

EMISSION SOURCES - CERTIFIED EMISSION RATES

Registration Number 84352

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

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MC3171	215 hp Caterpillar G3406 NA engine equipped with an air-fuel ratio controller (Serial Number: 4FD03201)	VOC	0.61	1.12
		H ₂ CO (included in VOC)	0.16	0.68
		NO _x	5.30	23.20
		CO	5.82	25.48
		PM ₁₀ /PM _{2.5}	0.03	0.14
		SO ₂	<0.01	<0.01
ENG1	Compressor blowdowns (5)	VOC	0.35	<0.01
HT	dehydrator regenerator heater	VOC	<0.01	<0.01
		NO _x	0.01	0.05
		CO	0.01	0.05
		PM ₁₀ /PM _{2.5}	<0.01	<0.01
		SO ₂	<0.01	<0.01
T1	210 bbl condensate tank	VOC	1.11	4.84
T2	210 bbl produced water tank	VOC	0.05	0.21
L1	Condensate loading	VOC	20.49	0.07
L2	Produced water loading	VOC	0.44	<0.01
FUG	Site fugitives (6)	VOC	0.01	0.02

Air Contaminant	Total Emission Rates	
	lbs/hr	tons per year
VOC	23.86	11.31
H ₂ CO (included in VOC)	0.16	0.68
NO _x	5.31	23.25
CO	5.83	25.53
PM ₁₀ /PM _{2.5}	0.03	0.14
SO ₂	<0.01	0.01

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- (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
H ₂ CO	- formaldehyde
NO _x	- total oxides of nitrogen
CO	- carbon monoxide
PM ₁₀	- 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
SO ₂	- sulfur dioxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Compressor blowdown emissions are included in the VOC emissions for EPN ENG1.
- (6) 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:

March 23, 2011
