

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

### AIR CONTAMINANTS DATA

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

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Permit Number 17684

This table lists the maximum allowable emission rates allowed for all sources at this site.

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Emission Point No.	Source Name	Air Contaminant Name(1)	Emission Rates	
			lb/hr	TPY
(2)				
1, 2, 3, 4, 5, 7, 8, 9, 18, and 19	Fabrication Lines vented through Scrubbers 1900, 1960, 1970, 1930, 1940, and 1950 (3)	VOC	0.39	1.73
		Reactant	1.13	4.93
		Exempt Solvents	0.02	0.10
		Inert Gas	1.34	5.85
		Other 0.13	0.56	

### Uncontrolled Emission Rates During Non-Ozone Season (6)

6 and 20	Solvent and General Exhaust (3)	VOC (5)	10.79	19.70
		Reactant	0.02	0.11
		Exempt Solvents	1.17	5.12
		PM 0.17	0.73	
		Other 0.16	0.71	

### Controlled Emission Rates During Ozone Season (5)

6 and 20	Solvent and General Exhaust vented through a Thermal Oxidizer (3)	VOC (6)	0.16	0.41
		Reactant	0.02	0.11
		Exempt Solvents	1.17	5.12
		PM	0.17	0.73
		Other 0.16	0.71	
		VOC (4)	0.07	0.16
		PM (4)	0.09	0.21

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			lb/hr	TPY
(2)				
		NO <sub>x</sub> (4)	1.11	2.89
		CO (4)	0.92	2.36
		SO <sub>2</sub> (4)	0.02	0.04
10 and 11	Fabrication Lines vented through Scrubbers 1980 and 1990 (3)	VOC	0.09	0.38
		Reactant	0.14	0.60
		PM	<0.01	0.02
13	100-HP Boiler	NO <sub>x</sub>	0.42	1.84
		CO	0.35	1.55
		SO <sub>2</sub>	<0.01	0.01
		PM	0.03	0.14
		VOC	0.02	0.10
14	200-HP Boiler	NO <sub>x</sub>	0.84	3.68
		CO	0.71	3.09
		SO <sub>2</sub>	<0.01	0.02
		PM	0.06	0.28
		VOC	0.05	0.20
15	350-HP Boiler	NO <sub>x</sub>	1.47	6.44
		CO	1.24	5.41
		SO <sub>2</sub>	<0.01	0.04
		PM	0.11	0.49
		VOC	0.08	0.36
16	350-HP Boiler	NO <sub>x</sub>	1.47	6.44
		CO	1.24	5.41
		SO <sub>2</sub>	<0.01	0.04
		PM	0.11	0.49
		VOC	0.08	0.36
17	350-HP Boiler	NO <sub>x</sub>	1.47	6.44
		CO	1.24	5.41
		SO <sub>2</sub>	<0.01	0.04
		PM	0.11	0.49
		VOC	0.08	0.36

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(2)				
23	700 kW Generator	NO <sub>x</sub>	33.27	1.20
		CO	1.21	0.04
		SO <sub>2</sub>	0.60	0.02
		PM	0.25	0.01
		VOC	0.76	0.03
24	1,000 kW Generator	NO <sub>x</sub>	40.87	1.47
		CO	2.97	0.11
		SO <sub>2</sub>	0.87	0.03
		PM	0.29	0.01
		VOC	0.70	0.03
25	1,000 kW Generator	NO <sub>x</sub>	40.87	1.47
		CO	2.97	0.11
		SO <sub>2</sub>	0.87	0.03
		PM	0.29	0.01
		VOC	0.70	0.03
	Sitewide	Single HAP		10.00
		Combined HAP		25.00

- (1) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1.
- Exempt Solvents - organic compounds excluded from the definition of VOC in 30 TAC § 101.1.
- Reactant - inorganic compounds.
- Inert Gas - inorganic compounds.
- NO<sub>x</sub> - total oxides of nitrogen.
- CO - carbon monoxide.
- 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 PM greater than 10 microns is emitted.
- SO<sub>2</sub> - sulfur dioxide.
- Other - acids, bases, elements, salts
- HAP - hazardous air pollutant

(2) Rate if for a rolling 12-consecutive months for the exception of EPNs 6 and 20.

(3) The emission rates are the sum of the EPNs listed.

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(2)

(4) Combustion and solvent firing emissions from the thermal oxidizer.

(5) Ozone season defined as months April 1 through October 31.

(6) Non-ozone season defined as months November 1 through March 31.

Dated November 22, 2005