

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4138A

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
F2HF21	F-2 Incinerator	CO	0.91	3.99
		NO <sub>x</sub>	1.09	4.77
		PM <sub>10</sub>	0.18	0.79
		SO <sub>2</sub>	0.09	0.41
		VOC	0.48	2.12
F2FF295	Regenerator Vent	C <sub>2</sub> H <sub>4</sub>	3.00	13.14
		C <sub>2</sub> H <sub>4</sub> O	0.03	0.13
UEUL22	Cooling Tower (4)	VOC (5)	0.76	3.31
F2FUG	Process Fugitives (4)	VOC	3.26	14.28
F2WWFUG	Wastewater Fugitives (4)	VOC	2.32	10.16

(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

CO - carbon monoxide

C<sub>2</sub>H<sub>4</sub> - ethylene

C<sub>2</sub>H<sub>4</sub>O - ethylene oxide

NO<sub>x</sub> - total oxides of nitrogen

PM<sub>10</sub> - 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.

SO<sub>2</sub> - sulfur dioxide

MEG - monoethyleneglycol

TEA - triethanolamine

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			<u>lb/hr</u>	<u>TPY</u>

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

(5) The VOCs for the cooling tower include C<sub>2</sub>H<sub>4</sub>, C<sub>2</sub>H<sub>4</sub>O, MEG, and TEA.

\* 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 \_\_\_\_\_