

## 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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
F2HF21	F-2 Incinerator			CO	0.91	3.99
				NOx	1.09	4.77
				PM10	0.18	0.79
				SO2	0.09	0.41
				VOC	0.48	2.12
F2FF295	Regenerator Vent			C2H4	3.00	13.14
				C2H4O	0.03	0.13
UEUL22	Cooling Tower (4)			VOC (5)	0.76	3.31
F2FUG1	Process Fugitives (4)			VOC	3.22	14.11
F2FUG2	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) CO - carbon monoxide

C2H4 - ethylene

C2H4Cl - ethyl chloride

C2H4O - ethylene oxide

MEG - monoethyleneglycol

NOx - total oxides of nitrogen

PM10 - particulate matter less than 10 microns

SO2 - sulfur dioxide

TEA - triethanolamine

VOC - volatile organic compounds as defined in General Rule 101.1

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

(5) VOCs for the cooling tower include: C2H4, C2H4O, MEG, and TEA

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Hrs/day\_\_\_\_Days/week\_\_\_\_Weeks/year\_\_\_\_or Hrs/year 8,760

Dated \_\_\_\_\_