EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 88133

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**
HTR1	HTF Heater No. 1	NO_x	2.27	9.94
	Heat Transfer Fluid Heater	CO	3.41	14.9
	227 MMBtu/hr	VOC	0.48	2.10
	(Based on HHV)	SO_2	3.11	0.83
		PM_{10}	1.14	4.97
HTR2	HTF Heater No. 2	NO_x	2.27	9.94
	Heat Transfer Fluid Heater	CO	3.41	14.9
	227 MMBtu/hr	VOC	0.48	2.10
	(Based on HHV)	SO_2	3.11	0.83
		PM_{10}	1.14	4.97
HTR3	HTF Heater No. 3	NO_x	2.27	9.94
	Heat Transfer Fluid Heater	CO	3.41	14.9
	227 MMBtu/hr	VOC	0.48	2.10
	(Based on HHV)	SO_2	3.11	0.83
		PM_{10}	1.14	4.97
HTR4	HTF Heater No. 4	NO_x	2.27	9.94
	Heat Transfer Fluid Heater	CO	3.41	14.9
	227 MMBtu/hr	VOC	0.48	2.10
	(Based on HHV)	SO_2	3.11	0.83
		PM_{10}	1.14	4.97
Turbine 1	Gas Turbine No. 1	NO_x	15.8	18.9
	LMS100 Turbine	CO	11.5	13.8
	842.6 MMBtu/hr	VOC	2.20	2.63
	(Based on HHV)	SO_2	11.5	13.9
		PM_{10}	5.56	6.87
		NH_3	8.16	9.80
Turbine 2	Gas Turbine No. 2	NO_x	15.8	18.9

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
	LMS100 Turbine	CO	11.5	13.8
	842.6 MMBtu/hr	VOC	2.20	2.63
	(Based on HHV)	SO_2	11.5	13.9
		PM_{10}	5.56	6.87
		NH_3	8.16	9.80
Turbine 1	Gas Turbine No. 1	NO_x	63.1	2.24
	LMS100 Turbine	CO	124.9	4.42
	842.6 MMBtu/hr	VOC	2.20	0.08
	(Start-up and Shutdown)	SO_2	11.5	0.44
		PM_{10}	5.56	0.20
		NH_3	8.16	0.29
Turbine 2	Gas Turbine No. 2	NO_x	63.1	2.24
	LMS100 Turbine	CO	124.9	4.42
	842.6 MMBtu/hr	VOC	2.20	0.08
	(Start-up and Shutdown)	SO_2	11.5	0.44
	(Based on HHV)	PM_{10}	5.56	0.20
		NH_3	8.16	0.29
FIRE1	Diesel Seawater Fire Pump No. 1	NO_x	3.65	0.18
	approximately 600-hp	CO	3.45	0.17
		VOC	0.30	0.01
		SO_2	0.01	0.01
		PM_{10}	0.20	0.01
FIRE2	Diesel Seawater Fire Pump No. 2	NO_x	3.65	0.18
	approximately 600-hp	CO	3.45	0.17
		VOC	0.30	0.01
		SO_2	0.01	0.01
		PM_{10}	0.20	0.01
Gen	Diesel Emergency Generator Engine	NO_x	23.48	1.17
	approximately 1,800-kW (2,400-hp)	CO	13.88	0.69
		VOC	1.90	0.10
		SO_2	0.03	0.01
		PM_{10}	0.79	0.04
TANK1	Diesel Storage Tank (4,700-gal.)	VOC	0.16	0.01
TANK2,	Diesel Storage Tank (500-gal.)	VOC	0.02	0.01

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
TANK3	Diesel Storage Tank (500-gal.)	VOC	0.02	0.01
TANK4	Diesel Storage Tank (35,300-gal.)	VOC	0.71	0.01
FUG (5)	Piping Fugitives	VOC	2.26	9.89
NH_3FUG (5)	Ammonia Fugitives	NH_3	0.15	0.66

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - particulate matter equal to or less than 10 microns in diameter.
CO - carbon monoxide
NH_3 - ammonia
(4) Emission rates are based on 100 hours per year (hrs/yr) each for EPNs FIRE1, FIRE2, and GEN for maintenance and testing. Unlimited additional use during emergency periods is allowed (per 40 CFR 60.4211(e)).
(5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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

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

Dated September 21, 2009