

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 25956

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit.

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
EPN-1  0.80	Solvent Exhaust Vent (4) (One Rotor Concentrator/  Thermal Oxidizer)	VOC	45.93	20.62
		non-VOC		1.89
		CO	2.80	12.26
		NO <sub>x</sub>	1.65	7.23
		SO <sub>2</sub>	0.05	0.22
		PM	0.25	1.10
EPN-2  3.01  14.05	Acid Exhaust Vents (5) (Three In-Line Water Scrubbers and  One Backup Water Scrubber)	Acids	0.82	3.61
		Bases	0.56	2.44
		Inorganic Fluorides		0.69
		Halocarbons		3.21
		VOC	0.04	0.18
EPN-3  0.76	Caustic Exhaust Vents (6)  (One In-Line Water Scrubber And One Backup Water Scrubber)	Acids		0.18
		Bases	0.21	0.90
		VOC	0.13	0.57
EPN-4, 8	Boiler Vents (7) (Uncontrolled)	NO <sub>x</sub>	15.48	26.84
		CO	6.14	15.24
		SO <sub>2</sub>	45.28	16.92
		VOC	2.64	6.66
		non-VOC	1.40	6.14
		PM	2.20	4.34
EPN-101, 102 82.90	Emergency Generators (8) (Uncontrolled)	NO <sub>x</sub>		
		CO	17.90	1.80

SO <sub>2</sub>	5.52	0.56
VOC	6.74	0.68
PM	5.90	0.60

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
EPN-103	Fire Pump (9) (Uncontrolled)	NO <sub>x</sub>	10.19	0.25
		CO	2.20	0.06
		SO <sub>2</sub>	0.68	0.02
		VOC	0.83	0.02
		PM	0.73	0.02

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) VOC - volatile organic compounds as defined in General Rule 101.1  
 non-VOC - non-volatile organic compounds  
 NO<sub>x</sub> - nitrogen oxides  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 PM - particulate matter
- (4) The hourly emission rates reflect uncontrolled emissions while the rotor concentrator/oxidizer system is off-line. The annual emission rates reflect 168 hours per year of uncontrolled emissions and 8,592 hours per year of controlled emissions.
- (5) These emission rates are a sum of these three scrubbers. The emission rate for inorganic fluorides does not include hydrofluoric acid. The emission rate for acids includes hydrofluoric acid.
- (6) These emission rates are a sum of the two boilers.  
 The hourly emissions are based on usage of No. 2 fuel oil.  
 The annual emissions are based on 8,030 hours of natural gas usage and 730 hours of No. 2 fuel oil usage.
- (7) These emission rates are a sum of the two generators.  
 The hourly and annual emissions are based on No. 2 fuel oil usage (200 hours annual usage).
- (8) The hourly and annual emissions are based on No. 2 fuel oil usage (50 hours annual usage).

\* These allowable emission rates do not represent the potential increases allowed under Special Condition No. 4.

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Dated \_\_\_\_\_