

# 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 *	Source	Air Contaminant	Emission Rates	
Point No.	Name	Name (1)	lb/hr	TPY
<b>Interim Period (2)</b>				
A1 through A8	8 Wet Scrubbers (for Fab Lines I, II, and III) 4.49	Acids/Bases	3.39	14.9
		Fluoride Compounds		1.04
		Specialty Gases	0.15	0.73
		Halocarbons	6.19	27.11
		Elemental Gases	0.46	2.03
		VOC	4.4	18.8
		non-VOC Organics	5.40	23.64
A9	Ammonia Scrubber	Ammonium Compounds	0.68	1.0
T01	Thermal Oxidizer (for Fab Lines II and III) 1.45	VOC	2.57	11.2
		non-VOC Organics		0.34
		PM	0.03	0.12
		NO <sub>x</sub>	0.35	1.23
		SO <sub>2</sub>	<0.01	0.01
		CO	0.09	0.31
		TOC	0.01	0.05
B1 through B8	8 Steam Boilers (6 active units, 2 reserve) 29.71	PM	1.21	4.25
		NO <sub>x</sub>		8.48
		SO <sub>2</sub>	0.05	0.19
		CO	3.1	10.85
		TOC	0.51	1.8
T-008	Waste Solvent Tank	VOC	0.16	0.07
		non-VOC Organics	0.05	0.03

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

## Post-Construction Period (2)

A1 through A8	8 Wet Scrubbers (for Fab Lines I, II, and III) 6.11	Acids/Bases	1.81	7.91
		Fluoride Compounds		1.4
		Specialty Gases	0.13	0.58
		Halocarbons	6.19	27.11
		Elemental Gases	0.23	1.02
		VOC	0.3	1.0
		non-VOC Organics	0.3	1.0
A9	Ammonia Scrubber	Ammonium Compounds	0.68	1.0
T01	Thermal Oxidizer (for Fab Lines I, II, and III) 8.31	VOC	3.65	16.0
		non-VOC Organics		1.9
		PM	0.03	0.12
		NO <sub>x</sub>	0.35	1.23
		SO <sub>2</sub>	<0.01	0.01
		CO	0.09	0.31
		TOC	0.01	0.05
B1 through B8	8 Steam Boilers (6 active units, 2 reserve) 29.71	PM	1.21	4.25
		NO <sub>x</sub>		8.48
		SO <sub>2</sub>	0.05	0.19
		CO	3.1	10.85
		TOC	0.51	1.8

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## AIR CONTAMINANTS DATA

Emission * Point No.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lb/hr	TPY
T-008	Waste Solvent Tank	VOC	0.16	0.07
		non-VOC Organics	0.05	0.03

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION SOURCES

- (1) Fluoride Compounds -  
inorganic compounds that contain a fluorine.
- Halocarbons -  
compounds containing carbon, and one or more halogens,  
and sometimes hydrogen.
- VOC - volatile organic compounds as defined in General Rule  
101.1
- non-VOC Organics - organic compounds excluded  
from the definition of VOC in General Rule 101.1, such as  
acetone. For the purposes of this permit non-VOC organics  
do not include halocarbons.
- 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  
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 January 11, 1996.

(2) See Special Condition No. 3.

\* Facilities may operate:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760  
Hrs/year

Dated\_\_\_\_\_