

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18734

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

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u> lb/hr	
	TPY(4)			
FAB (9)	CF6-E1, 2, 2e, 3 Fab Emissions routed through oxidizers, and scrubbers	Inorganic Acids	1.73	7.43
		Inorganic Bases	0.32	1.29
		Other Inorganics (6)	1.00	4.36
		VOC	7.05	30.42
		Exempt Solvents (5)	2.19	9.58
BCDRSE1 and E1RSE3	Combustion from Thermal Oxidizers	NO _x	3.72	16.29
		SO ₂	0.01	0.02
		CO	0.43	1.89
		PM	0.04	0.18
		VOC	0.03	0.12
E1RSE1, E1RSE2, E2ERSE, E2RSE	CF6-E1, 2, 2e Solvent Bypass Stacks	VOC	74.87 (7)	6.29 (7)
		Exempt Solvents (5)	3.44 (7)	0.29 (7)
IWT1	NaOH Tank	Inorganic Bases	<0.01	<0.01
SSTK5 and SSTK6	Waste Solvent Tanks	VOC	0.25	0.32
		Exempt Solvents (5)	0.31	0.76
HCI-FUG	Bulk Anhydrous HCI Supply SystemFugitives	HCI	0.01	<0.01
ALL (8)	ALL (8)	any single HAP		<10.00
		total HAP		<25.00

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- (1) Emission point identification - emission point number from plot plan.
- (2) Specific emission source name
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - HCl - hydrogen chloride
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
- HAP - hazardous air pollutants
- (4) Emission rates for 12-month period.
- (5) Exempt solvents are compounds excluded from the definition of VOC in 30 TAC § 101.1.
- (6) Other inorganics are inorganic compounds other than acids and bases.
- (7) Bypass stacks are on a limited operating schedule of 168 hours per year.
- (8) ALL - includes all sources of air contaminants covered by this permit.
- (9) FAB - includes all EPNs listed in Appendix A.

Dated September 5, 2003

APPENDIX A - FAB EMISSION SOURCES

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E1YASE
E1RHWSE1
E1RHWSE2
E1RWJASE2
E2YASE
E2RHWSE
E2RWJASE
E1RAMSE1
E1RAMSE2
E2RAMSE
E1REP4-17
BCDRASE
BCDRSE2
BCDRSE1
E1RSVE1-8
E2RSVE
E3RASE1
E3RSE1
E1RSE3

Dated September 5, 2003