EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 83814

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)	<u>Emissio</u> lb/hr	n Rates * TPY**
B-D-0-MSS	HB-2 FLARE	VOC PM ₁₀ HCl (5) Ethyl Chloride Hexane Toluene Methyl Chloride	48.44 0.04 278.55 27.99 0.14 0.18 0.12	1.55 0.03 0.31 0.07 0.02 0.01
G-D-1-MSS	MP-1 Wet Flare	VOC HCI (5) H ₂ SO ₄ Methyl Chloride Hexane Toluene	73.91 278.55 0.01 73.91 2.75 0.50	7.88 0.56 0.01 0.20 0.25 0.04
G-0-0-MSS	MP-1 Dry Flare	VOC PM ₁₀ HCI	0.03 0.01 0.01	0.01 0.01 0.01
C-F-7-MSS	H455 D HOPPER	PM ₁₀	0.19	0.01
C-GZ-O-MSS	AREA C FUGITIVE MSS	VOC PM ₁₀ HCI H ₂ SO ₄ Chlorine Methyl Chloride Ethyl Chloride Hexane Toluene	11.45 9.19 11.73 0.01 0.01 0.01 0.01 0.65 0.14	0.95 0.70 0.59 0.01 0.01 0.01 0.01 0.08 0.01

Project Number: 135693

- (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) Exempt Solvent Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

 $\mbox{PM}_{\mbox{\scriptsize 10}}$ - particulate matter equal to or less than 10 microns in diameter

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

HCl - hydrogen chloride

- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) B-D-0 and G-D-1 will not emit HCl from MSS concurrently.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

<u>24</u> Hrs/day <u>7</u> Days/week <u>52</u> Weeks/year or <u>8760</u> Hrs/year

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

Project Number: 135693