

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2537

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**
BH-23	Baghouse No. 23 (ETF Process)	PM/PM ₁₀	<0.01	<0.01
		ZnO	<0.01	<0.01
		PbO	<0.001	<0.001
BH-24	Baghouse No. 24 (Melting Pots No. 4-6; Retorts No. 16-18)	PM/PM ₁₀	0.01	0.04
		ZnO	0.01	0.04
		PbO	<0.001	<0.001
BH-25	Baghouse No. 25 (Melting Pots No. 1-3; Retorts No. 3-4, 7-8)	PM/PM ₁₀	0.01	0.06
		ZnO	0.01	0.05
		PbO	<0.001	0.001
BH-26	Baghouse No. 26 (Retorts No. 1-2, 5-6)	PM/PM ₁₀	0.01	0.06
		ZnO	0.01	0.05
		PbO	<0.001	0.001
BH-28	Baghouse No. 28 (Dust Mill No. 2)	PM/PM ₁₀	0.12	0.51
		Zn	0.12	0.50
		Pb	<0.001	0.001
BH-29	Baghouse No. 29 (Dust Mill No. 1)	PM/PM ₁₀	0.08	0.33
		Zn	0.07	0.33
		Pb	<0.001	0.001
BH-30	Baghouse No. 30 (Transfer Station)	PM/PM ₁₀	0.01	0.02
		Zn	0.01	0.02
		Pb	<0.001	<0.001

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			lb/hr	TPY**
BH-31	Baghouse No. 31 (Retorts No. 9-15)	PM/PM ₁₀	0.02	0.10
		ZnO	0.02	0.09
		PbO	<0.001	0.001
BH-34	Baghouse No. 34 (Dust Mill No. 2 Air Classifier)	PM/PM ₁₀	0.12	0.51
		Zn	0.12	0.50
		Pb	<0.001	0.001
BH-36	Baghouse No. 36 (Dust Mill No. 1 Air Classifier)	PM/PM ₁₀	0.08	0.33
		Zn	0.07	0.33
		Pb	<0.001	0.001
FUG-1	Building No. 1 Fugitives (4) (Dust Mill No. 1 and 2)	PM/PM ₁₀	2.52	11.04
		Zn	2.49	10.92
		Pb	0.004	0.018
FUG-2	Building No. 2 Fugitives (4) (ETF Process)	CO	0.17	0.74
		NO _x	0.20	0.88
		SO ₂	<0.01	0.01
		VOC	0.01	0.05
		PM/PM ₁₀	0.02	0.08
		ZnO	<0.01	0.01
		PbO	<0.001	<0.001
FUG-3	Building No. 3 Fugitives (4) (Transfer Station, Retorts)	CO	1.42	6.23
		NO _x	1.69	7.41
		SO ₂	0.01	0.05
		VOC	0.09	0.41
		PM/PM ₁₀	0.87	3.82
		ZnO	0.66	2.88
		Zn	0.02	0.07
		PbO	0.007	0.032
		Pb	<0.001	<0.001
FUG-5	Building No. 5 Fugitives (4)	CO	1.71	7.51

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			lb/hr	TPY**
	(Retorts)	NO _x	2.04	8.94
		SO ₂	0.01	0.06
		VOC	1.12	0.49
		PM/PM ₁₀	1.07	4.66
		ZnO 0.82	3.59	
		PbO	0.009	0.040

(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 less than 10 microns in diameter including the following elements and/or compounds of these elements: zinc, zinc oxide, lead, lead oxide, iron, aluminum, cadmium, chromium, barium, arsenic, silver, mercury, selenium, and tin. Refer to Table 5A, dated January 19, 1996 in the permit file for emission limits for these elements and/or compounds.

ZnO - zinc oxide

Zn - zinc

PbO - lead oxide

Pb - lead

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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

* Refer to Special Condition No. 5 for throughput limitations and basis of emission rates.

Dated November 29, 2006