

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18915

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

The emission rates shown are those derived from information submitted in the application for permit amendment and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (FIN)	Air Contaminant Name (2)	Emission Rates	
			lb/hr	TPY (3)
ASF1 and/or ASF2	WLP Fab Uncontrolled Processes (WLP Fab)	VOC	2.00	8.73
		Exempt Solvent	5.36	23.46
		PM <sub>10</sub>	0.01	0.07
ASF1 and/or ASF2	WLP Fab Processes vented Through RCTO (WLP Fab)	VOC	0.10	<0.01
		Exempt Solvent	0.27	<0.01
		PM <sub>10</sub>	0.01	<0.01
		VOC (4)	<0.01	<0.01
		PM <sub>10</sub> (4)	<0.01	<0.01
		NO <sub>x</sub> (4)	0.18	<0.01
		CO (4)	0.05	<0.01
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	WLP Fab Processes Controlled by Ammonia/Alkali Scrubbers, Acid Scrubbers, and Guardian Oxidizers (WLP Fab)	SO <sub>2</sub> (4)	<0.01	<0.01
		VOC	0.04	0.49
		Halocarbons	0.02	0.01
		Acids	0.39	0.18
		Bases	0.34	0.08
ABB1	Calibration Baths (FTS Bath)	Specialty Gases	0.04	<0.01
		Halocarbons	0.17	0.76
AST1	Waste Solvent Tanks ATK1 and ATK2 (ST-1)	VOC (5)	<0.01	0.03
		Exempt Solvent (5)	<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 <sub>10</sub>	0.21	0.63
		NO <sub>x</sub>	2.80	8.24
		CO	2.36	6.92
		SO <sub>2</sub>	0.02	0.05
GEN02	500 KW Emergency Generator (BLDG-A)	VOC	0.06	<0.01
		PM <sub>10</sub>	0.68	<0.01

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Emission Point No. (1)	Source Name (FIN)	Air Contaminant Name (2)	Emission Rates	
			lb/hr	TPY (3)
		NO <sub>x</sub>	14.57	0.10
		CO	0.55	<0.01
		SO <sub>2</sub>	1.53	0.01
GEN03	750 KW Emergency Generator (BLDG-A)	VOC	0.60	<0.01
		PM <sub>10</sub>	0.52	<0.01
		NO <sub>x</sub>	17.61	0.11
		CO	3.23	0.02
		SO <sub>2</sub>	2.27	0.01
AIWT1-3	Industrial Wastewater Treatment Tanks 1, 2, and 3 (IWT1-1-3) Permit Number 18915	VOC (5)	<0.01	0.01
ASF1, ASF2, AF1A, AF1B, AF2, AF3A, AF3B, AF4, AF5A AF5B, AF5C, AST1, and AIWT1-3	WLP Fab, Waste Solvent Tanks, and Wastewater Treatment Tanks	Single HAP		<10.00
		All HAP		<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 PM<sub>10</sub> as defined in 30 TAC ' 101.1, and as identified in Attachment 1PM<sub>10</sub> - particulate matter equal to or less than a nominal 10 microns in aerodynamic diameterNO<sub>x</sub> - nitrogen oxidesSO<sub>2</sub> - 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

Acids - as identified in Attachment 1

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

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- (3) Rates are for a rolling 12-consecutive months.
- (4) Products of natural gas combustion.
- (5) Fugitive emissions.

Dated April 6, 2010