

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2673

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**
F-1	Zinc Kettle No. 1 (5) Filter Stack	PM ₁₀	0.036	0.045
		ZnO	0.006	0.007
		NH ₄ Cl 0.025	0.031	
F-3	Zinc Kettle No. 2 (5) Filter Stack	PM ₁₀	0.037	0.092
		ZnO	0.006	0.015
		NH ₄ Cl 0.025	0.063	
BF	Building Fugitives (4)(5)	PM ₁₀	0.074	0.14
		ZnO 0.012	0.022	
		NH ₄ Cl 0.05	0.095	
		HCl 0.025	0.11	
C-1	Zinc Kettle No.1 Burner	PM ₁₀	0.03	0.07
		NO _x 0.38	0.95	
		CO 0.32	0.80	
		VOC 0.02	0.05	
		SO ₂ 0.002	0.01	
C-2	Evaporator Burner	PM ₁₀	0.004	0.01
		NO _x 0.05	0.12	
		CO 0.04	0.10	
		VOC 0.02	0.01	
		SO ₂ <0.001	<0.001	
C-3	Pipe Coating Burner	PM ₁₀	0.01	0.02
		NO _x 0.10	0.24	
		CO 0.08	0.20	
		VOC 0.01	0.01	
		SO ₂ <0.001	0.002	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
C-4	Fittings Coating Burner	PM ₁₀	0.01	0.01
		NO _x	0.07	0.17
		CO	0.06	0.14
		VOC	<0.004	0.01
		SO ₂	0.001	<0.001
C-5	Degreaser Tank Burner	PM ₁₀	<0.004	0.01
		NO _x	0.05	0.12
		CO	0.04	0.10
		VOC	0.003	0.01
		SO ₂	<0.001	<0.001
C-6	Zinc Kettle No. 2 Burner	PM ₁₀	0.03	0.07
		NO _x	0.19	0.48
		CO	0.31	0.77
		VOC	0.02	0.05
		SO ₂	0.002	0.01
C-7	Galvanizing Line No. 2 Clean Tank Heater	PM ₁₀	0.01	0.02
		NO _x	0.11	0.29
		CO	0.10	0.24
		VOC	0.01	0.02
		SO ₂	<0.001	<0.002
C-8	Galvanizing Line No. 2 Rinse Tank Heater	PM ₁₀	0.01	0.01
		NO _x	0.03	0.07
		CO	0.02	0.06
		VOC	<0.002	<0.004
		SO ₂	<0.001	<0.001
F-2	Mill Scale Baghouse	PM ₁₀	0.86	2.14

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- (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 Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
CO - carbon monoxide
HCl - hydrogen chloride
ZnO - zinc oxide
NH₄Cl - ammonium chloride
- (4) Fugitive emissions are an estimate only.
- (5) PM includes speciated compounds of zinc, zinc oxide, iron, lead, cadmium, aluminum, zinc chloride, ammonium, and ammonium chloride. Emission rates for the compounds not listed on the maximum allowable emission rates table are represented in the permit file .

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

16 Hrs/day 6 Days/week 52 Weeks/year or ____ Hrs/year

Zinc Kettle No.1 and No. 2 Combined Maximum Hourly Throughput: 28,500 pounds of galvanized material

Zinc Kettle No.1 and No. 2 Combined Maximum Annual Throughput: 53,500 tons galvanized material

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

Dated April 30, 2004