EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 55464

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	Emission Rates TPY*
Emission rate per heater				
B-1A through B-1H and B-1J	Johnstone 98.5 MMBtu/hr Heaters	NO_x	1.48	-
		CO	3.94	-
		VOC 0.39	-	
		PM_{10} 0.10	-	
		SO_2 0.13	-	
		H_2SO_4 0.01	-	
B-1K through B-1M and B-21A through B-21H and B-21J through B-21L	155 MMBtu/hr Heaters	NO_x	1.71	-
		CO	2.79	-
		VOC	0.31	-
		PM_{10}	1.09	-
		SO_2 0.78	-	
		H_2SO_4 0.06	-	
Emission rate cap				
B-1A through B-1H and B-1J	Johnstone 98.5 MMBtu/hr Heaters	NO_x	-	23.65
		CO	-	63.06
		VOC -	6.31	
		PM_{10} -	1.58	
		SO_2 -	2.07	
		H_2SO_4 -	0.16	
B-1K through B-1M and B-21A through B-21H and B-21J through B-21L	155 MMBtu/hr Heaters	NO_x	-	41.25
		CO	-	67.50
		VOC	-	7.50
		PM_{10}	-	11.25
		SO_2 -	18.75	
		H_2SO_4 -	1.44	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY*
EMG (5)	Emergency Generator	NO_x	10.23	0.51
		CO	0.04	
		VOC	0.01	
		PM_{10}	<0.01	
		SO_2	0.02	
		H_2SO_4	<0.01	
FWP (5)	Fire Water Pump	NO_x	12.68	0.63
		CO	0.15	
		VOC	0.01	
		PM_{10}	0.04	
		SO_2	0.01	
		H_2SO_4	<0.01	
FLR (4)	Emergency Flare	NO_x	0.03	0.12
		CO	0.05	
		VOC	0.01	
		PM_{10}	0.01	
		SO_2	<0.01	
FUG	Fugitives	VOC	0.16	0.71
EG-21 (5)	Emergency Generator	NO_x	4.96	0.25
		CO	0.21	0.01
		VOC	<0.01	
		PM_{10}	<0.01	
		SO_2	0.04	
		H_2SO_4	<0.01	
Z-210 (5)	Emergency Air Compressor	NO_x	3.12	0.16
		CO	0.78	0.04
		VOC	0.01	
		PM_{10}	0.01	
		SO_2	0.03	
		H_2SO_4	<0.01	
FUG-PHII	Phase II Fugitives	VOC	0.27	1.18

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AIR CONTAMINANTS DATA

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

(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
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM_{10} - particulate matter 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
H_2SO_4 - sulfuric acid
(4) Flare emissions are based on the pilot gas combustion emissions for 8,760 hours per year (hrs/yr).
(5) Emission rates are based on and the facilities are limited to 100 hrs/yr for EPNs EMG, FWP, EG-21, and Z-210.

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

Dated April 11, 2006