

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

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Permit Number 18915

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

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

Building A

AS1, and/or ASF1, and /or ASF2	Fabs 10, 11, and 12/12X Processes Controlled by a Thermal Oxidizer in the Ozone Season (FAB 10/11/12/12X)	VOC	0.46 (4)	
		Exempt Solvent	0.12 (4)	
		VOC	9.14 (5)	
		Exempt Solvent	2.37 (5)	
		VOC		21.01
		Exempt Solvent		5.46
		Inorganic Bases	0.01	0.03
		PM	0.14	0.62
		VOC (6)	<0.01	0.01
		PM (6)	0.01	0.02
		NO _x (6)	0.21	0.46
		CO (6)	0.06	0.13
		SO ₂ (6)	<0.01	<0.01
AF1A and/or AF1B	Fabs 10, 11, and 12/12X	VOC	0.91	4.00
and/or AF2 and/or AF3A and/or AF3B and/or AF4 and/or AF5A and/or AF5B and/or AF5C and/or	Processes Controlled by Ammonia/Alkali Scrubbers, Acid Scrubbers, and Guardian Oxidizers (FAB 10/11/12/12X)	Halocarbons	<0.01	0.01
		Inorganic Acids	0.70	3.06
		Inorganic Bases	0.15	0.66
		Specialty Gases	<0.01	0.02
		PM	0.01	0.04

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			lb/hr	TPY (3)
AF5D and/or AF5E				
ABB1	Calibration Baths (BLDG A-BRN)	Halocarbons	0.75	3.27
AST1	Waste Solvent Tanks ATK1 and ATK2 (ST-1)	VOC (7)	0.01	0.03
		Exempt Solvent (7)	0.01	0.04
ABS2	Boilers 1 (8.2 MMBtu/hr), 2 (8.2 MMBtu/hr), and 3 (12.2 MMBtu/hr) (BOILER 2)	VOC	0.15	0.45
		PM	0.21	0.63
		NO _x	2.80	8.24
		CO	2.36	6.92
		SO ₂	0.02	0.05
GEN01	200 KW Emergency Generator (BLDG-A)	VOC	0.07	<0.01
		PM	0.09	<0.01
		NO _x	5.77	0.04
		CO	0.81	<0.01
GEN02	500 KW Emergency Generator (BLDG-A)	VOC	0.06	<0.01
		PM	0.68	<0.01
		NO _x	14.57	0.10
		CO	0.55	<0.01
GEN03	750 KW Emergency Generator (BLDG-A)	VOC	0.60	<0.01
		PM	0.52	<0.01
		NO _x	17.61	0.11
		CO	3.23	0.02
Building F				
FS1 and/or FS2	Uncontrolled Assembly, Cleaning and Prototype Processes	VOC	0.07	0.31
		Halocarbons	<0.01	<0.01
		PM	<0.01	0.01

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			lb/hr	TPY (3)
Outdoor				
AIWT1-3	Industrial Wastewater Treatment Tanks 1, 2, and 3 (IWT1-1-3)	VOC (7)	<0.01	0.01

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			lb/hr	TPY (3)
AS1, ASF1, ASF2, AF1A, AF1B, AF2 AF3A, AF3B, AF4, AF5A, AF5B, AF5C, AF5D, AF5E, AST1, FS1, FS2, and AIWT1-3	Fabs 10, 11, 12/12X, Waste Solvent Tanks, Building F Processes, Wastewater Treatment	Single HAP All HAP		<10.00 <25.00

(1) Emission point identification from site plan

(2) VOC - carbon compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1

- and as identified on Attachment 1

PM - total particulate matter suspended in the atmosphere, including PM₁₀ as defined in 30 TAC § 101.1, and as identified in Attachment 1

PM₁₀ - particulate matter equal to or less than a nominal 10 microns in aerodynamic diameter

NO_x - nitrogen oxides

SO₂ - sulfur dioxide

CO - carbon monoxide

Exempt Solvents - carbon compounds as defined in 30 TAC § 101.1, and as identified in Attachment 1

Halocarbons - as identified in Attachment 1
Inorganic Acids - as identified in Attachment 1
Inorganic Bases - as identified in Attachment 1
Specialty Gases - as identified in Attachment 1
HAP - hazardous air pollutants as identified in Title 40 Code of Federal Regulations
Part 63,
Subpart C

- (3) Rates are for a rolling 12-consecutive months
- (4) Controlled emissions during ozone season
- (5) Uncontrolled emissions
- (6) Product of natural gas and carbon compound combustion
- (7) Fugitive emissions

Dated December 21, 2005