

# EMISSION SOURCES - CERTIFIED EMISSION RATES

Registration Number 93981

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)
DEHY-REB-1	Glycol Reboiler 1	CO	0.12	0.53
		NOx	0.15	0.66
		PM10	0.01	0.04
		SO2	<0.01	<0.01
		VOC	0.01	0.04
DEHY-REB-2	Glycol Reboiler 2	CO	0.12	0.53
		NOx	0.15	0.66
		PM10	0.01	0.04
		SO2	<0.01	<0.01
		VOC	0.01	0.04
AMINE-REB-1	Amine Reboiler 1	CO	0.58	2.54
		NOx	0.69	3.02
		PM10	0.05	0.22
		SO2	0.01	0.02
		VOC	0.04	0.18
AMINE-REB-1	Amine Reboiler 1	CO	0.58	2.54
		NOx	0.69	3.02
		PM10	0.05	0.22
		SO2	0.01	0.02
		VOC	0.04	0.18
AMINE-CON-1	Amine Regenerator Condenser 1	CO	0.21	0.92
		NOx	0.25	1.10

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		PM10	0.02	0.09
		SO2	<0.01	<0.01
		VOC	0.01	0.04
AMINE-CON-1	Amine Regenerator Condenser 1	CO	0.21	0.92
		NOx	0.25	1.10
		PM10	0.02	0.09
		SO2	<0.01	<0.01
		VOC	0.01	0.04
GSV-1	Glycol Dehy 1 Still Vent	VOC	0.14	0.59
GSV-2	Glycol Dehy 2 Still Vent	VOC	0.14	0.59
FT-1	Amine 1 Flash Tank	VOC	0.01	0.04
TO	Thermal Oxidizer Amine 1 Acid Gas	VOC	0.01	0.03
FT-2	Amine 2 Flash Tank	VOC	0.01	0.04
TO	Thermal oxidizer Amine 2 Acid Gas	VOC	0.01	0.03
TO	Thermal Oxidizer	CO	2.34	10.25
		NOx	1.17	5.12
		PM10	0.06	0.26
		SO2	0.01	0.04
		VOC	0.05	0.22
SF-1	Site Fugitives (5)	VOC	0.68	2.96
TK-1	Produced Water/Condensate Tank1	VOC	0.27	1.09
TK-2	Produced Water/Condensate Tank2	VOC	0.27	1.09
TK-3	Produced	VOC	0.27	1.09

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	Water/Condensate Tank3			
TKS-GLY	Glycol Tanks	VOC	0.20	0.001
TKS-AMINE	Amine Tank	VOC	0.005	0.0001
LRK-1	Loading Rack	VOC`	23.76	0.13

Air Contaminant	Total Emission Rates	
	lbs/hr	tons per year
VOC	25.76	8.42
NO <sub>x</sub>	3.35	14.68
CO	4.16	18.23
SO <sub>2</sub>	0.03	0.11
PM <sub>10</sub>	0.22	0.96
PM <sub>2.5</sub>	0.22	0.96

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 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
- (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:

December 9, 2010