

## 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)	<u>Emission Rates *</u>	
			lb/hr	TPY
F2HF21	F-2 Incinerator	CO	1.67	7.32
		NOx	1.31	5.75
		PM10	0.91	3.97
		SO2	<0.01	0.02
		VOC	0.32	1.42
F2FF295	Regenerator Vent	C2H4	3	13.14
		C2H4O	0.12	0.53
UEUL22	Cooling Tower (4)	C2H4	0.39	1.73
		C2H5Cl	0.19	0.83
		C2H4O	0.06	0.28
		MEG	0.07	0.32
		TEA	0.03	0.15
F2FUG	Process Fugitives (4)	C2H4O	0.23	0.98
		VOC	2.24	9.81
F2FUGWW	Wastewater Fugitives (4)	VOC	5.14	22.51

- (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.

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- \* 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