

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number S-18387

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
17	Caustic Cleaner Tank (4)	NaOH	0.06	0.25
19	Pickle Tank (4)	HCl	<0.01	<0.01
20	Pickle Tank (4)	HCl	<0.01	<0.01
21	Pickle Tank (4)	HCl	<0.01	<0.01
23	Preflux Tank (4)	ZnNH <sub>4</sub> Cl	0.06	0.25
24	Zinc Kettle "B" Heater Stack	PM/PM <sub>10</sub>	0.02	0.05
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.29	0.64
		CO	0.25	0.54
		VOC	0.02	0.04
25	Zinc Kettle "B" Baghouse Stack	PM/PM <sub>10</sub>	0.03	0.11
		ZnO	0.01	0.02
		Zn	<0.01	0.01
		ZnCl <sub>2</sub>	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
		NH <sub>4</sub> Cl 0.02	0.08	
35	Caustic Cleaner Tank Heater Stack	PM/PM <sub>10</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub> 0.01	0.02	
		CO 0.01	0.02	
		VOC <0.01	<0.01	
36	Pickle Tank (4)	HCl	<0.01	<0.01

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			lb/hr	TPY
37	Preflux Tank Heater Stack	PM\PM <sub>10</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.01	0.02
		CO	0.01	0.02
		VOC	<0.01	0.01
38	Cleaner Quench Water Tank (4)	VOC	<0.01	<0.01
39	Building Fugitive Emissions Zinc Kettle (4)	PM\PM <sub>10</sub>	0.03	0.11
		NH <sub>3</sub>	<0.01	<0.01
		NH <sub>4</sub> Cl	0.02	0.08
		Zn	<0.01	0.01
		ZnO	0.01	0.02
		ZnCl <sub>2</sub>	<0.01	0.01

(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 PM<sub>10</sub>

PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter

SO<sub>2</sub> - sulfur dioxide

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

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

NaOH - sodium hydroxide

HCl - hydrogen chloride

NH<sub>4</sub>Cl - ammonium chloride

ZnO - zinc oxide

Zn - zinc

ZnCl<sub>2</sub> - zinc chloride

NH<sub>3</sub> - ammonium

ZnNH<sub>4</sub>Cl - zinc ammonium chloride

(4) Fugitive emissions are an estimate only.

\* Refer to Special Condition No. 4 for production limitations and basis of emission rates.

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

Dated July 14, 2006