EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23555

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)	Name (3)	Air Contaminant	Emission Rates * lb/hr	TPY
537-HC-1	Crude Heater No. 1		PM10	0.56	2.47
			VOC	0.32	1.39
			CO	10.14	31.08
			NOx	13.52	59.24
			SO2	5.68(a)	12.44
537-HC-2	Crude Heater No. 2		PM10	0.56	2.47
			VOC	0.32	1.39
			CO	10.14	31.08
			NOx	13.52	59.24
			SO2	5.68(a)	12.44
537-HV-1	Vacuum Heater No. 1		PM10	0.31	1.35
			VOC	0.17	0.76
			CO	5.55	17.01
			NOx	7.40	32.43
			SO2	3.11(a)	6.81
537-HV-2	Vacuum Heater No. 2		PM10	0.31	1.35
			VOC	0.17	0.76
			CO	5.55	17.01
			NOx	7.40	32.43
			SO2	3.11(a)	6.81
FCT-537O	Cooling Tower		VOC	0.95	4.14
FCT-537N	Cooling Tower		VOC	0.38	1.66
537-FUG	Fugitives (4)		VOC	1.06	4.66
			H2S	<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.

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(3)   PM   - particulate matter
        PM10 - particulate matter less than 10 microns in diameter
        VOC - volatile organic compounds as defined in General Rule 101.1
        NOx - total oxides of nitrogen
        SO2 - sulfur dioxide
        CO   - carbon monoxide

(4)   Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

*   Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

Dated _____