

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number: 56498

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**
BHSTACK	Zinc Kettle Fabric Filter	PM <sub>10</sub>	0.26	0.27
		NH <sub>4</sub> Cl	0.17	0.18
		ZnO 0.04	0.04	
		ZnCl <sub>2</sub> 0.01	0.01	
		Zn 0.01	0.01	
		NH <sub>3</sub> <0.01	<0.01	
BURNR	Zinc Kettle Burners	PM <sub>10</sub>	0.05	0.22
		SO <sub>2</sub> <0.01	0.02	
		CO 0.56	2.45	
		NO <sub>x</sub> 0.67	2.92	
		VOC 0.04	0.16	
BOILR	Boiler	PM <sub>10</sub>	0.01	0.02
		SO <sub>2</sub> <0.01	<0.01	
		CO 0.08	0.26	
		NO <sub>x</sub> 0.10	0.31	
		VOC <0.01	0.02	
BLDGFUG	Acid Tanks and (4 & 5) Zinc Kettle	PM <sub>10</sub>	0.27	0.28
		NH <sub>4</sub> Cl	0.18	0.19
		ZnO 0.04	0.05	
		ZnCl <sub>2</sub> 0.01	0.01	
		Zn 0.01	<0.02	
		NH <sub>3</sub> <0.01	<0.01	
		Cr 0.005	0.02	

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
 NO<sub>x</sub> - total oxides of nitrogen

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**

SO<sub>2</sub> - sulfur dioxide  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed,  
it shall be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide  
NH<sub>4</sub>Cl - ammonium chloride  
ZnO - zinc oxide  
ZnCl<sub>2</sub> - zinc chloride  
Zn - zinc  
NH<sub>3</sub> - ammonia

(4) Fugitive emissions are an estimate only.

(5) Includes emissions from the quench tank and zinc kettle fugitives

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule and parameters:

24 Hrs/day 5 Days/week 52 Weeks/year or 6240 Hrs/year

Maximum Authorized Zinc Kettle Throughput: 10.3 tons per hour and 21,400 tons per year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.