

Emission Sources - Certified Emission Rates

Registration Number 95823

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 EMISSIONS															
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NOx		CO		PM ₁₀ /PM _{2.5}		SO ₂		Other		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
TANK 1 / 500 bbl crude oil tank		0.87	3.79												
TANK 2 / 500 bbl crude oil tank		0.87	3.79												
PWTANK 1 / 500 bbl produced water tank		0.01	0.06												
HEAT 1 / 0.75 MMBtu/hr heater treater		<0.01	0.02	0.07	0.31	0.06	0.26	0.01	0.02	<0.01	0.02				
HEAT 2 / 0.75 MMBtu/hr heater treater		<0.01	0.02	0.07	0.31	0.06	0.26	0.01	0.02	<0.01	0.02				
CLOAD / Crude loading		25.36	13.79												
PWLOAD / Produced water loading		0.25	0.12												
FLARE / Maintenance flare		0.70	0.25	0.07	0.02	0.14	0.05	<0.01	<0.01	<0.01	<0.01				
FUG / Sitewide fugitives		0.37	1.63												
TOTAL EMISSIONS (lbs/hr):		28.44		0.21		0.26		0.02		<0.01					
TOTAL EMISSIONS (TPY):			23.47		0.64		0.57		0.04		0.04				
MAXIMUM OPERATING SCHEDULE:		Hours/Day		24	Days/Week		7	Weeks/Year		52	Hours/Year		8,760		

* MSS emissions from the flare during VRU downtime are based on 720 hours per year (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) 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
 - 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
 - SO₂ - sulfur dioxide
- (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:

June 24, 2011