

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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)	<u>Emission Rates</u>	
			lb/hr	TPY
E-UN-1-3, 10-14	Scrubber Stacks	Acids/Bases	4.19	18.44
		VOC	1.74	7.60
		Specialty Gases	0.72	3.15 (4)
		Elemental Gases	1.12	4.90 (5)
		Halocarbons	0.74	3.32
		PM	7.50	32.85
E-UN-5,9	Oxidizer Stack (Rotor Concentrator)	VOC	13.89	60.83 (6)
		POC	1.45	3.19
E-UN-5,9	Oxidizer Stack (Regenerative)	VOC	4.18	18.32
		POC	5.85	8.56
E-PUBR-1,2,3,4	Boiler Stacks (Utility Bldg)	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  
NOx - total oxides of nitrogen  
SO2 - sulfur dioxide  
CO - carbon monoxide  
POC - products of combustion including VOC, NOx, SO2, CO, and PM.
- (4) Specialty Gases include Hydrides and Inorganic Halides.
- (5) Elemental Gases include Chlorine, Ozone, and Nitrous Oxide.
- (6) Emission rates for Emission Point E-UN-5,9 depend on selection of either a rotary concentrator or a regenerative oxidizer and are not additive.
- (7) Emission rates are per boiler. Hourly rates are worst case

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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