

Emission Sources - Maximum Allowable Emission Rates

Permit Number 42218

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 (7)	
			lbs/hour	TPY (5)
MTL SPRY	Outdoor Metal Spraying (6) (4)	PM	0.20	0.00314
		PM ₁₀	0.20	0.00314
		PM _{2.5}	0.20	0.00314
BURNER-STK	Kettle Burner & Air Dryer Stack	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		NO _x	1.96	8.60
		CO	1.65	7.21
		VOC	0.11	0.47
		SO ₂	0.29	1.29
HEAT-1	Caustic Tank Heater Stack	PM	<0.01	0.06
		PM ₁₀	<0.01	0.06
		NO _x	0.17	0.73
		CO	0.14	0.61
		VOC	0.01	0.04
		SO ₂	0.03	0.11
BLDG1-FUG	Six Pickle Tanks (4) (Zinc Kettle Caustic Tank Preflux Tank Rinse Tanks Quench Tanks Dulling Tanks)	PM	2.23	2.75
		PM ₁₀	2.23	2.75
		HCl	0.22	0.03
		NaOH	<0.06	0.25
		NH ₄ Cl	1.45	1.58
		ZnO	0.33	0.33
		ZnCl ₂	0.12	0.25
		Zn	0.10	0.10

Emission Sources - Maximum Allowable Emission Rates

		NH ₃	0.02	0.02
		Na ₂ SiO ₃ -5H ₂ O	0.02	0.10
SCRUB-1	Scrubber Stack (Six Pickle Tanks Preflux Tank)	PM	0.03	0.13
		PM ₁₀	0.03	0.13
		HCl	0.33	0.05
		NH ₄ Cl	0.01	0.05
		ZnCl ₂	0.01	0.05
		Na ₂ SiO ₃ -5H ₂ O	<0.01	0.03
BAG-1	Zinc Kettle Baghouse Stack	PM	0.17	0.17
		PM ₁₀	0.17	0.17
		NH ₄ Cl	0.11	0.11
		ZnO	0.03	0.03
		ZnCl ₂	<0.01	<0.01
		Zn	<0.01	<0.01
		NH ₃	<0.01	<0.01
BLDG2-PNT-FUG	Painting Operations Fugitives (4) (Spray Painting)	PM	0.83	0.17
		PM ₁₀	0.83	0.17
		VOC	1.33	0.04
BLDG2-BLST-FUG	Building Fugitives: (Abrasive Blast Operations (4) and Indoor Metal Spraying (4 and 6))	PM	0.006	0.03
		PM ₁₀	<0.03	<0.01
		PM _{2.5}	<0.03	<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) 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
- HCl - hydrogen chloride
- NaOH - sodium hydroxide

Emission Sources - Maximum Allowable Emission Rates

NH_4Cl	- ammonium chloride
Zn	- zinc
ZnCl_2	- zinc chloride
ZnO	- zinc oxide
NH_3	- ammonia
$\text{Na}_2\text{SiO}_3 \cdot 5\text{H}_2\text{O}$	- sodium silicate

- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Zinc included in PM, PM_{10} , and $\text{PM}_{2.5}$.
- (7) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: July 6, 2016