.27 (2.50)
MOBILE SOURCES						
Mobile Sources metric tons/yr (tons/yr)	414.06 (456.42)	88.86 (97.95)	—	—	—	46.93 (51.73)
TOTALS						
Total metric tons/yr (tons/yr)	433.83 (478.22)	167.75 (184.91)	5.13 (5.66)	0.00 (0.00)	0.18 (0.20)	49.2 (54.23)

¹Based on VOCs in Table 4.7.1.3-3

Note: SO₂ is emitted only from BGU operation; therefore, this pollutant is considered only for 2,000, 1,000 and 500 weapons scenarios.

Source: Pantex 1996; PC 1994