

Emission Sources - Certified Emission Rates

Registration Number 95131

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		CH ₂ O*		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
ENG1 (MC1836) / 95 hp Caterpillar G3304 NA gas lift engine equipped with AFRC (Serial Number: N4F02461)		0.15	0.66	2.74	12.00	2.74	12.00	0.01	0.06	<0.01	<0.01	0.06	0.27		
ENG1 / Caterpillar G3304 NA blowdowns**		37.24	0.37												
ENG2 (MC3156) / 95 hp Caterpillar G3304 NA gas lift engine equipped with AFRC (Serial Number: N4F02987)		0.15	0.66	2.74	12.00	2.74	12.00	0.01	0.06	<0.01	<0.01	0.06	0.27		
ENG1 / Caterpillar G3304 NA blowdowns**		37.24	0.37												
HT1 / 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				
HT2 / 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 / 400 bbl crude oil tank		0.01	0.05												
TANK2 / 400 bbl crude oil tank		0.01	0.05												
TANK3 / 400 bbl crude oil tank		0.01	0.05												
TANK4 / 400 bbl crude oil tank		0.01	0.05												
TANK5 / 400 bbl crude oil tank		0.01	0.05												
TANK6 / 400 bbl crude oil tank		0.01	0.05												
TANK7 / 400 bbl produced water tank		<0.01	<0.01												
TANK8 / 400 bbl produced water tank		<0.01	<0.01												
COMB / 2.00 MMBtu/hr MRW combustor		1.87	8.19	0.20	0.88	0.17	0.74	0.02	0.09	<0.01	<0.01				
C LOAD / Crude loading		6.77	1.92												
PW LOAD / Produced water loading		0.23	0.04												
FUG / Sitewide fugitives (5)		1.53	6.71												
TOTAL EMISSIONS (lbs/hr):		85.25		5.78		5.73		0.05		<0.01		0.12			
TOTAL EMISSIONS (TPY):			19.24		25.32		25.10		0.25		0.01		0.54		
MAXIMUM OPERATING SCHEDULE:		Hours/Day		24	Days/Week		7	Weeks/Year		52	Hours/Year		8,760		

* Formaldehyde emissions are included in the total VOC emissions.

** Planned MSS emissions from blowdowns for the two 95 hp Caterpillar G3304 NA gas lift engines (EPNs ENG1 - MC1836 and ENG2 - MC3156) are based on 1,000 SCF per blowdown, 1 hour per blowdown, and 20 blowdowns per year for each gas lift engine. No other planned MSS emissions have been represented or reviewed.

Emission Sources - Certified Emission Rates

- (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
CH₂O - formaldehyde
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:

August 15, 2011
