

# Emission Sources - Certified Emission Rates

Registration Number 98545

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 <sub>10</sub> /PM <sub>2.5</sub>		SO <sub>2</sub>		H <sub>2</sub> S		CH <sub>2</sub> O*	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
C-1 / 1,380 hp Caterpillar G3516B compressor engine		1.81	7.92	1.52	6.66	1.50	6.56	0.53	2.32	0.05	0.23			0.16	0.72
C-2 / 1,380 hp Caterpillar G3516B compressor engine		1.81	7.92	1.52	6.66	1.50	6.56	0.53	2.32	0.05	0.23			0.16	0.72
PT-1 / Pressurized natural gas liquids tank		The company represents the tank is pressurized and has no emissions.													
T-1 / 210 bbl produced water tank		<0.01	0.02												
LL-1 / Pressurized NGL liquids loading		1.05	0.10												
LL-2 / Produced water loading		<0.01	<0.01												
FUG / Site fugitives (5)		0.72	3.17									0.02	0.07		
MSS / Maintenance, startup, and shutdown**		47.23	3.40									0.04	<0.01		
<b>TOTAL EMISSIONS (lbs/hr):</b>		<b>52.62</b>		<b>4.56</b>		<b>4.50</b>		<b>1.59</b>		<b>&lt;0.01</b>		<b>0.06</b>			
<b>TOTAL EMISSIONS (TPY):</b>			<b>22.53</b>		<b>19.98</b>		<b>19.68</b>		<b>6.96</b>		<b>0.03</b>		<b>0.07</b>		
<b>MAXIMUM OPERATING SCHEDULE:</b>		<b>Hours/Day</b>		<b>24</b>		<b>Days/Week</b>		<b>7</b>		<b>Weeks/Year</b>		<b>52</b>		<b>Hours/Year</b>	

\* Formaldehyde emissions are included in the total VOC emissions.

\*\* Planned MSS emissions include blowdowns and startups and shutdowns. Blowdowns for each of the two compressor engines are based on 4,000 SCF per blowdown, 1 blowdown per hour, and 36 blowdowns per year. Startups and shutdowns for each of the two compressor engines are based on 4,000 SCF per blowdown, 1 blowdown per hour, and 36 blowdowns per year. Planned MSS activities for the engines do not occur simultaneously and will be limited to one compressor in a one hour period. No other 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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- CH<sub>2</sub>O - formaldehyde
- NO<sub>x</sub> - total oxides of nitrogen
- CO - carbon monoxide
- 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
- SO<sub>2</sub> - sulfur dioxide
- H<sub>2</sub>S - 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.

Effective

October 12, 2011

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Date: \_\_\_\_\_