

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9403B and PSD-TX-P627M2

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
WG-CAP	Waste Gas Combustion Annual Emissions Cap	PM		202.9
		NO _x		628.3
		SO ₂		5821.2
		CO		1307.5
		VOC	50.7	
		H ₂ S		52.6
		COS		13.9
		CS ₂		20.7
1 INC	VOC Incinerator	PM	29.3	**
		NO _x	95.2	**
		SO ₂	968.8	**
		CO	204.0	**
		VOC 8.3	**	
		H ₂ S	8.8	**
		COS	2.3	**
		CS ₂	3.5	**
1A	Waste Heat Boiler	PM	29.3	**
		NO _x	95.2	**
		SO ₂	968.8	**
		CO	204.0	**
		VOC 8.3	**	
		H ₂ S	8.8	**
		COS	2.3	**
		CS ₂	3.5	**

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
2	Dryer Filter No. 1	PM	1.0	**
		NO _x	1.2	**
		SO ₂	12.3	**
		VOC 0.1	**	
		CO 2.6	**	
		H ₂ S 0.1	**	
		COS	<0.1	**
		CS ₂	<0.1	**
2a	Dryer Filter No. 2	PM	1.0	**
		NO _x	1.2	**
		SO ₂	12.3	**
		VOC 0.1	**	
		CO 2.6	**	
		H ₂ S 0.1	**	
		COS	<0.1	**
		CS ₂	<0.1	**
3	Dryer Filter No. 3	PM	1	**
		NO _x	1.2	**
		SO ₂	12.3	**
		VOC 0.1	**	
		CO 2.6	**	
		H ₂ S 0.1	**	
		COS	<0.1	**
		CS ₂	<0.1	**
4	Dryer Filter No. 4	PM	1.0	**
		NO _x	67.5	**
		SO ₂	12.3	**
		VOC 0.1	**	
		CO 2.6	**	
		H ₂ S 0.1	**	
		COS	<0.1	**
		CS ₂	<0.1	**
9	Process Steam Boiler Stack	PM	3.0	**

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			lb/hr	TPY
20	Carbon Black Dryer No. 1 Stack	NO _x	12.1	**
		SO ₂	123.3	**
		CO 26.0	**	
		VOC 1.1	**	
		H ₂ S	1.1	**
		COS 0.3	**	
		CS ₂ 0.4	**	
		PM	3.0	**
		NO _x	12.1	**
		SO ₂	111.0	**
		CO 26.0	**	
		VOC 1.0	**	
		H ₂ S	1.0	**
		COS 0.3	**	
		CS ₂ 0.4	**	
21	Carbon Black Dryer No. 2 Stack	PM	3.0	**
		NO _x	12.1	**
		SO ₂	111.0	**
		CO 26.0	**	
		VOC 1.0	**	
		H ₂ S	1.0	**
		COS 0.3	**	
		CS ₂ 0.4	**	
22	Carbon Black Dryer No. 3 Stack	PM	3.0	**
		NO _x	12.1	**
		SO ₂	111.0	**
		CO 26.0	**	
		VOC 1.0	**	
		H ₂ S	1.0	**
		COS 0.3	**	
		CS ₂ 0.4	**	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
23	Carbon Black Dryer No. 4 Stack	PM	3.0	**
		NO _x	12.1	**
		SO ₂	111.0	**
		CO 26.0	**	
		VOC 1.0	**	
		H ₂ S	1.0	**
		COS 0.3	**	
		CS ₂ 0.4	**	
7	Rerun Line 2	PM	0.09	0.36
8	Rerun Line 1	PM	0.04	0.15
19	Packaging and Shipping	PM	0.56	2.34
24	Rerun Line 3	PM	0.04	0.15
25	Rerun Line 3	PM	0.04	0.15
26	Packaging and Shipping	PM	0.04	0.15
27	Rerun West System	PM	0.04	0.15
28	Sealdbin Transloading	PM	0.09	0.40
16	Fugitives	PM	2.13	8.93
11	CBO Tank 1	VOC	1.79	0.20
12	CBO Tank 2	VOC	1.79	0.20
13	CBO Tank 3	VOC	1.29	0.30

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			lb/hr	TPY
WG-FUG	Waste Gas System Fugitive	NO _x	<0.01	0.002
		SO ₂	<0.01	0.03
		CO 0.41	1.72	
		VOC 0.02	0.10	
		H ₂ S	<0.01	0.02
		COS <0.01	0.01	
		CS ₂ <0.01	0.02	

(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 PM greater than 10 microns is emitted.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

H₂S - hydrogen sulfide

COS - carbonyl sulfide

CS₂ - carbon disulfide

* 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

** Annual emissions are regulated under the waste gas combustion annual emissions cap, WG-CAP.

Dated September 17, 2004