

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name *	Air Contaminant Name (2)	<u>Emission Rates</u>	
			lb/hr	TPY (3)

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Permit No. 18915

This table lists the maximum allowable emission rates from all sources of air contaminants covered by this permit. .

AIR CONTAMINANTS DATA

Emission Point No. (1)	Facility Name*	Air Contaminant Name (2)	<u>Emission Rates</u>	
			lb/hr	TPY (3)

Building A

ASF1	Fab 10 Uncontrolled Processes	VOC	0.91	4.00
AS1	Fab 10 and Fab 11 Processes Controlled by Thermal Oxidizer	VOC	14.11(4)	5.79(5)
		Exempt Solvent	27.73(4)	10.50(5)
		Inorganics	0.04	0.16
		PM (6)	0.02	0.07
		SO ₂	<0.01	<0.01
		NO _x	0.04	0.18
		CO	0.01	0.02
AF1A and/or AF1B and/or AF2 and/or AF3A and/or AF3B and/or AF4 and/or AF5A and/or AF5B and/or AF5C and/or AF5D	Fab 10 and Fab 11 Processes Controlled by Ammonia/Alkali Scrubbers, Acid Scrubbers, and Guardian Oxidizers	VOC	0.70	3.06
		Halocarbons	<0.01	0.02
		Acids	0.41	1.79
		Inorganics	0.15	0.64
		Specialty Gases	<0.01	0.02
		PM	<0.01	<0.01
ABB1	Calibration Baths	Halocarbons	1.03	4.50
		PM	<0.01	<0.01

AST1	Waste Solvent Tanks	VOC	0.02	0.05
		Exempt Solvent	0.09	0.24
ABS1	Boiler Nos. 1 and 2	NO _x	0.82	3.60
		SO ₂	<0.01	0.02
		CO	0.69	3.02
		PM (6)	0.06	0.27
		VOC	0.05	0.20
ABS2	Boiler Nos. 3 and 4	NO _x	1.49	6.54
		SO ₂	<0.01	0.04
		CO	1.25	5.49
		PM (6)	0.11	0.50
		VOC	0.08	0.36
AIWT1-3	Industrial Wastewater Treatment Tanks 1, 2, and 3	VOC (8)	<0.01	<0.01

Buildings B and F

BS1 and/or BS2 and/or FS1 and/or FS2	Uncontrolled Assembly, Cleaning and Prototype Processes	VOC	4.30	18.80
		Exempt Solvent	0.13	0.55
		Halocarbons	0.49	2.17
		Acids	<0.01	<0.01
		PM (5)	0.06	0.25
		Inorganics	<0.01	<0.01

(1) Emission point identification from a site plan

(2) VOC - volatile organic compounds and as identified on Confidential Table 1 (dated April 7, 2000)

PM - particulate matter, suspended in the atmosphere, including PM₁₀ and as identified on Confidential Table 1 (dated April 7, 2000)

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	-	nitrogen oxides	
SO ₂	-	sulfur dioxide	
CO	-	carbon monoxide	
Exempt Solvents	-		carbon compounds
determined not to affect the formation of ozone and identified as non-VOC on Confidential Table 1 (dated April 7, 2000)			
Halocarbons	-	as identified on Confidential Table 1 (dated April 7, 2000)	
Acids	-	as identified on Confidential Table 1 (dated April 7, 2000)	
Inorganics	-	as identified on Confidential Table 1 (dated April 7, 2000)	

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- (3) Rates for any 12-consecutive month period
- (4) Uncontrolled emissions during maintenance of thermal oxidizer
- (5) Includes some uncontrolled emissions for maintenance of thermal oxidizer
- (6) Includes PM₁₀
- (7) Combustion product
- (8) Fugitive emissions.

* The facilities may operate: Hours/day 24 Days/week 7 Weeks/year 52

Dated _____