

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

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

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6995

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

## AIR CONTAMINANTS DATA

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

PROCESS EMISSIONS

VOC	1SE-1 through 1SE-5; 2VE-1; 2SE-1 through 2SE-9; 4VE-1; 4SE-1 through 4SE-6; 4SEA-1 and 2; 4GE-1 through 4GE-4; 4T-10; 4T-11; RSE-1 and 2	RCTO; Scrubbers and General Exhausts	20.64	87.70
EVOC	1SE-1 through 1SE-5; 2VE-1; 2SE-1 through 2SE-9; 4VE-1; 4SE-1 through 4SE-6; 4SEA-1 and 2; 4GE-1 through 4GE-4; RSE-1 and 2	RCTO; Scrubbers and General Exhausts	13.77	60.30
Acids	1SE-1 through 1SE-5; 2SE-1 through 2SE-9; 4SE-1 through 4SE-6; RSE-1 and 2	Scrubbers	3.95	17.50
Bases	1SE-1 through 1SE-5; 2SE-1 through 2SE-9;	Scrubbers	18.51	81.30

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Air Contaminant Name (1)	Emission Point No. (2)	Source Name (3)	Emission Rates **	
			lb/hr	TPY
	4SE-1 through 4SE-6; 4SEA-1 and 2; RSE-1 and 2			
PM	1SE-1 through 1SE-5; 2SE-1 through 2SE-9; 4SE-1 through 4SE-6; 4SEA-1 and 2; RSE-1 and 2	Scrubbers	4.20	18.40
HAPs	1SE-1 through 1SE-5; individual	RCTO; Scrubbers and	<10 tpy	
	2VE-1; 2SE-1 through 2SE-9; aggregate	General Exhausts	<25 tpy	
	4VE-1; 4SE-1 through 4SE-6; 4SEA-1 and 2; 4GE-1 through 4GE-4; RSE-1 and 2			

## COMBUSTION EMISSIONS (5)

NonMethane VOC	1EG through 1EG-4; 2VE-1;	RCTO; Boilers;	4.02	2.50
NO <sub>x</sub>	2BL-1 and 2; 2EG-1 through	Emergency Generators	94.60	56.48
CO	2EG-3; FP-1 and 2; 4VE-1;	and Fire Pumps (4)	30.67	40.90
SO <sub>2</sub>	4BL-1 through 4BL-3; 4EG-1		30.38	9.75
PM	and 2; 4BL1 and 2; 4EG-1 and 2			5.25
		6.40		

(1) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1

EVOC - exempted VOC as defined in 30 TAC § 101.1

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter.

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

HAP<sub>s</sub> - hazardous air pollutants as listed in Title 40 Code of Federal Regulations Part 63, Subpart C.

RCTO - rotary concentrator thermal oxidizer(s)

- (2) Emission point identification either specific equipment designation or emission point number from plot plan.
- (3) Specific point source name.
- (4) Combustion sources include de minimis amounts of emissions from scrubbers.
- (5) 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.

\*\* Pound per hour emission rates reflect normal operating conditions. Process emission may exceed these pound per hour limitations during periods of maintenance/upset.

Dated March 18, 2005