

Emission Sources - Certified Emission Rates

Registration Number 95896

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		H ₂ S		HAP		
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	
ENG-1 / 215 hp Caterpillar G3406 NA compressor engine with AFRC and NSCR (Serial Number: 4FD01321)	HAP emissions are CH ₂ O and are included in the total VOCs	0.12	0.51	0.24	1.04	0.24	1.04	0.03	0.14	<0.01	<0.01			0.03	0.14	
HEATER-1 / 0.75 MMBtu/hr horizontal heater treater		<0.01	0.01	0.05	0.23	0.04	0.20	<0.01	0.02	<0.01	<0.01			<0.01	<0.01	
HEATER-2 / 0.50 MMBtu/hr horizontal heater treater		<0.01	0.01	0.05	0.16	0.04	0.13	<0.01	0.01	<0.01	<0.01			<0.01	<0.01	
HEATER-3 / 0.50 MMBtu/hr vertical heater treater		<0.01	0.01	0.05	0.16	0.04	0.13	<0.01	0.01	<0.01	<0.01			<0.01	<0.01	
FL-TANK / Tank vent emissions controlled by flare		1.57	6.89									<0.01	<0.01	0.05	0.21	
FL-1 / Process flare (pilot emissions)		0.19	0.85	0.33	1.46	1.33	5.83	<0.01	<0.01	0.09	0.40					
LOAD / Crude oil and produced water truck loading		4.18	1.96													
FUG / Fugitives		1.13	4.97									0.01	0.02	0.77	3.37	
TOTAL EMISSIONS (lbs/hr):		7.20		0.72		1.69		0.04		0.09		0.01		0.85		
TOTAL EMISSIONS (TPY):			15.21		3.05		7.33		0.18		0.40		0.03		3.72	
MAXIMUM OPERATING SCHEDULE:		Hours/Day		24		Days/Week		7		Weeks/Year		52		Hours/Year		8,760

* No planned MSS emissions have been represented or reviewed for this registration.

- (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
 - 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
 - CH₂O - formaldehyde
 - 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
 - H₂S - hydrogen sulfide
- (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.

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Effective
Date:

June 24, 2011
