

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18379

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
1	Steam Boiler 25,000 lb/hr (Natural Gas Firing)	NO <sub>x</sub>	3.6	
		CO	0.6	
		VOC	0.08	
		SO <sub>2</sub>	0.02	
		PM	0.15	
2	Steam Boiler 25,000 lb/hr (Natural Gas Firing)	NO <sub>x</sub>	3.6	
		CO	0.6	
		VOC	0.08	
		SO <sub>2</sub>	0.02	
		PM	0.15	
3	Steam Boiler 50,000 lb/hr (Natural Gas Firing)	NO <sub>x</sub>	7.3	
		CO	1.2	
		VOC	0.16	
		SO <sub>2</sub>	0.04	
		PM	0.30	
4	Steam Boiler 50,000 lb/hr (Natural Gas Firing)	NO <sub>x</sub>	7.3	
		CO	1.2	
		VOC	0.16	
		SO <sub>2</sub>	0.04	
		PM	0.30	
1 through 4	Steam Boilers (Natural Gas Firing)	NO <sub>x</sub>		45.09
		CO		7.65
		VOC		1.07
		SO <sub>2</sub>		0.24
		PM		1.85

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
1	Steam Boiler 25,000 lb/hr (No. 2 Fuel Oil Firing)	NO <sub>x</sub>	4.6	
		CO	1.1	
		VOC	0.05	
		SO <sub>2</sub>	6.0	
		PM	0.5	
2	Steam Boiler 25,000 lb/hr (No. 2 Fuel Oil Firing)	NO <sub>x</sub>	4.6	
		CO	1.1	
		VOC	0.05	
		SO <sub>2</sub>	6.0	
		PM	0.5	
3	Steam Boiler 50,000 lb/hr (No. 2 Fuel Oil Firing)	NO <sub>x</sub>	9.2	
		CO	2.2	
		VOC	0.10	
		SO <sub>2</sub>	12.0	
		PM	0.9	
4	Steam Boiler 50,000 lb/hr (No. 2 Fuel Oil Firing)	NO <sub>x</sub>	9.2	
		CO	2.2	
		VOC	0.10	
		SO <sub>2</sub>	12.0	
		PM	0.9	
1 through 4	Steam Boilers (No. 2 Fuel Oil Firing)	NO <sub>x</sub>		8.01
		CO		2.01
		VOC		0.11
		SO <sub>2</sub>		2.84
		PM		0.80
16-13 (5)	Boiler House Diesel Backup Tank	VOC	0.61	0.21
1613-FUG-1	Boiler System Chemicals	VOC	<0.01	<0.01

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Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
6804532	Standby Diesel Generator	NO <sub>x</sub>	36.00	
		CO 6.41		
		VOC 1.11		
		Aldehyde	0.08	
		SO <sub>2</sub> 2.21		
		PM 0.45		
6804533	Standby Diesel Generator	NO <sub>x</sub>	36.00	
		CO 6.41		
		VOC 1.11		
		Aldehyde	0.08	
		SO <sub>2</sub> 2.21		
		PM 0.45		
6804534	Standby Diesel Generator	NO <sub>x</sub>	36.00	
		CO 6.41		
		VOC 1.11		
		Aldehyde	0.08	
		SO <sub>2</sub> 2.21		
		PM 0.45		
6804532	Standby Diesel Generator	NO <sub>x</sub>		8.10
6804533	(Combined)	CO		1.45
6804534		VOC		0.23
		Aldehyde		0.02
		SO <sub>2</sub>	0.50	
		PM	0.11	

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
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.

- \* Emission rates are based on and each individual emission point is limited separately by the following maximum operating schedule:

For Emission Points 1 through 4 for natural gas firing:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year  
But not to exceed the additional limitations of Special Condition No. 3.

For Emission Points 1 through 4 for No. 2 fuel oil firing:

24 Hrs/day 7 Days/week 4 Weeks/year or 672 Hrs/year

For Emission Points 6804532, 6804533, and 6804534 combined:

     Hrs/day      Days/week      Weeks/year or 450 Hrs/year

Dated October 23, 2003