

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 83559

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**
CE-01	Compressor Engine No. 1 Caterpillar G3616	NO _x	5.22	22.86
		CO	2.01	8.80
		SO ₂	0.02	0.10
		PM	0.32	1.41
		VOC	2.30	10.08
CE-02	Compressor Engine No. 2 Caterpillar G3616	NO _x	5.22	22.86
		CO	2.01	8.80
		SO ₂	0.02	0.10
		PM	0.32	1.41
		VOC	2.30	10.08
CE-03	Compressor Engine No. 3 Caterpillar G3612	NO _x	3.91	17.14
		CO	1.51	6.60
		SO ₂	0.02	0.08
		PM	0.24	1.06
		VOC	1.78	7.80
CE-04	Compressor Engine No. 4 Caterpillar G3612	NO _x	3.91	17.14
		CO	1.51	6.60
		SO ₂	0.02	0.08
		PM	0.24	1.06
		VOC	1.78	7.80
GEN-1	Generator Engine No. 5 Caterpillar G3516	NO _x	4.78	0.25
		CO	4.31	0.23
		SO ₂	0.01	0.01
		PM	0.08	0.01
		VOC	0.96	0.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
REB-01	TEG Reboiler With MEOH injection	NO _x	0.27	
		CO	0.23	
		SO ₂	0.01	
		PM	0.02	
		VOC	1.01	
REB-02	TEG Reboiler With MEOH injection	NO _x	0.27	
		CO	0.23	
		SO ₂	0.01	
		PM	0.02	
		VOC	1.01	
REB-03	TEG Reboiler With MEOH injection	NO _x	0.27	
		CO	0.23	
		SO ₂	0.01	
		PM	0.02	
		VOC	1.01	
REB-04	TEG Reboiler With MEOH injection	NO _x	0.27	
		CO	0.23	
		SO ₂	0.01	
		PM	0.02	
		VOC	1.01	
TEG Reboilers with MEOH injection		NO _x		0.82
Annual Emissions Cap (5)		CO		0.69
EPNs REB-01-REB-04			SO ₂	0.01
		PM		0.06
		VOC		3.02
REB-01	TEG Reboiler Without MEOH injection	NO _x	0.17	
		CO	0.14	
		SO ₂	0.01	
		PM	0.01	
		VOC	0.12	
REB-02	TEG Reboiler	NO _x	0.17	

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			lb/hr	TPY
	Without MEOH injection	CO	0.14	
		SO ₂	0.01	
		PM	0.01	
		VOC	0.12	
REB-03	TEG Reboiler	NO _x	0.17	
	Without MEOH injection	CO	0.14	
		SO ₂	0.01	
		PM	0.01	
		VOC	0.12	
REB-04	TEG Reboiler	NO _x	0.17	
	Without MEOH injection	CO	0.14	
		SO ₂	0.01	
		PM	0.01	
		VOC	0.12	
TEG Reboiler without MEOH injection		NO _x		0.85
Annual Emissions Cap (6)		CO		0.72
EPNs REB-01-REB-04		SO ₂		0.01
		PM		0.06
		VOC		0.61
FLRSTK-01	Plant Flare	NO _x	5.28	10.63
	Flash Emissions	CO	10.54	21.22
	from Dehydration Plants	SO ₂	0.15	0.30
		PM	0.28	0.56
		VOC	1.33	2.68
FLRSTK-01	Plant Flare (MSS-01)	NO _x	25.68	4.61
	Compressor Blowdowns	CO	51.27	9.20
		SO ₂	0.23	0.04
		PM	1.38	0.25
		VOC	4.90	0.88
FLRSTK-01	Plant Flare (MSS-02)	NO _x	283.12	0.83
	Plant Blowdowns	CO	565.21	1.65

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		SO ₂	2.52	0.01
		PM	15.22	0.04
		VOC	54.22	0.16
T-01	Oily Water Storage Tank	VOC	0.01	0.01
T-02	Condensate Storage Tank	VOC	0.02	0.07
T-03	MEOH Storage Tank	VOC	2.90	0.08
T-04	TEG Storage Tank	VOC	0.08	0.01
T-05	Crankcase Oil Storage Tank	VOC	0.05	0.01
T-06	Cylinder Oil Storage Tank	VOC	0.05	0.01
T-07	Waste Oil Storage Tank	VOC	0.05	0.01
T-08	Engine Coolant Storage Tank	VOC	0.11	0.01
LOAD-01	Condensate Loading	VOC	14.01	0.01
LOAD-02	MEOH Loading	VOC	3.21	0.07
FLASH-01	Condensate Flash	VOC	1.66	7.27
FE-01	Plant Fugitives (4)	VOC	1.68	7.37

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- (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) NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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.
- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (5) Annual emissions from EPNs REB-01 through REB-04 with MEOH injection shall not exceed those listed under "TEG Reboilers with MEOH injection."
- (6) Annual emissions from EPNs REB-01 through REB-04 without MEOH injection shall not exceed those listed under "TEG Reboilers without MEOH injection."

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

___ Hrs/day ___ Days/week ___ Weeks/year or 8,760 Hrs/year

Dated October 27, 2008