

EMISSION SOURCES - CERTIFIED EMISSION RATES

Registration Number 94477

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
ENG-1	Rich-burn 145-hp Caterpillar 3306 NA Compressor Engine	VOC	0.13	0.55
		NO _x	7.70	33.73
		CO	7.70	33.73
		SO ₂	0.013	0.055
		PM ₁₀	0.021	0.093
		PM _{2.5}	0.021	0.093
		CH ₂ O	0.074	0.322
FL-1	Process Flare	VOC	0.25	1.08
		NO _x	0.14	0.60
		CO	0.55	2.41
		SO ₂	0.075	0.33
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
FUG	Fugitives (5)	VOC	0.88	3.86
		H ₂ S	0.003	0.0012
		HAP	0.66	2.91
HEATER-1	0.75 MMBtu/hr Horizontal Heater Treater	VOC	0.0033	0.014
		NO _x	0.06	0.263
		CO	0.051	0.221
		SO ₂	<0.001	0.002
		PM ₁₀	0.0046	0.02

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HEATER-2	0.50 MMBtu/hr Vertical Heater Treater	PM _{2.5}	0.0046	0.02
		CH ₂ O	<0.0001	0.0002
		VOC	0.0022	0.01
		NO _x	0.04	0.18
		CO	0.03	0.15
		SO ₂	0.0002	0.001
		PM ₁₀	0.003	0.013
		PM _{2.5}	0.003	0.013
		CH ₂ O	<0.0001	0.0001
LOAD	Truck Loading Emission	VOC	0.59	0.25
FL-TANK	Tank Vents	VOC	0.67	2.93
		H ₂ S	<0.001	<0.001
		HAP	0.03	0.11

Air Contaminant	Total Emission Rates	
	lbs/hr	tons per year
VOC	2.526	8.69
NO _x	7.94	34.74
CO	8.331	36.511
SO ₂	0.089	0.388
H ₂ S	0.0103	0.00153
PM ₁₀	0.0286	0.126
PM _{2.5}	0.0286	0.126
HAP	0.69	3.02
CH ₂ O	0.0741	0.322

(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
NO _x	- total oxides of nitrogen
CO	- carbon monoxide
SO ₂	- sulfur dioxide

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H ₂ S	- hydrogen sulfide
CH ₂ O	- formaldehyde
PM represented	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- 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
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. Emission values should be used for federal applicability.

Effective
Date:

03/10/2011