

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6995

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	Emission Rates	
Name (1)	Point No. (2)	Name (3)	lb/hr	TPY

Building 1PROCESS EMISSIONS

VOC	1VE-1; 1SE-1 through 1SE-5 19.5	RCTO; Scrubbers	4.45	
EVOC	1VE-1; 1SE-1 through 1SE-5 14.0	RCTO; Scrubbers	3.20	
Acids	1SE-1 through 1SE-5	Scrubbers	0.26	1.2
Bases	1SE-1 through 1SE-5	Scrubbers	1.32	5.8
PM	1SE-1 through 1SE-5	Scrubbers	1.0	4.4
HAPs*	1VE-1; 1SE-1 through 1SE-5 <10 tpy individual	RCTO; Scrubbers		
aggregate			<25	tpy

COMBUSTION EMISSIONS

Nonmethane VOC	1VE-1; 1BL-1 and 1BL-2; 1EG-1	RCTO; Boilers;	1.68	
NO _x	through 1EG-4; 1SE-1 through	Emergency Generators		
CO	1SE-5	(4); Scrubbers (5)	4.87	
SO ₂			1.31	1.6
PM			1.67	1.7

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AIR CONTAMINANTS DATA

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

Building 2PROCESS EMISSIONS

VOC	2VE-1; 2SE-1 through 2SE-9 34.0	RCTO; Scrubbers	7.76	
EVOC	2VE-1; 2SE-1 through 2SE-9 16.0	RCTO; Scrubbers	3.65	
Acids	2SE-1 through 2SE-9	Scrubbers	1.19	5.3
Bases	2SE-1 through 2SE-9	Scrubbers	6.04	26.5
PM	2SE-1 through 2SE-9	Scrubbers	1.6	7.0
HAPs*	2VE-1; 2SE-1 through 2SE-9 <10 tpy individual	RCTO; Scrubbers		
aggregate			<25	tpy

COMBUSTION EMISSIONS

Nonmethane VOC	2VE-1; 2BL-1 and 2BL-2; 2EG-1 0.8	RCTO; Boilers;	1.20	
NO _x	through 2EG-3; 2SE-1 through 24.39	Emergency Generators	20.6	

CO	2SE-9; FP-1 and FP-2	(4); Scrubbers (5); Fire	5.89
	5.0		
SO ₂		Pumps (4)	2.44 3.8
PM			1.42 1.9

- (1) VOC - volatile organic compounds as defined in General Rule 101.1
- EVOC - exempted VOC as defined in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 - CO - carbon monoxide
 - HAP - hazardous air pollutants as listed in title 40 Code of Federal Regulations Part 63.
- (2) Emission point identification - either specific equipment designation or emission point number from plot plan.

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- (3) Specific point source name. For fugitive sources use area name or fugitive source name.
RCTO - rotary concentrator thermal oxidizer
- (4) Hourly emission rates for emergency generators and fire pumps reflect the combined total maximum hourly rate for all units. Annual rates are the combined total for all units assuming a maximum of 520 hours per year.
- (5) Combustion sources include de minimis amounts of emissions from scrubbers.

* Any hazardous air pollutant (HAP) emission will not exceed 10 tons per year (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 8,760
Hrs/year

Dated_____