

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56566

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**
104	Spent Acid Furnace (7) (1,314 hours per calendar year)	VOC	0.01	0.01
117	Steam Boiler (5) (2,100 hours per calendar year)	CO	9.06	9.51
		NO _x	30.20	
		31.71		
		PM ₁₀	0.82	0.86
		SO ₂	0.07	
		VOC	0.62	
	(6) (2,100 hours per calendar year)	CO	3.30	3.47
		NO _x	1.21	
		1.27		
		PM ₁₀	0.82	0.86
		SO ₂	0.07	
		VOC	0.62	
122	Spent Acid Caustic Scrubber (8) (1,314 hours per calendar year)	SO ₂	0.02	
		0.01		
		VOC	5.39	
		0.09		
123	Spent Acid Caustic Scrubber (9) (1,314 hours per calendar year)	SO ₂	0.02	
		0.01		
		VOC	5.39	
		0.09		
124	Tank 77 Oleum Storage Vent	H ₂ SO ₄	0.15	0.07
125	Oleum Barge Loading Vent	H ₂ SO ₄	0.01	0.01

126	Oleum Loading Stack Vent	H ₂ SO ₄	0.46	0.12
127	Oleum Vent Stack System	H ₂ SO ₄	1.12	0.15
130	Oleum Tank Truck Loading Vent Stack	H ₂ SO ₄	0.02	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
FUG-BARGE	Oleum Dock Uncollected Loading Losses	H ₂ SO ₄	0.69	0.34
FUG-LOAD	Dock Uncollected Loading Losses	SO ₂	0.89	0.10
		VOC	0.28	0.03
FUG-TRUCK	Tank Truck Uncollected Loading Losses	H ₂ SO ₄	0.23	0.03
FUG-OLEUM1	Oleum Process Fugitives (4)	H ₂ SO ₄	0.09	0.40
FUG-OLEUM2	Oleum Process Fugitives (4)	H ₂ SO ₄	0.02	0.06
FUG-OLEUM3	Oleum Process Fugitives (4)	H ₂ SO ₄	0.03	0.12
FUG-OLEUM4	Oleum Process Fugitives (4)	H ₂ SO ₄	0.02	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) CO - carbon monoxide
H₂SO₄ - sulfuric acid
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter (PM) 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.
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Pre-emission control
- (6) Post emission control
- (7) Only emissions from this permitted facility are shown.
- (8) This EPN shall emit collected barge loading vapors from this permitted facility until successful operation of a vapor combustor authorized in Permit Number 4802. The vapor combustor will not control VOC emissions from this permitted facility.

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- (9) This EPN shall emit collected barge loading vapors from this permitted facility after successful operation of a vapor combustor authorized in Permit Number 4802. The vapor combustor does not control VOC emissions from this permitted facility.

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

24 Hrs/day 7 Days/week 52 Weeks/year

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