EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 87549

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**
HP-1	Reformer Flue Gas Stack	CO	2.59	10.29
		NH_3	1.61	6.38
		NO_x	2.17	8.63
		PM_{10}	2.91	11.56
		SO_2	0.05	0.22
		VOC	4.40	17.46
HP-1	Reformer Flue Gas Stack MSS	NO_x	13.10	2.36
HP-2	Deaerator	CO	0.67	
		NH_3	0.05	
		Methanol	0.16	
HP-5	Steam Vent MSS	CO	0.67	
		NH_3	0.05	
		Methanol	0.16	
HP-2 and HP-5	Deaerator and Steam Vent	CO		2.92
		NH_3		0.22
		Methanol		0.71
HP-3	Hydrodesulfurization Reactor MSS	PM_{10}	0.04	0.01
HP-4	Cooling Tower	PM_{10}	0.14	0.61
HP-FUG	Process Fugitives	NH_3	0.05	0.23
		VOC	0.03	0.11

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

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(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) CO   -   carbon monoxide
   NH_3 -   ammonia
   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

  * 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.

Dated December 1, 2009