

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 19282

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	
			lbs/hour	TPY (4)
101	Unit No. 8 Stack	CO	1.75	7.65
		H2SO4 (7)	13.00	56.94
		NOx	9.75	42.7
		PM	3.36	14.72
		PM10	3.36	14.72
		PM2.5	3.36	14.72
		SO2	325.00	724.20
		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
		Cl2	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

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102	Acid Pump Tank	SO2	0.01	0.01
103	Natural Gas Start Up Vent (9)	CO	4.12	
		NOx	4.90	
		PM	0.37	
		PM10	0.37	
		PM2.5	0.37	
		SO2	0.03	
		VOC	0.27	
105	Natural Gas Start Up Vent (9)	CO	4.12	
		NOx	4.90	
		PM	0.37	
		PM10	0.37	
		PM2.5	0.37	
		SO2	0.03	
		VOC	0.27	
106	Natural Gas Start Up Vent (9)	CO	4.12	
		NOx	4.90	
		PM	0.37	
		PM10	0.37	
		PM2.5	0.37	
		SO2	0.03	
		VOC	0.27	
	Annual Emission Cap (6) (EPNs 103, 105 and 106)	CO		0.31
		NOx		0.37
		PM		0.03

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		PM10		0.03
		PM2.5		0.03
		SO2		0.01
		VOC		0.02
CATSCNU8	Catalyst Screening (8)	PM	0.01	0.01
		PM10	0.01	0.01
		PM2.5	0.01	0.01
FE1	Process Fugitives (5)	SO2	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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- HRVOC - highly reactive volatile organic compounds as defined in 30 TAC § 115.10
- IOC-U - inorganic compounds (unspeciated)
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 14, 2012