

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 70017

This table lists the maximum allowable emission rates for the sources of emissions authorized by this permit. Emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these sources. Any proposed increase in emission rates may require an application for a modification of the sources covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No.	Source Name	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY (2)
VX-1A, VX-1B, VX-2B, VX-3B, GX-1, GX-2, GX-3, GX-4, GX-9, GX-11, GX-12, GX-13, GX-14, AX-1, AX-2, AX-3, AX-4, AX-5, AX-6, AX-7, AX-8, CX-1, CX-2, CX-3, CX-4, and MISC	FAB1 Building and Miscellaneous sources	VOC	6.80	25.62
		VOC	36.00 (4)	6.10 (4)
		Exempt VOC	12.20	53.33
		Exempt VOC	11.50 (4)	1.94 (4)
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.50	2.20
		GIC	7.80	29.41
		CO		0.50
		NO <sub>x</sub>	0.11	0.50
		VOC (3)	0.10	<0.20
		PM <sub>10</sub> /PM <sub>2.5</sub> (3)	0.10	0.30
		NO <sub>x</sub> (3)	1.80	7.90
		CO (3)		2.33
			10.20	
B1, B2, B3, and VGX-1	MECH Building (Industrial Chillers and Three Boilers)	SO <sub>2</sub> (3)	0.01	0.02
		VOC	0.01	0.01
		Exempt VOC	4.95	15.52
		GIC	0.01	<0.01
		VOC (3)	1.32 (5)	3.13 (5)
		PM <sub>10</sub> /PM <sub>2.5</sub> (3)	1.10 (5)	1.98 (5)
		NO <sub>x</sub> (3)	8.23 (5)	7.59 (5)
		CO (3)	4.84 (6)	21.07 (5)
		SO <sub>2</sub> (3)	22.89 (5)	2.02 (5)

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## AIR CONTAMINANTS DATA

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lb/hr	TPY (2)
ST1, ST2, ST3, T1VOC, T2VOC, T3VOC, T4VOC, T5VOC, T6VOC, T-1ING, and TINGMISC	TANKS (Process Material, Fuel, and Waste Solvent)	VOC	0.10	1.20
		Exempt VOC	0.01	0.02
		GIC	0.10	0.03
All Emission Points	All Sources	Single HAP	<10.00	
		Multiple HAPS	<25.00	

- (1) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1  
[30 TAC ' 101.1]
- Exempt VOC- exempt solvents as defined in 30 TAC ' 101.1
- PM<sub>10</sub> - particulate matter, suspended in the atmosphere, 10 microns or less in diameter
- PM<sub>2.5</sub> - particulate matter, suspended in the atmosphere, 2.5 microns or less in diameter
- GIC - gaseous inorganic compounds including acids and caustics
- CO - carbon monoxide
- NO<sub>x</sub> - nitrogen oxides
- SO<sub>2</sub> - sulfur dioxide
- HAP - hazardous air pollutant as identified in Title 40 Code of Federal Regulations Part 63, Subpart C

(2) Rate for a rolling 12 consecutive months

(3) Combustion product

(4) Unabated emissions during planned maintenance, gas curtailments, and switching to backup oxidizers

(5) Rate from burning No. 2 fuel oil up to 168 hours per year per boiler

(6) Rate from burning natural gas

Dated: July 22, 2011

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