

Emission Sources - Maximum Allowable Emission Rates

Permit Number 21925

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 (6)	
			lbs/hour	TPY (4)
1	Zinc Kettle Baghouse Stack	NH ₃	0.01	0.01
		NH ₄ Cl	0.02	0.04
		PM	0.02	0.06
		PM ₁₀	0.02	0.06
		PM _{2.5}	0.02	0.06
		Zn	0.01	0.01
		ZnCl ₂	0.01	0.01
		ZnO	0.01	0.01
2	Zinc Kettle Furnace Stack	CO	0.41	1.54
		NO _x	0.49	1.84
		PM	0.04	0.14
		PM ₁₀	0.04	0.14
		PM _{2.5}	0.04	0.14
		SO ₂	0.01	0.01
		VOC	0.03	0.10
BLDFUG	Building Fugitives (5) Caustic Tank Heater and Preflux Tank Heater	CO	0.23	0.85
		NO _x	0.27	1.01
		PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	0.02	0.08
		SO ₂	0.01	0.01
		VOC	0.02	0.06
FE-1	Zinc Tank Fugitives (5)	PM	0.05	0.12
		PM ₁₀	0.05	0.12
		PM _{2.5}	0.05	0.12
		NH ₃	0.01	0.01

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		NH ₄ Cl	0.03	0.08
		Zn	0.01	0.01
		ZnO	0.01	0.02
		ZnCl ₂	0.01	0.01
FE-2	HCl Acid Dip Tank 1 Fugitives (5)	HCl	0.01	0.03
FE-3	HCl Acid Dip Tank 2 Fugitives (5)	HCl	0.01	0.03
FE-4	HCl Acid Dip Tank 3 Fugitives (5)	HCl	0.01	0.02
FE-5	HCl Acid Dip Tank 4 Fugitives (5)	HCl	0.01	0.02
FE-6	HCl Acid Dip Tank 5 Fugitives (5)	HCl	0.01	0.05

- (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)
 - CO - carbon monoxide
 - HCl - hydrochloric acid
 - NH₃ - ammonia
 - NH₄Cl - ammonium chloride
 - NO_x - total oxides of nitrogen
 - 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
 - SO₂ - sulfur dioxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - Zn - zinc
 - ZnCl₂ - zinc chloride
 - ZnO - zinc oxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fugitive emissions are an estimate only.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: October 18, 2013