

**TABLE 4.7.2.1-5.—Estimated Criteria and VOC Pollutant Emissions Inventory for Stationary and Mobile Sources at Pantex Plant for 500 Weapons Level**

SOURCE	POLLUTANT					
	CO	NO <sub>2</sub>	PM <sub>10</sub>	SO <sub>2</sub>	Pb	VOC <sup>1</sup>
<b>STATIONARY SOURCES</b>						
Building 10-2 kg/yr (lb/yr)	1.6 (3.5)	0.01 (0.01)	—	—	0.02 (0.04)	—
Zone 11 (8 Buildings) kg/yr (lb/yr)	101.0 (222.7)	503.9 (1,111.0)	10.7 (23.6)	—	—	—
Zone 12 (17 Buildings) kg/yr (lb/yr)	2,881.7 (6,353.0)	3,558.5 (7,845.1)	127.4 (280.9)	—	—	—
Firing Sites kg/yr (lb/yr)	22.6 (49.9)	1.0 (2.1)	0.3 (0.6)	—	—	—
Burning Trays kg/yr (lb/yr)	867.2 (1,911.9)	31,851.4 (70,219)	1,621.6 (3,575.0)	—	—	—
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 16-7,16-6,16-10,16-12,16-13,16-15 kg/yr (lb/yr)	7,384.0 (16,279.0)	28,916.2 (63,744.3)	1,028.4 (2,267.2)	—	1.9 (4.2)	—
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)	19,013.2 (43,020.7)	78,858.7 (173,847.2)	3,481.8 (7,676.0)	0.1 (0.2)	179.4 (395.6)	1,997.43 (4,403.52)
Subtotal metric tons/yr (tons/yr)	19.01 (21.51)	78.86 (86.92)	3.48 (3.84)	0.00 (0.00)	0.18 (0.20)	2.00 (2.20)
<b>MOBILE SOURCES</b>						
Mobile Sources metric tons/yr (tons/yr)	326.77 (360.20)	73.27 (80.77)	—	—	—	38.34 (42.26)
<b>TOTALS</b>						
Total metric tons/yr (tons/yr)	345.78 (381.71)	152.13 (167.69)	3.48 (3.84)	0.00 (0.00)	0.18 (0.20)	40.34 (44.46)

<sup>1</sup>Based on VOCs in Table 4.7.1.3-3

Note: SO<sub>2</sub> 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