

Emission Sources - Maximum Allowable Emission Rates

Permit Number 49150

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)
SHPT-1	Caustic Tank (5)	NaOH	0.003	0.02
HCLPT-1	HCl Pickle Tank (5)	HCl	0.03	0.13
HCLPT-2	HCl Pickle Tank (5)	HCl	0.03	0.13
ZACPT-1	Preflux Tank (5)	ZnCl ₂ ·2NH ₄ Cl	0.005	0.21
NGCS-1	Zinc Kettle Burner Stack (6)	PM	<0.015	0.032
		PM ₁₀	<0.015	0.032
		PM _{2.5}	<0.015	0.032
		SO ₂	0.0012	<0.003
		NO _x	<0.20	0.43
		CO	0.16	0.36
		VOC	0.01	0.02
		Pb	2.0E-6	5.0E-6
BGHSE-1	Zinc Kettle Baghouse Stack	PM	0.013	0.02
		PM ₁₀	0.013	0.02
		PM _{2.5}	0.013	0.02
		ZnO	0.002	0.003
		Zn	0.0007	0.001
		ZnCl ₂	0.0005	0.0008
		NH ₃	<0.0002	0.0002
		NH ₄ Cl	0.009	0.013

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SHPTH-1	Caustic Tank Heater Stack	PM	<0.003	0.005
		PM ₁₀	<0.003	0.005
		PM _{2.5}	<0.003	0.005
		SO ₂	0.0002	0.0004
		NO _x	0.03	<0.07
		CO	<0.03	<0.06
		VOC	<0.002	<0.004
		Pb	2.0E-7	7.0E-7

- (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
 - Zn - zinc
 - ZnO - zinc oxide
 - ZnCl₂ - zinc chloride
 - NH₃ - ammonium
 - NH₄Cl - ammonium chloride
 - HCl - hydrochloric acid
 - NaOH - sodium hydroxide
 - ZnCl₂·2NH₄Cl - zinc ammonium chloride
 - 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.
- (6) PM and VOC emissions may contain trace values of various compounds including, but not limited to lead and specific VOC compounds.

Date: October 1, 2012