

# EMISSION SOURCES - CERTIFIED EMISSION RATES

Registration Number 74861

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	VOC		NOx		CO		PM <sub>10</sub> /PM <sub>2.5</sub>		SO <sub>2</sub>		HAPs <sup>2</sup>		CH <sub>2</sub> O <sup>1</sup>		
	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	
MC1265 / 1,340 hp Caterpillar G3516 TALE engine with oxidation catalyst	0.59	2.57	5.91	25.88	1.77	7.76	0.10	0.44	<0.01	0.03	0.37	1.64	0.18	0.78	
MC1279 / 1,340 hp Caterpillar G3516 TALE engine with oxidation catalyst	0.59	2.57	5.91	25.88	1.77	7.76	0.10	0.44	<0.01	0.03	0.37	1.64	0.18	0.78	
MC1584 / 1,340 hp Caterpillar G3516 TALE engine with oxidation catalyst	0.59	2.57	5.91	25.88	1.77	7.76	0.10	0.44	<0.01	0.03	0.37	1.64	0.18	0.78	
G1 / 98 hp Isuzu BJ-4JJ1X diesel generator engine	0.02	0.08	0.47	2.04	0.19	0.84	0.03	0.12	0.15	0.67	<0.01	0.01	<0.01	<0.01	
V1/F1 / 20 MMSCF/day TEG dehydration unit	0.41	1.81									0.03	0.14			
H1 / 0.55 MMBtu/hr reboiler	<0.01	0.01	0.05	0.24	0.05	0.20	<0.01	0.02	<0.01	<0.01	<0.01	<0.01			
TK1, TK2, TK3, TK4, TK5 / Four 300 bbl and one 400 bbl condensate tanks	Emissions controlled by flare.														
LOAD / Condensate loading	33.13	6.05									3.76	0.69			
FLARE / Flare	0.81	3.55	0.24	1.03	0.47	2.06	<0.01	<0.01	<0.01	<0.01	0.01	0.05			
FUG / Fugitives	0.46	2.01									0.01	0.06			
BD/ Compressor blowdowns <sup>3</sup>	18.58	1.67									1.78	0.16			
TOTAL EMISSIONS (lbs/hr):	55.18		18.49		6.02		0.34		0.17		6.70		0.54		
TOTAL EMISSIONS (TPY):		22.89		80.95		26.39		1.47		0.76		6.03		2.34	
MAXIMUM OPERATING SCHEDULE:	Hours/Day		24		Days/Week		7		Weeks/Year		52		Hours/Year		8,760

<sup>1</sup> Formaldehyde emissions are included in HAPs emissions.

<sup>2</sup> HAPs emissions are included in VOC emissions.

<sup>3</sup> MSS emissions from compressor blowdowns are based on 1,852.4 SCF per blowdown, one blowdown per hour, and 60 blowdowns per year for each of the three compressor engines. 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<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

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

CH<sub>2</sub>O - formaldehyde

(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 20, 2011

Date:

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