

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9418

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)	<u>Emission Rates*</u>	
			lb/hr	TPY**
GR-2	Glycol Reboiler No. 2	NO _x	0.28	1.23
		CO	0.24	1.03
		PM ₁₀	0.02	0.09
		VOC	0.02	0.07
		SO ₂	0.01	0.01
GR-4	Glycol Reboiler No. 4	NO _x	0.35	1.55
		CO	0.30	1.30
		PM ₁₀	0.03	0.12
		VOC	0.02	0.09
		SO ₂	0.01	0.01
GR-5	Glycol Reboiler No. 5	NO _x	0.28	1.23
		CO	0.24	1.03
		PM ₁₀	0.02	0.09
		VOC	0.02	0.07
		SO ₂	0.01	0.01
GR-6	Glycol Reboiler No. 6	NO _x	0.48	2.09
		CO	0.65	2.87
		PM ₁₀	0.06	0.26
		VOC	0.04	0.19
		SO ₂	0.01	0.02
INC-1	Incinerator No. 1	NO _x	0.20	0.86
		CO	0.17	0.73
		PM ₁₀	0.02	0.07
		VOC	0.11	0.48
		SO ₂	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY**
INC-2	Incinerator No. 2	NO _x	0.48	2.10
		CO	0.40	1.76
		PM ₁₀	0.04	0.16
		VOC	0.16	0.70
		SO ₂	0.01	0.01
INC-3	Incinerator No. 3	NO _x	0.44	1.94
		CO	0.37	1.63
		PM ₁₀	0.03	0.15
		VOC	0.38	1.67
		SO ₂	0.01	0.01
T-1	Tank No. 1	VOC	0.15	0.53
T-2	Tank No. 2	VOC	0.15	0.53
T-3	Tank No. 3	VOC	0.15	0.53
T-4	Tank No. 4	VOC	0.15	0.53
T-5	Tank No. 5	VOC	0.15	0.53
SR-1	Amine Reboiler No. 1	NO _x	2.50	10.95
		CO	2.10	9.20
		PM ₁₀	0.19	0.83
		VOC	0.14	0.60
		SO ₂	0.02	0.07
SR-2	Amine Reboiler No. 2	NO _x	3.38	14.80
		CO	2.84	12.44
		PM ₁₀	0.26	1.13
		VOC	0.19	0.81
		SO ₂	0.02	0.09

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY**
SV-1	Water Vaporizer	NO _x	0.42	1.85
		CO	0.35	1.55
		PM ₁₀	0.03	0.14
		VOC	0.02	0.10
		SO ₂	0.01	0.01
THOX-1	Thermal Oxidizer No. 1	NO _x	0.33	1.45
		CO	0.81	3.53
		PM ₁₀	0.06	0.26
		VOC	0.57	2.49
		SO ₂	0.01	0.02
FLARE-1	Flare	NO _x	2.97	0.51
		CO	5.93	1.03
		VOC	13.23	2.07
		SO ₂	0.01	0.01
CONLOAD	Condensate Truck Loading	VOC	37.02	1.05
UTB	Utility Boiler	NO _x	0.41	1.80
		CO	0.34	1.51
		PM ₁₀	0.03	0.14
		VOC	0.02	0.10
		SO ₂	0.01	0.01
DEGEN	Emergency Diesel Generator (5)	NO _x	5.81	2.55
		CO	7.16	3.14
		PM ₁₀	0.34	0.15
		VOC	0.84	0.37
		SO ₂	0.78	0.34
FUG	Fugitives (4)	VOC	0.21	0.94
		H ₂ S	0.01	0.01

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- (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) NO_x - total oxides of nitrogen
CO - carbon monoxide
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
H₂S - hydrogen sulfide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Annual emissions from DEGEN are based on and limited to an operating schedule of 876 hrs/year.

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

8,760 Hrs/year

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

Dated: May 23, 2011