Emission Sources - Maximum Allowable Emission Rates

Permit Number 302

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
Case I - Firing Natural Gas				
HA-S4	Boiler No. 4 (7)	NO_x	1,093	---
		NO_x (5)	101	---
		CO	1,312	1,764
		SO_2	81	109
		PM	109	146
		VOC	8	11
		NH_3 (5)	26	114
HA-S5	Boiler No. 5 (7)	NO_x	1,093	---
		NO_x (5)	101	---
		CO	1,312	1,764
		SO_2	81	109
		PM	109	146
		VOC	8	11
		NH_3 (5)	26	114
Case II - Firing No. 2 Fuel Oil				
HA-S4	Boiler No. 4 (7)	NO_x	1,679	---
		NO_x (5)	380	---
		CO	1,399	504
		SO_2	2,780	1,001
		PM	560	---

Emission Sources - Maximum Allowable Emission Rates

		PM (5)	590	224
		VOC	8	3
		NH_3 (5)	26	114
HA-S5	Boiler No. 5 (7)	NO_x	1,679	---
		NO_x (5)	380	---
		CO	1,399	504
		SO_2	2,780	1,001
		PM	560	---
		PM (5)	590	224
		VOC	8	3
		NH_3 (5)	26	114
Case I And Case II (6)				
HA-S4	Boiler No. 4 (7)	NO_x	---	73
HA-S5	Boiler No. 5 (7)	NO_x	---	73
MSSFUG-ILE	MSS Activities (Inherently Low-Emitting) (8)	NO_x	< 0.01	< 0.01
		CO	0.02	< 0.01
		SO_2	< 0.01	< 0.01
		PM	0.90	0.05
		PM_{10}	0.90	0.05
		$PM_{2.5}$	0.90	0.05
		VOC	1.09	0.19
		H_2S	< 0.01	< 0.01
		NH_3	< 0.01	< 0.01

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

Emission Sources - Maximum Allowable Emission Rates

NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2S - hydrogen sulfide
NH_3 - ammonia

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. Emission rates for Emission Point Nos. HA-S4 and HA-S5 are based on 2,688 hours per year (hrs/yr) at full load for natural gas firing and 720 hrs/yr at full load for fuel oil firing. These hours are not a maximum operating schedule; continuous operation at reduced load is authorized provided the annual emission limits are not exceeded. **(11/11)**

(5) Emission limits during SCR operation. These emission rates are for representational purposes only. The emission rates of NO_x, PM, and NH_3 reflect emission rates authorized under Standard Permit Number 53846. If this standard permit becomes void, the enforceable emission rate covered under this permit is 202 tons per year PM for each boiler. **(8/04)**

(6) Total annual NO_x emission limits regardless of fuel fired. **(11/04)**

(7) The lbs/hour and tpy emission limits specified in the table above for this facility includes emissions from the facility during both normal operation and MSS activities. The NO_x lbs/hour emission limits without SCR operation apply to emissions generated during MSS activities. For each pollutant whose emissions during MSS activities are measured using a CEMS, during any clock hour that includes one or more minutes of MSS activities, the pollutant's hourly emission limits that apply during planned MSS activities shall apply during that clock hour. **(11/11)**

(8) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations. **(11/11)**

Date: _____