

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8559

This table lists the maximum allowable emission rates for the sources of air contaminants covered by this permit. Annual rates (TPY) are for any 12-consecutive month period.

## AIR CONTAMINANTS DATA

Emission Point No. (1) (4)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
A1 through A12	Wet Scrubbers for Fab Lines I, II, III, and EPI Reactors	Acids/Bases	6.85	12.11
		Elemental Gases	3.07	5.28
		Specialty Gases	3.47	3.72
		Halocarbons	8.90	19.50
		NO <sub>x</sub> 4.85	6.63	
TO1	Thermal Oxidizer for Fab Lines I, II, and III	VOC	9.36	17.83
		Exempt Solvents	15.65	21.42
		PM	0.02	0.07
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	5.10	7.51
		CO	0.21	0.74
B1 through B8	6 Active and 2 Backup Steam Boilers	PM	0.67	2.36
		SO <sub>2</sub>	0.05	0.19
		NO <sub>x</sub> 8.85	31.01	
		CO	7.43	26.05
		VOC	0.49	1.71
T-008	Waste Solvent Tank	VOC	0.16	0.13
		Exempt Solvents	0.05	0.04
All (Site-Wide)	Various	Individual HAPs		<10.00
		All HAPs		<25.00

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(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) Halocarbons - compounds containing carbon, and one or more halogens, and sometimes hydrogen.

VOC - volatile organic compounds as defined in 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)

Exempt Solvents - organic compounds excluded from VOC definition Title 30 TAC § 101.1. For the purposes of this permit, exempt solvents do not include halocarbons.

HAP - any air contaminant (pollutant) listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C.

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.

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

(4) Any consecutive 12-month period.

Dated May 8, 2006