

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 9403B and PSD-TX-627

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
INCIN	VOC Incinerator	PM	29.3	
		NO _x	86.3	
		SO ₂	688.7	
		CO	204	
		C ₂ H ₂	0.1	
		H ₂ S	35	
		C ₄	0.87	
		COS	1.36	
		CS ₂	2.19	
		SO ₃	8	
		C ₂ H ₄	0.1	
1A	Waste Heat Boilers B-1 and B-2	PM	29.3	
		NO _x	37.4	
		SO ₂	688.7	
		CO	204	
		C ₂ H ₂	0.1	
		H ₂ S	35	
		C ₄	0.1	
		COS	1.36	
		CS ₂	2.19	
		SO ₃	8	
		C ₂ H ₄	0.1	

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			<u>lb/hr</u>	<u>TPY</u>
INCIN and 1A	VOC Incinerator and Waste Heat Boilers (sum of annual emissions)	PM		123.1
		NO _x		157.1
		SO ₂		2892.5
		CO		857
		C ₂ H ₂		<1
		H ₂ S		147
		C ₄		<1
		COS		5.74
		CS ₂		9.19
		SO ₃		33.6
		C ₂ H ₄		<1
2	Purge Gas Filter No. 3	PM	1	4.2
		NO _x	2.2	9.15
		SO ₂	12.6	52.9
3	Purge Gas Filter No. 4	PM	1	4.2
		NO _x	1.1	4.58
		SO ₂	6.3	26.5
4	Purge Gas Filter No. 6	PM	1	4.2
		NO _x	67.4	22.8
		SO ₂	6.3	26.5
9	Process Steam Boiler Stack	PM	3	12.6
		NO _x	6	25.2
		SO ₂	67.5	283.5
		H ₂ S	2	8.4
20	Carbon Black Dryer No. 1 Stack	PM	3	12.6
		NO _x	6	25.2
		SO ₂	67.5	283.5
		H ₂ S	2	8.4
21	Carbon Black Dryer	PM	3	12.6

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	No. 2 Stack	NO _x	6	25.2
		SO ₂	67.5	283.5
		H ₂ S	2	8.4
22	Carbon Black Dryer	PM	3	12.6
	No. 3 Stack	NO _x	6	25.2
		SO ₂	67.5	283.5
		H ₂ S	2	8.4
23	Carbon Black Dryer	PM	3	12.6
	No. 4 Stack	NO _x	6	25.2
		SO ₂	67.5	283.5
		H ₂ S	2	8.4

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be

assumed that no particulate matter greater than 10 microns in emitted.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

C₂H₂ - acetylene

H₂S - hydrogen sulfide

C₄ - carbon compounds with 4 or more carbon atoms

COS - carbonyl sulfide

CS₂ - carbon disulfide

SO₃ - sulfur trioxide

C₂H₄ - ethylene

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 50
or Hrs/year 8,400

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			<u>lb/hr</u>	<u>TPY</u>