Permit No. 8559

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

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emission</u>	Rates
<u>*</u>				
<u>Point No.</u>	Name	Name (1)	<u>lb/hr</u>	<u>TPY</u>
Initial Period ((2)			
A1 though A8	8 Wet Scrubbers (for Fab Lines I, 1 4.49	Acids/Bases II, and IIA)Fluoride	3.39 Compounds	14.9 1.04
		Specialty Gases Halocarbons Elemental Gases VOC Non-VOC Organics	0.15 6.19 0.46 6.3 5.81	0.73 27.11 2.03 27.47 25.43
A9	Ammonia Scrubber	Ammonium Compoun	ds 0.68	1.0
T01	Thermal Oxidizer (for Fab Line IIA)	VOC Non-VOC Organics PM NO _x SO ₂ CO TOC	1.65 0.22 0.03 0.35 <0.01 0.09 0.01	7.21 0.93 0.12 1.23 0.01 0.31 0.05
B1 though B8	8 Steam Boilers (6 active units, 2 29.71	SO ₂ CO	1.21 NO _x 0.05 3.1	4.25 8.48 0.19 10.85
T-008	Waste Solvent Tank	TOC VOC Non-VOC Organics	0.51 0.16 0.05	1.8 0.07 0.03

AIR CONTAMINANTS DATA

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

Interim Period (3)

A1 though A8	8 Wet Scrubbers (for Fab Lines I, II, 4.49		3.39 Compounds	14.9 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 Compound	ls 0.68	1.0
T01	Thermal Oxidizer	VOC	2.57	11.2
	(for Fab Lines II and	IIA)Non-VOC Organ	ics	0.34
	1.45			0.40
		PM	0.03	0.12
		NO_x	0.35	1.23
		SO_2	<0.01	0.01
		CO	0.09	0.31
		TOC	0.01	0.05
B1 though B8	8 Steam Boilers	PM	1.21	4.25
	(6 active units, 2 res	serve)	NO _x	8.48
		SO_2	0.05	0.19
		CO	3.1	10.85
		TOC	0.51	1.8

AIR CONTAMINANTS DATA

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

Post-Construction Period (4)

A1 though A8	8 Wet Scrubbers (for Fab Lines I, II 6.11	•		7.91 1.4
		Specialty Gases Halocarbons Elemental Gases VOC Non-VOC Organics	6.19 0.23 0.3	0.58 27.11 1.02 1.0 1.0
A9	Ammonia Scrubber	Ammonium Compound	ds 0.68	1.0
T01	Thermal Oxidizer (for Fab Lines I, II 8.31	VOC I, and IIA)Non-VOC (3.65 Organics	16.0 1.9
	0.52	PM	0.03	0.12
		NO_x	0.35	1.23
		SO_2	<0.01	0.01
		CO	0.09	0.31
		TOC	0.01	0.05
B1 though B8	8 Steam Boilers	PM	1.21	4.25
-	(6 active units, 2 re 29.71	eserve)	NO _x	8.48

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
- Point No.	Name	Name (1)	lb/hr	TPY
		SO₂ CO TOC	0.05 3.1 0.51	0.19 10.85 1.8
T-008	Waste Solvent Tank	VOC Non-VOC Organics	0.16 0.05	0.07 0.03

Permit No. 8559 Page 4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION SOURCES

PM -	particulate matter
- total oxides of nitroge	n
- sulfur dioxide	
- carbon monoxide	
- total organic compound	emissions from the incomplete
mbustion of natural gas	
- volatile organic compou	nds as defined in General Rule
s -	organic compounds excluded
om the definition of VOC	in General Rule 101.1, such as
etone. For the purposes o	f this permit non-VOC organics
not include halocarbons.	-
carbons	-
compounds containing carb	on, and one or more halogens,
d sometimes hydrogen.	_
	- total oxides of nitroge - sulfur dioxide - carbon monoxide - total organic compound mbustion of natural gas - volatile organic compou s - om the definition of VOC etone. For the purposes o not include halocarbons. carbons compounds containing carb

(2)	Fluoride Compounds inorganic compounds that contain a fluorine. Not withstanding 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. Initial Period - begins on the date of this permit and ends after VOC emissions from Fab II have been routed to and
	are controlled by a thermal oxidizer, but no later than May 30, 1997.
(3)	Interim Period - begins after the initial period and ends after all VOC emissions from all semiconductor fabrication lines have been routed to and are controlled by
(4)	a thermal oxidizer, but no later than May 30, 1998. Post-Construction Period - begins after the Interim Period and shall begin no later than May 31, 1998.
*	Facilities may operate:
24	Hrs/day <u>7</u> Days/week <u>52</u> Weeks/year or <u>8,760</u> Hrs/year
	Dated