

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	Emission	Source	Emission Rates **	
Name (1)	Point No. (2)	Name (3)	lb/hr	TPY
<u>PROCESS EMISSIONS</u>				
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; 4SE-1 through 4SE-6; 4SEA-1 and 2; RSE-1 and 2	Scrubbers	18.51	81.30
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

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
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
NOx	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
SO2	4BL-1 and 2; 4EG-1 and 2;		30.38	9.75
PM	4BL1and 2; 4EG-1 and 2		5.25	6.40

- (1) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)
 EVOC - exempted VOC as defined in 30 TAC § 101.1
 PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter.
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 HAP_s - 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.

Permit Number 6995
Page 3

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

Dated _____