

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 81228

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
C-301 to C-305	Caterpillar G3616 Compressor Engines (5)	VOC	6.34	
		NO <sub>x</sub>	7.41	
		CO	26.43	
		SO <sub>2</sub>	0.02	
		PM <sub>10</sub>	0.01	
C-306 to C-310	Caterpillar G3616 Compressor Engines with SCR (5)	VOC	0.88	
		NO <sub>x</sub>	0.78	
		CO	5.39	
		SO <sub>2</sub>	0.02	
		PM <sub>10</sub>	0.01	
		NH <sub>3</sub>	0.80	
C-306 to C-310	Caterpillar G3616 Compressor Engines with SCR, Maintenance (5)	VOC	6.34	
		NO <sub>x</sub>	7.41	
		CO	26.43	
		SO <sub>2</sub>	0.02	
		PM <sub>10</sub>	0.01	
C-301 to C-310	Total Annual Emissions for Caterpillar G3616 Compressor Engines	VOC		50.21
		NO <sub>x</sub>		58.20
		CO		222.70
		SO <sub>2</sub>		0.25
		PM <sub>10</sub>		0.05
		NH <sub>3</sub>		6.31
G-1050	507-Hp Emergency Generator Caterpillar G3408	VOC	1.24	0.07
		NO <sub>x</sub>	15.70	0.82
		CO	3.39	0.18
		SO <sub>2</sub>	1.04	0.05
		PM <sub>10</sub>	1.12	0.06

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B-701	Thermal Oxidizer	VOC	0.08	0.14
		NO <sub>x</sub>	1.66	2.91
		CO	14.21	24.91
		SO <sub>2</sub>	0.02	0.04
		PM <sub>10</sub>	0.01	0.03
M-701 and M-702	4.5 MMBtu/hr Dehydration Reboilers	VOC	0.02	0.08
		NO <sub>x</sub>	0.43	1.52
		CO	0.36	1.28
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub>	0.03	0.12
H-501	10 MMBtu/hr Line Heater	VOC	0.05	0.02
		NO <sub>x</sub>	0.96	0.34
		CO	0.81	0.28
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.07	0.02
H-502	10 MMBtu/hr Line Heater	VOC	0.05	0.02
		NO <sub>x</sub>	0.96	0.34
		CO	0.81	0.28
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.07	0.02
T-701	400 bbl TEG Tank	VOC	0.01	0.01
T-800	400 gal Oily Water Tank	VOC	0.01	0.01
T-1600	400 bbl MEOH Tank	VOC	0.05	0.20
T-1810	1600 gal Compressor oil Tank	VOC	0.01	0.01
T-1820	1600 gal Coolant Tank	VOC	0.01	0.01
T-1840	1600 gal Diesel Tank	VOC	0.01	0.01
T-1860	210 bbl Process Liquid Tank	VOC	0.05	0.21
T-1870	1600 gal Lube oil Tank	VOC	0.01	0.01

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T-1900	500 gal Used oil Tank	VOC	0.01	0.01
T-1910	24,900 gal Aqueous Ammonia Tank	NH <sub>3</sub>	0.08	0.01
F-01	Plant Fugitives (4)	VOC	0.23	1.11

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an 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

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

NH<sub>3</sub> - ammonia

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

(5) Emission rates represented are for each engine only and do not represent a total for all engines in the group.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day                      7 Days/week                      52 Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated October 12, 2007