

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 32201

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-10	Storage Bins 1, 2, and 12 - Baghouse No. 10 Stack	ZnO	0.27	1.20
		Zn	0.07	0.30
		Pb	0.01	0.05
		Fe	0.01	0.05
		Al	<0.01	0.02
		Cl	0.02	0.08
		PM/PM ₁₀ (5)	0.34	1.50
BH-11	Storage Bins 3 through 11 and Railcar Unloading - Baghouse No. 11 Stack	ZnO	1.76	7.69
		Zn	0.44	1.92
		Pb	0.07	0.29
		Fe	0.07	0.29
		Al	0.02	0.10
		Cl	0.11	0.48
		PM/PM ₁₀ (5)	2.19	9.61
BH-19	Induction Furnace - Baghouse No. 19 Stack	ZnO	0.49	2.16
		Zn	0.12	0.54
		Pb	0.02	0.08
		Fe	0.02	0.08
		Al	0.01	0.03
		Cl	0.03	0.14
		PM/PM ₁₀ (5)	0.62	2.70
BH-32	Ball Mill 2 - Baghouse No. 32 Stack	ZnO	0.33	1.44
		Zn	0.08	0.36
		Pb	0.01	0.05
		Fe	0.01	0.05
		Al	<0.01	0.02
		Cl	0.02	0.09
		PM/PM ₁₀ (5)	0.41	1.80

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u> lb/hr TPY
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BH-33	Ball Mill 1 - Baghouse No. 33 Stack	ZnO	0.33	1.44
		Zn	0.08	0.36
		Pb	0.01	0.05
		Fe	0.01	0.05
		Al	<0.01	0.02
		Cl	0.02	0.09
		PM/PM ₁₀ (5)	0.41	1.80
E-24	Holding Furnace Burners Stack	CO	0.04	0.17
		NO _x	0.05	0.20
		SO ₂	<0.01	<0.01
		VOC	<0.01	0.01
		PM/PM ₁₀	<0.01	0.02
FUG-1	Building Fugitives (4)	ZnO	1.17	3.05
		Zn	0.29	0.76
		Pb	0.04	0.11
		Fe	0.04	0.11
		Al	0.01	0.04
		Cl	0.07	0.19
		PM/PM ₁₀ (5)	1.47	3.83
		CO	0.06	0.27
		NO _x	0.07	0.32
		SO ₂	<0.01	<0.01
		VOC	<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) ZnO - zinc oxide
Zn - zinc
Pb - lead
Fe - iron
Al - aluminum
Cl - chlorides
PM - particulate matter, suspended in the atmosphere, including PM₁₀

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- PM₁₀ - particulate matter less than 10 microns in diameter including the listed speciated particulates, as well as the following elements and/or compounds of these elements: copper, iron, aluminum, cadmium, chromium, barium, arsenic, silver, mercury, selenium, and tin. Refer to Table 2, dated October 18, 1995, in the permit file for emission limits for these elements and/or compounds.
- 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.
- (5) PM/PM₁₀ allowable emission rates include the listed speciated particulates.

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

Dated May 5, 2006