EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2151

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
633-HR	Fractionator Reboiler F-63-F-2	NO_x	2.94	11.73
		CO	2.20	6.15
		SO_2 (4)	1.23	2.46
		PM_{10}	0.67	2.68
		VOC	0.14	0.54
633-PFR	Reactor Feed Heater F-63-F-1	NO_x	3.12	12.43
		CO	2.34	6.52
		SO_2 (4)	1.31	2.61
		PM_{10} (5)	2.50	11.00
		VOC	0.14	0.58
633-FUG	Fugitives (6)	VOC	1.01	4.41
		H_2S	0.01	0.03
		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) 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 particulate matter greater than 10 microns is emitted.

   VOC -   volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

   NO_x - total oxides of nitrogen
   SO_2 - sulfur dioxide
   CO   - carbon monoxide
   H_2S - hydrogen sulfide
   NH_3 - anhydrous ammonia

(4)   Based on a three-hour rolling average.

(5)   Based on unstable emission rates during the stack tests conducted on November 4, 1996 at the beginning of the catalyst cycle.

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(6)   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/year _8,760_

Dated_____