

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17684

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

AIR CONTAMINANTS DATA				
Emission Point No.	Emission Source Name	Air Contaminant (1)	Emission Rates	
	TPY(2)		lb/hr	
1, 2, 3, 4, 5, and 7	Fabrication Lines A, B, C, and D vented through Scrubbers 1900, 1960, 1970, 1930, 1940, and 1950 (4)	VOC	0.38	1.68
		Reactant	1.46	6.43
		Exempt Solvents	13.97	61.17
		Inert Gas	1.05	4.61
6	Fabrication Lines A, B, C, D, and E vented through Thermal Oxidizer	VOC	0.08	0.40
		NO <sub>x</sub>	1.10	4.82
		CO	0.90	3.94
		SO <sub>2</sub>	<0.01	0.03
		PM	0.08	0.35
		VOC	0.06(3)	0.26(3)
8 and 9	Fabrication Line E vented through 2.02 Scrubbers 1920 and 1910 (4)	Reactant		0.46
10 and 11	Fabrication Lines A, B, C, and D vented through Scrubbers 1980 and 1990 (4)	Reactant	0.74	3.22
13	100 HP Boiler	NO <sub>x</sub>	0.41	1.80
		CO	0.35	1.52
		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>	0.82	3.61
		CO	0.69	3.03
		SO <sub>2</sub>	<0.01	0.02
		PM	0.06	0.27
		VOC	0.05	0.20

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Emission Point No. <u>TPY(2)</u>	Emission Source Name	AIR CONTAMINANTS DATA			
		Air Contaminant (1)		<u>Emission Rates</u> lb/hr	
15	350 HP Boiler	NO <sub>x</sub>		1.44	6.31
		CO	1.21	5.30	
		SO <sub>2</sub>	<0.01	0.04	
		PM	0.11	0.48	
		VOC	0.08	0.35	
16	350 HP Boiler	NO <sub>x</sub>		1.44	6.31
		CO	1.21	5.30	
		SO <sub>2</sub>	<0.01	0.04	
		PM	0.11	0.48	
		VOC		0.08	0.35
17	350 HP Boiler	NO <sub>x</sub>		1.44	6.31
		CO	1.21	5.30	
		SO <sub>2</sub>	<0.01	0.04	
		PM	0.11	0.48	
		VOC		0.08	0.35
18 and 19	Bench-Scale Processes vented through Scrubbers SB1 and SB2 (4)	Reactant		0.22	<0.01
20	Bench-Scale Processes vented through Vent	VOC		2.61	0.01
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 and 25	1,000 kW Generator (4)	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	

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- (1) VOC (TAC) - volatile organic compounds as defined in 30 Texas Administrative Code Section 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 - total particulate matter, including particulate matter 10 microns and smaller.
- SO<sub>2</sub> - sulfur dioxide.
- (2) Rate if for a rolling 12-consecutive months.
- (3) Emissions from combustion.
- (4) The emission rates are the sum of the EPNs listed.

Dated March 1, 2001