

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 19282 and PSDTX1081

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)	lb/hr	<u>Emission Rates *</u>
				TPY**
101	Unit No. 8 Stack	CO	1.75	7.65
		H ₂ SO ₄ (6)	16.25	71.18
		NO _x	9.75	42.70
		PM	3.36	14.72
		PM ₁₀	3.36	14.72
		PM _{2.5}	3.36	14.72
		SO ₂	325.03	806.65
		Ag	0.022	0.095
		As	0.068	0.297
		Ba	0.023	0.099
		Be	0.014	0.063
		Cd	0.014	0.063
		Cl ₂	0.721	3.159
		Cr	0.077	0.337
		Hg	0.0004	0.002
		Ni	0.061	0.267
		Pb	0.032	0.141
		Sb	0.037	0.158
		Se	0.044	0.192
		Tl	0.014	0.063
102	Acid Pump Tank	SO ₂	0.01	0.01

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	Emission Rates *
				TPY**
103	Natural Gas Start Up Vent (8)	CO	4.12	
		NO _x	4.90	
		PM	0.37	
		PM ₁₀	0.37	
		PM _{2.5}	0.37	
		SO ₂	0.03	
		VOC	0.27	
105	Natural Gas Start Up Vent (8)	CO	4.12	
		NO _x	4.90	
		PM	0.37	
		PM ₁₀	0.37	
		PM _{2.5}	0.37	
		SO ₂	0.03	
		VOC	0.27	
106	Natural Gas Start Up Vent (8)	CO	4.12	
		NO _x	4.90	
		PM	0.37	
		PM ₁₀	0.37	
		PM _{2.5}	0.37	
		SO ₂	0.03	
		VOC	0.27	
	Annual Emission Cap (5) (EPNs 103, 105 and 106)	CO		0.31
		NO _x		0.37
		PM		0.03
		PM ₁₀		0.03
		PM _{2.5}		0.03
		SO ₂		0.01
		VOC		0.02
CATSCNU8	Catalyst Screening (7)	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY**
FE1	Process Fugitives (4)	SO ₂	0.01	0.03

- (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) Ag - silver
As - arsenic
Ba - barium
Be - beryllium
Cd - cadmium
Cl₂ - chlorine
CO - carbon monoxide
Cr - chromium
Hg - mercury
H₂SO₄ - sulfuric acid mist
Ni - nickel
NO_x - total oxides of nitrogen
Pb - lead
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
Sb - antimony
Se - selenium
SO₂ - sulfur dioxide
Tl - thallium
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) 150 hours of operation on a rolling 12-month basis for EPNs 103, 105 and 106.
- (6) PSDTX1081 pollutant.
- (7) Planned maintenance, startup and shutdown activity only
- (8) Planned startup activity only

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

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

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

Dated month day, 2011

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