

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19107

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

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	
	TPY (4)			
AES-1 thru 8	Acid Scrubber Exhaust Stacks	VOC	3.48	4.67
		PM	<0.01	0.01
		OTHER (3)	5.84	7.83
SES-1 thru 3	Solvent Exhaust Stacks	VOC	10.01	13.43
BES-1 thru 4	Boilers	VOC (5)	0.23	0.35
		PM (5)	0.06	0.92
		NO <sub>x</sub> (5)	5.98	9.18
		CO (5)	3.53	5.41
		SO <sub>2</sub> (5)	10.76	16.52
SGS-1 thru 3 and FWP	Standby Engines and Firewater Pump	VOC (5)	9.42	0.74
		PM (5)	7.08	0.52
		NO <sub>x</sub> (5)	77.92	6.11
		CO (5)	24.47	1.68
		SO <sub>2</sub> (5)	6.59	0.52
T-17-27	Sodium Hydroxide Storage Tank	NaOH	0.10	<0.01
T-17-28	Hydrochloric Acid Storage Tank with Scrubber	HCl	<0.01	<0.01
T-21-4	Sodium Hydroxide Storage Tank	NaOH	0.74	<0.01
T-21-5	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
T-21-7	Acid Wastewater Storage Tank	Inorganic Acid	<0.01	<0.01
T-21-11	Hydrofluoric Acid	Hydrogen Fluoride	<0.01	<0.01

# Wastewater Tank

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Emission Point No. (1)	Source Name (2) TPY (4)	Air Contaminant Name (3)	Emission Rates	
				lb/hr
T-21-12	Hydrofluoric Acid Wastewater Tank	Hydrogen Fluoride	<0.01	<0.01
T-21-13	Hydrofluoric Acid Wastewater Tank	Hydrogen Fluoride	<0.01	<0.01
T-21-2-1	Diesel Storage Tank	VOC	0.10	<0.01
T-21-2-2	Diesel Storage Tank	VOC	0.10	<0.01
T-21-2-3	Diesel Storage Tank	VOC	0.10	<0.01
All (6)	Various	Single HAP	<10.00	
			Multiple HAP <25.00	

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter 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.  
  
 CO - carbon monoxide  
 NaOH - sodium hydroxide  
 HCl - hydrogen chloride  
 H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
 OTHER - acids, bases, reactive specialty gases and their reaction products
- (4) Rate as for a rolling 12-consecutive months.
- (5) Combustion only.
- (6) All EPNs that have the potential to emit HAPs.

Dated April 23, 2004