

# EMISSION SOURCES - CERTIFIED EMISSION RATES

Registration Number 85394

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)
MC1237	1,340 hp Caterpillar G3516 LE engine with oxidative catalyst	VOC	0.60	2.61
		HAPs (included in VOC)	0.15	0.67
		H <sub>2</sub> CO (included in HAPs)	0.15	0.67
		NO <sub>x</sub>	5.91	25.88
		CO	2.36	10.35
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.10	0.44
		SO <sub>2</sub>	0.01	0.03
MC1504	361 hp Ajax DPC 2802 LE engine	VOC	0.80	3.49
		HAPs (included in VOC)	0.24	1.05
		H <sub>2</sub> CO (included in HAPs)	0.24	1.05
		NO <sub>x</sub>	1.59	6.97
		CO	2.39	10.46
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.14	0.60
		SO <sub>2</sub>	<0.01	0.01
MC2308	361 hp Ajax DPC 2802 LE engine	VOC	0.80	3.49
		HAPs (included in VOC)	0.24	1.05
		H <sub>2</sub> CO (included in HAPs)	0.24	1.05
		NO <sub>x</sub>	1.59	6.97
		CO	2.39	10.46
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.14	0.60
		SO <sub>2</sub>	<0.01	0.01
H1A	0.25 MMBtu/hr dehydrator regenerator heater	VOC	<0.01	0.01
		HAPs (included in VOC)	<0.01	<0.01
		NO <sub>x</sub>	0.02	0.08
		CO	0.02	0.07
		PM <sub>10</sub> /PM <sub>2.5</sub>	<0.01	0.01

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		SO <sub>2</sub>	<0.01	<0.01
V1	Dehydrator vent	VOC	0.57	2.50
		HAPs (included in VOC)	0.07	0.32
T1 and T2	Two 300 bbl condensate tanks	VOC	1.29	5.64
		HAPs (included in VOC)	0.02	0.10
L1	Truck loading	VOC	35.11	0.57
		HAPs (included in VOC)	<0.01	<0.01
FUG	Site fugitives (5)	VOC	0.41	1.80
		HAPs (included in VOC)	<0.01	<0.01
FUG1	Compressor blowdowns	VOC	39.00	2.08
		HAPs (included in VOC)	0.29	<0.01

Air Contaminant	Total Emission Rates	
	lbs/hr	tons per year
VOC	78.58	22.19
HAPs (included in VOC)	1.01	4.19
H <sub>2</sub> CO (included in HAPs)	0.63	2.77
NO <sub>x</sub>	9.11	39.90
CO	7.16	31.34
PM <sub>10</sub> /PM <sub>2.5</sub>	0.38	1.65
SO <sub>2</sub>	0.01	0.05

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
  - 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
  - SO<sub>2</sub> - sulfur dioxide
  - 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
  - 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.

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Effective  
Date:

March 9, 2011

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