

EMISSION SOURCES - CERTIFIED EMISSION RATES

Registration Number 95006

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)
MC2006	1,380 hp Waukesha L5794 GSI engine equipped with NSCR (Serial Number: C-17695/1)	VOC	0.37	1.61
		HAPs (included in VOC)	0.15	0.66
		H ₂ CO (included in HAPs)	0.02	0.11
		NO _x	1.76	7.73
		CO	2.68	11.73
		PM ₁₀ /PM _{2.5}	0.21	0.91
		SO ₂	0.01	0.03
MC2086	1,380 hp Waukesha L5794 GSI engine equipped with NSCR (Serial Number: C-17375/1)	VOC	0.37	1.61
		HAPs (included in VOC)	0.15	0.66
		H ₂ CO (included in HAPs)	0.02	0.11
		NO _x	1.76	7.73
		CO	2.68	11.73
		PM ₁₀ /PM _{2.5}	0.21	0.91
		SO ₂	0.01	0.03
MC3029	1,340 hp Caterpillar G3516 TALE engine with oxidation catalyst (Serial Number: WPW00890)	VOC	0.77	3.36
		HAPs (included in VOC)	0.37	1.64
		H ₂ CO (included in HAPs)	0.18	0.78
		NO _x	5.91	25.88
		CO	1.09	4.79
		PM ₁₀ /PM _{2.5}	0.10	0.44
		SO ₂	0.01	0.03
TK-100	400 bbl produced water tank	VOC	0.21	0.93
		HAPs	0.01	0.05
TK-110	400 bbl produced water tank	VOC	0.21	0.93
		HAPs	0.01	0.05

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LOAD	Produced water loading	VOC	30.76	0.34
		HAPs	1.81	0.02
FUG	Fugitives (5)	VOC	0.32	1.40
		HAPs	<0.01	<0.01
BD	Compressor blowdowns	VOC	0.93	0.08
		HAPs	<0.01	<0.01

Air Contaminant	Total Emission Rates	
	lbs/hr	tons per year
VOC	33.94	10.26
HAPs (included in VOC)	2.50	3.08
H ₂ CO (included in HAPs)	0.22	1.00
NO _x	9.44	41.34
CO	6.45	28.25
PM ₁₀ /PM _{2.5}	0.52	2.26
SO ₂	0.03	0.09

(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_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
- 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
- H₂CO - 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 28, 2011