

Emission Sources - Certified Emission Rates

Registration Number 94896

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

CERTIFIED SITEWIDE EMISSIONS															
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NOx		CO		PM ₁₀ /PM _{2.5}		SO ₂		Other		Other	
HT / 0.50 MMBtu/hr heater treater		<0.01	0.01	0.05	0.22	0.04	0.18	<0.01	0.02	<0.01	<0.01				
TANK1/500 bbl crude oil tank		0.19	0.83												
TANK2/500 bbl crude oil tank		0.19	0.83												
TANK3 / 500 bbl produced water tank		<0.01	<0.01												
TANK4 / 500 bbl produced water tank		<0.01	<0.01												
C LOAD / Crude loading		20.88	9.69												
PW LOAD / Produced water loading		0.21	0.07												
COMB / 2.10 MMBtu/hr SFI combustor		1.52	6.66	0.21	0.92	0.18	0.79	0.02	0.09	<0.01	<0.01				
FLARE / 2 MMBtu/hr flare		2.38	4.01	0.28	1.21	0.55	2.41	<0.01	<0.01	<0.01	<0.01				
FUG / Sitewide fugitives		0.43	1.88												
TOTAL EMISSIONS (lbs/hr):		25.81		0.54		0.77		0.02		<0.01					
TOTAL EMISSIONS (TPY):			23.99		2.35		3.38		0.11		0.01				
MAXIMUM OPERATING SCHEDULE:		Hours/Day		24		Days/Week		7		Weeks/Year		52		Hours/Year	
														8,760	

* Planned MSS emissions for the alternate operating scenario during the period when the SFI combustor is not operational and the vapors are combusted by the flare have been reviewed. These planned MSS emissions are based on the combustor being offline 24 hours per day, 1 day per month, and 12 months per year (288 hr/yr) and are included in the VOC emissions for the flare (EPN FLARE). No other planned MSS emissions have been represented or reviewed.

- (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_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- 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
- (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:

July 13, 2011