EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5144A

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**
1	Amine Regenerator Heater	CO	2.81	12.31
		NO_x	3.34	14.65
		PM_{10}	0.25	1.11
		SO_2	0.02	0.09
		VOC	0.18	0.81
3A	Glycol Regenerator Heater No. 1	CO	0.17	0.75
		NO_x	0.20	0.89
		PM_{10}	0.02	0.07
		SO_2	0.01	0.01
		VOC	0.01	0.05
4	Boiler	CO	0.92	4.05
		NO_x	1.10	4.82
		PM_{10}	0.08	0.37
		SO_2	0.01	0.03
		VOC	0.06	0.27
5	Tail Gas Incinerator	CO	1.64	5.81
		H_2S	0.62	0.60
		NO_x	1.96	6.91
		PM_{10}	0.15	0.53
		SO_2	1165.90	1130.00
		VOC	0.06	0.17
6	Flare - Pilot Fuel Only	CO	0.21	0.91
		H_2S	0.01	0.01
		NO_x	0.03	0.11
		SO_2	0.01	0.01
		VOC	0.01	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
7A	Generator No. 1 (5)	CO	22.32	
	Waukesha L7042GU	NO_x	13.26	
	800-Horsepower	PM_{10}	0.12	
		SO_2	0.01	
		VOC	0.18	
7B	Generator No. 2 (5)	CO	22.32	
	Waukesha L7042GU	NO_x	13.26	
	800-Horsepower	PM_{10}	0.12	
		SO_2	0.01	
		VOC	0.18	
7C	Generator No. 3 (5)	CO	22.32	
	Waukesha L7042GU	NO_x	13.26	
	800-Horsepower	PM_{10}	0.12	
		SO_2	0.01	
		VOC	0.18	
	Annual and Hourly	CO	44.64	195.52
	Emission Cap (5)	NO_x	26.52	116.16
		PM_{10}	0.24	1.02
		SO_2	0.02	0.03
		VOC	0.36	1.56
9A	Glycol Regeneration	CO	0.12	0.54
	Heater No. 2	NO_x	0.15	0.64
		PM_{10}	0.01	0.05
		SO_2	0.01	0.01
		VOC	0.01	0.04
31	Waukesha F817G	CO	3.29	14.43
	108-Horsepower	NO_x	1.96	8.57
		PM_{10}	0.02	0.08
		SO_2	0.01	0.01
		VOC	0.03	0.12

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
32	Waukesha F1197G 162-Horsepower	CO	4.58	20.06
		NO_x	2.72	11.92
		PM_{10}	0.03	0.11
		SO_2	0.01	0.01
		VOC	0.04	0.16
33	Ajax DPC-230 230-Horsepower	CO	0.75	3.26
		NO_x	6.12	26.83
		PM_{10}	0.10	0.41
		SO_2	0.01	0.01
		VOC	0.24	1.02
34	Ajax DPC-360 360-Horsepower	CO	1.17	5.12
		NO_x	9.59	41.99
		PM_{10}	0.15	0.64
		SO_2	0.01	0.01
		VOC	0.37	1.59
35	Waukesha L7042G 896-Horsepower	CO	5.93	25.96
		NO_x	3.95	17.30
		PM_{10}	0.13	0.57
		SO_2	0.01	0.02
		VOC	1.98	8.65
36	Caterpillar G3516LEW 1,265-Horsepower	CO	8.37	36.65
		NO_x	5.58	24.43
		PM_{10}	0.10	0.42
		SO_2	0.01	0.02
		VOC	1.12	4.90
V-21	MDEA Tank	VOC	0.01	0.01
V-27	Slop Oil Tank	VOC	0.55	0.21

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
S-PIT	Solution Pit	VOC	0.01	0.01
8	Process Fugitives (4)	H_2S	0.01	0.02
		VOC	0.22	0.95

(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) CO - carbon monoxide
H_2S - hydrogen sulfide
NO_x - total oxides of nitrogen
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) No more than two of the three EPNs shall operate at any one time on an hourly and annual basis.

* 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

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

Date: May 4, 2009