

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23058

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
E-YN-1,2,3 10,11, 12,13, 14	Scrubber Stacks (4) (ULSI and MOS 13)	Acids/Bases	7.53	32.96
		VOC	2.14	9.34
		Specialty Gases	2.89	12.63 (5)
		Elemental Gases	1.68	7.36 (6)
		Halocarbons	1.90	8.31
		PM	9.38	41.06
E-YP-1	Silane Gas Purge Panel	PM	<0.01	<0.01
E-YN-5	Oxidizer Stack (Rotor Concentrator)	VOC	16.23	71.04
		POC	7.66	27.80
E-CP2R-1,2, 3,4	Boiler Stacks (Utility Building)	POC	16.54	25.52 (7)

- (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) PM - particulate matter  
VOC - volatile organic compounds as defined in General Rule 101.1  
POC - products of combustion including VOC, nitrous oxide (NO<sub>x</sub>), sulfur dioxide, carbon monoxide, and PM.
- (4) These emission rates are the sum of all eight scrubber exhausts.
- (5) Specialty Gases include Hydrides and Inorganic Halides.
- (6) Elemental Gases include chlorine, ozone, and NO<sub>x</sub>.
- (7) Emission rates are per boiler. Hourly rates are worst case emissions from firing either natural gas or emergency backup fuel oil. Annual emission rates are based on using No. 2 fuel oil in each boiler for no more than four weeks per year.

\* 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

\*\* These allowable emission rates represent the potential increases allowed under Special

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Condition No. 4. If Special Condition No. 4 is not used, then the allowable emission rates are those listed in the revised permit application dated December 9, 1994.

Dated \_\_\_\_\_