EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 32835

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
FV87820115	Central Thermal Oxidizer	VOC	0.56	2.45
		Acetone	0.013	0.06
		CO	3.26	14.28
		NO_x	4.02	17.61
		HCl	1.06	4.64
		NH_3	0.20	0.88
		SO_2	0.02	0.02
FUG-878	Fugitive Emissions (4)	VOC	0.27	1.18
FF87826211	Enclosed CTO Backup Flare (5)	UPSET/MAINTENANCE USE ONLY		
FV87826152	Non-Selective Catalytic Reduction Unit (6)	UPSET/MAINTENANCE USE ONLY		

(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 General Rule 101.1

NO_x - total oxides of nitrogen

SO_2 - sulfur dioxide

CO - carbon monoxide

HCl - hydrogen chloride

NH_3 - ammonia

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Dedicated backup control for SAC Process Off-Gas and DNT Process Off-Gas streams when the Central Thermal Oxidizer (CTO) is off-line or unable to accept waste gas.

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(6) Dedicated backup control for MNB Process Off-Gas, Aniline Process Off-Gas, Aniline Purge Gas, MR-III Process Vent Gas, and TDZ Off-Gas/Hot Oil System Off-Gas streams when the CTO is off-line or unable to accept waste gas.

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

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760 Hrs/year

Dated ____