

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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.	Source Name	Air Contaminant Name (1)	<u>Emission Rates</u>	
			lb/hr	TPY
A1 through A12	9 Active and 3 Backup Wet Scrubbers for Fab Lines I, II, and III	Acids/Bases	6.85	12.11
		Elemental Gases	3.07	5.28
		Specialty Gases	3.47	3.72
		Halocarbons	8.90	19.50
		NO _x 4.85	6.63	
TO1	Thermal Oxidizer for Fab Lines I, II, and III	VOC	9.35	17.78
		Exempt Solvents	15.65	21.42
		PM	0.03	0.12
		SO ₂	<0.01	0.01
		NO _x	5.20	7.86
		CO	0.09	0.31
		TOC	0.01	0.05
B1 through B8	6 Active and 2 Backup Steam Boilers	PM	1.21	4.25
		SO ₂	0.05	0.19
		NO _x 8.48	29.71	
		CO	3.10	10.85
		TOC	0.51	1.80
T-008	Waste Solvent Tank	VOC	0.16	0.07
		Exempt Solvents	0.05	0.03

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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.

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

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

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - 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_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

TOC - total organic compound emissions from the incomplete combustion of natural gas

Notwithstanding compound changes authorized in Special Condition No. 7, specific air contaminants for each category are as listed in Table 1 of the confidential portion of the permit amendment application dated February 3, 2000.

Dated_____