

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49126

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**
BOILER-1	Boiler	PM ₁₀	0.04	0.17
		SO ₂	<0.01	<0.02
		NO _x	0.52	2.30
		CO	0.44	1.90
		VOC	0.03	0.13
NGCS-14	14' Kettle Burner	PM ₁₀	<0.02	<0.04
		SO ₂	<0.01	<0.01
		NO _x	0.20	0.44
		CO	0.17	0.37
		VOC	0.01	<0.03
NGCS-30	30' Kettle Burner	PM ₁₀	0.03	<0.07
		SO ₂	<0.01	<0.01
		NO _x	0.40	0.88
		CO	0.34	0.74
		VOC	0.02	0.05
NGCS-32	32' Kettle Burner	PM ₁₀	0.05	0.10
		SO ₂	<0.01	<0.01
		NO _x	0.60	1.32
		CO	0.51	1.10
		VOC	0.03	0.07
NGCS-42A	42' Kettle Burner	PM ₁₀	0.05	0.10
		SO ₂	<0.01	<0.01
		NO _x	0.60	1.32
		CO	0.51	1.10
		VOC	0.03	0.07

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			lb/hr	TPY**
NGCS-42B	42' Kettle Burner	PM ₁₀	0.05	0.10
		SO ₂	<0.01	
		NO _x	0.60	1.32
		CO	0.51	1.10
		VOC	0.03	0.07
BGHSEW-1	14' and 30' Zinc Kettles Baghouse Stack	PM ₁₀	0.47	0.07
		ZnO	0.08	0.01
		Zn	0.02	<0.01
		ZnCl ₂	<0.02	<0.01
		NH ₃	<0.01	<0.001
		NH ₄ Cl	0.32	0.05
BGHSEE-1	32' and 42' Zinc Kettles Baghouse Stack	PM ₁₀	0.80	0.12
		ZnO	0.13	0.02
		Zn	0.04	<0.01
		ZnCl ₂	0.03	<0.01
		NH ₃	<0.01	<0.001
		NH ₄ Cl	0.55	0.08
BLDGFUG	Production Bldg Fug (4)	PM ₁₀	1.30	0.20
		ZnO	0.21	0.03
		Zn	0.07	<0.01
		ZnCl ₂	0.05	<0.01
		NH ₃	<0.02	<0.002
		NH ₄ Cl	0.88	0.13
		NaOH	0.04	0.17
		H ₂ SO ₄	0.10	0.45
ZMSFUG-1	Metal Spraying Building (4)	HCl	<0.01	0.03
		PM ₁₀	0.45	0.41
		NO _x	3.93	3.58
		CO	0.55	0.50
		SO ₂	0.004	0.004
		VOC	0.16	0.15

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			lb/hr	TPY**
SBGFUG-1	Outdoor Abrasive Blasting (4)	PM	1.30	0.70
		PM ₁₀ 0.16	0.08	

(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

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - 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

HCl - hydrogen chloride

NaOH - sodium hydroxide

H₂SO₄ - sulfuric acid

NH₃ - ammonia

NH₄Cl - ammonia chloride

Zn - zinc

ZnO - zinc oxide

ZnCl₂ - zinc chloride

(4) Fugitive emissions are an estimate only.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

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Galvanizing Plant Throughput limited to 500,000 pounds per hour and 75,000 tons per year.

Outdoor Blast Cleaning operation limited to 3 hours per day, 1,092 hours per year, and a maximum grit/blasting medium use of 1,200 pounds per hour.

Metal Spraying operations are limited to 5 hours per day, 1,820 hours per year, and a maximum usage of 16 pounds of wire /powder per hour.

Dated _____