

# EMISSION SOURCES - CERTIFIED EMISSION RATES

Registration Number 73599

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)
MC1473	1,265 hp Caterpillar G3516 TALE engine (Serial #: 4EK03659)	VOC	1.65	7.21
		HAPs (included in VOC)	1.02	4.48
		H <sub>2</sub> CO (included in HAPs)	0.84	3.66
		NO <sub>x</sub>	5.58	24.43
		CO	8.37	36.65
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.10	0.42
		SO <sub>2</sub>	0.01	0.02
MC3580	1,380 hp/ Waukesha L5794 GSI engine with NSCR (Serial #: C-17561/1)	VOC	0.21	0.93
		HAPs (included in VOC)	0.28	1.22
		H <sub>2</sub> CO (included in HAPs)	0.15	0.67
		NO <sub>x</sub>	1.70	7.46
		CO	2.17	9.49
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.21	0.91
		SO <sub>2</sub>	0.01	0.03
G1	67 hp Isuzu BU-4JJ1T diesel generator engine	VOC	0.01	0.06
		HAPs (included in VOC)	<0.01	0.01
		H <sub>2</sub> CO (included in HAPs)	<0.01	<0.01
		NO <sub>x</sub>	0.33	1.45
		CO	0.15	0.67
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.03	0.11
		SO <sub>2</sub>	0.10	0.46
LOAD	Condensate loading	VOC	44.43	4.77
		HAPs (included in VOC)	5.14	0.55

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FLARE	Flare (controls 300 bbl condensate tanks (TK1, TK2, and TK3))	VOC	0.38	1.69
		NO <sub>x</sub>	0.06	0.25
		CO	0.50	2.18
		PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
FUG	Fugitives (5)	VOC	0.41	1.81
BD	Blowdowns	VOC	19.21	1.15

Air Contaminant	Total Emission Rates	
	lbs/hr	tons per year
VOC	66.30	17.62
HAPs (included in VOC)	6.44	6.26
H <sub>2</sub> CO (included in HAPs)	0.95	4.33
NO <sub>x</sub>	7.67	33.60
CO	11.19	48.99
PM <sub>10</sub> /PM <sub>2.5</sub>	0.34	1.44
SO <sub>2</sub>	0.12	0.51

- (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  
 H<sub>2</sub>CO - 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  
Date:

March 8, 2011