

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 22273

This table lists the maximum allowable emission rates for all sources of air contaminants covered by this permit.

AIR CONTAMINANTS DATA

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

PROCESS EMISSIONS

VOC	4VE-1; 4SE-1 through 4SE-6; RCTO; Scrubbers; 42.1			10.31
	4SEA-1 and 2; 4GE-1 through General Exhausts; 4GE-4; 4-T12	Fuel Oil Tank		
EVOC	4VE-1; 4SE-1 through 4SE-6; RCTO; Scrubbers; 35.0			7.99
	4SEA-1 and 2; 4GE-1 through General Exhausts 4GE-4			
Acids	4SE-1 through 4SE-6	Scrubbers	2.50	11.0
Bases	4SE-1 through 4SE-6; 4SEA-1 and 2	Scrubbers	11.15	49.0
PM	4SE-1 through 4SE-6; 4SEA-1 and 2	Scrubbers	1.6	7.0
HAPs* Scrubbers;	4VE-1; 4SE-1 through 4SE-6; <10 tpy individual		RCTO;	
Exhausts;	4SEA-1 and 2; 4GE-1 through <25 tpy aggregate 4GE-4; 4-T12			General
		Fuel Oil Tank		

COMBUSTION EMISSIONS

Nonmethane VOC	4VE-1; 4SE-1 through 4SE-6; RCTO; Scrubbers (4) 0.2			0.03
NO _x	4SEA-1 and 2		0.50	2.2

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CO	0.11	0.5
SO ₂	<0.01	<0.1
PM	0.06	0.3

- (1) VOC - volatile organic compounds as defined in General Rule 101.1
EVOC - exempted VOC as defined in General Rule 101.1
PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
HAP - hazardous air pollutants as listed in Title 40 Code of Federal Regulations Part 63, Subpart C.
- (2) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (3) Specific point source name. For fugitive sources use area name or fugitive source name.
RCTO - rotary concentrator thermal oxidizer
- (4) Combustion sources include de minimis amounts of emissions from scrubbers.

* Any hazardous air pollutant (HAP) emission will not exceed 10 tpy per contaminant or 25 tpy aggregate for the entire site. Emissions of HAPs will also be limited by the air contaminant category emission rates listed in the above table.

** Pound per hour emission rates reflect normal operating conditions. Process emission may exceed these pound per hour limitations during periods of maintenance/upset. Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or _____

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8,760 Hrs/year

Dated_____