

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 7382

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit 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 (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
EF-50	P-1 Varnish Mix Room	VOC	0.71	2.04
INC-1 and INC-2	P-2 Treater	VOC	9.35	14.61
		NO _x	0.80	2.79
		SO ₂	0.22	0.55
		CO	40.00	30.00
		PM	1.75	4.85
DC-2A and DC-2B	P-3 Cloth Edge Trim	PM	0.08	0.26
DC-3	P-4 Fiberglass Slitter	PM	0.03	0.09
F-1, 2, 3, 4, and 5		P-7 Lamination Presses		PM
	0.03	0.09		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
EF-63 and EF 64	P-8 Plan. Plate Clean	PM	0.03	0.09
FS-5	P-9 Circuitization Vent	VOC	0.44	1.57
		PM	3.55	13.29
		Exempt Solvent	0.58	1.95
		Other	0.06	0.19
		CO	0.02	0.08
EF-54, EF-84A and B, and EF-102	P-10 Resist Apply, Hole Burnout, Diazo Develop, and Expose	VOC	0.06	0.18
		Other	0.27	0.96
EF-40, EF-61, and EF-62	P-11 Sodium Chlorite Surface Preparation	VOC	0.06	0.18
		PM	0.31	1.07
DC-064	P-12 Drills	PM	0.03	0.09
EF-91	P-13 Vapor Blast	PM	0.06	0.18
EF-92, EF-93, and EF-94	P-14 Smear Remove	VOC	1.01	3.02
		PM	0.93	2.80
WFS-6, WS-7, EF-32, EF-34, EF-48, and EF49	P-15 Copper Plate	VOC	9.90	21.27
		PM	3.62	12.54
		Other		5.17
	12.74			
EF-80	P-16 PID LAM DEV	VOC	3.75	5.42
20-CDC	S-2 Inorganic Dispense	Other	0.03	0.09
21-CDC	S-3 Non-Flammable Dispense 0.27		VOC	0.09

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
18-CDC	S-4 Flammable Dispense	VOC	0.05	0.09
70NSC and 70SC	S-5 Bulk Cupric Chloride	PM	0.06	0.18
STK 7014	S-6 Bulk Sodium Hydroxide 0.09		PM	0.03
STK 7021	S-7 Bulk MEK Tank	VOC	8.52	0.25
STK 7024	S-8 Bulk Resin Tank	VOC	8.52	0.74
STK 7023	S-9 Bulk EGME Tank	VOC	0.10	0.34
Fuel Oil Tank	S-10 Fuel Oil Tank	VOC	0.35	1.54
70SC	S-11 Bulk Hydrochloric Acid	PM	0.33	0.42
Atm. Vent	S-12 Cupric Chloride Tanks 0.09		PM	0.03
Atm. Vent	S-13 DOWT Tanks	VOC	0.06	0.18
Atm. Vent	S-14 DOWT Tanks	VOC	0.06	0.18
Atm. Vent	S-17 Water Treatment Support Tanks	VOC	0.03	0.09
		SO ₂	0.11	0.40
		PM	0.06	0.18
		Other	0.03	0.09
Vent	S-21 (Building 060) Emergency Generators	VOC	0.42	0.05
		NO _x	5.02	0.90
		SO ₂	5.18	1.40
		CO	1.14	0.13

		PM	0.38	0.08
Vent	S-23 (Building 061) Emergency Generator	VOC	0.07	0.02
		NO _x	1.20	0.45
		SO ₂	1.70	0.70
		CO	0.20	0.04
		PM	0.10	0.04
Vent	S-24 (Building 063) Emergency Generator	VOC	0.09	0.02
		NO _x	1.08	0.45
		SO ₂	1.70	0.70
		CO	0.25	0.04
		PM	0.10	0.04
EF-41, and EF-42	Persulfate Support System 0.18	PM		0.06
Fugitive	Fugitives	VOC	15.34	28.31
		Other	0.37	1.28

Permit No. 7382
Page 4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code (TAC)

Section 101.1.

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 particulate matter greater than 10 microns is emitted.
Exempt Solvent - those compounds specifically
excluded from 30 TAC Section 101.1 definition for
VOC.
Other - ammonia, hydrogen fluoride, oxy difluoride, dioxygen
monofluoride, and difluoride

* Emission rates are based on and the facilities are limited by the
following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or
Hrs/year 8,760

Dated _____