

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
BH-23	Baghouse No. 23 (ETF Process)	PM/PM ₁₀	<0.01	<0.01
		ZnO	<0.01	<0.01
		PbO	<0.01	<0.001
BH-24	Baghouse No. 24 (Melting Pots No. 5-8; 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. 1-4; Retorts No. 2-4, 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. 1,5,6)	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	<0.01
		Zn	<0.01	<0.01

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		Pb	<0.001	<0.001
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 (5) (Dust Mill No.1 and No. 2)	PM/PM ₁₀	2.52	11.04
		Zn	2.49	10.92
		Pb	0.004	0.018
FUG-2	Building No. 2 Fugitives (5) (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 (5) (Transfer Station, Retorts 1-8, and Melt Pots 1-4)	CO	1.45	6.38
		NO _x	1.79	7.84
		SO ₂	0.01	0.05
		VOC	0.10	0.44
		PM/PM ₁₀ /PM _{2.5}	0.88	3.84

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		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 (5) (Retorts 9-18 and Melt Pots 5-8)	CO	1.74	7.66
		NO _x	2.14	9.37
		SO ₂	0.01	0.06
		VOC	1.13	0.52
		PM/PM ₁₀ /PM _{2.5}	1.08	4.68
		ZnO	0.82	3.59
		PbO	0.000	0.04

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- ZnO - zinc oxide
- Zn - zinc
- PbO - lead oxide
- Pb - lead
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: October 20, 2011