

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		

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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	4.50	8.04
EF-55	P-17 Photolab Developer	VOC	0.03	0.09
		PM	0.06	0.18
CAU 6 and CAU-5	P-18 Photolab	VOC	1.94	1.57
EF-77, Vacuum	P-19 Machining	PM	0.09	0.27

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			lb/hr	TPY
EF-30	P-22 Entek	VOC	0.48	1.66
		PM	0.27	0.95
EF-53, EF-67, and EF-73	P-23 Process Engineering 1.40	VOC Labs	0.51 PM	1.72 0.44
EF-100	P-24 Analytical Labs	VOC	0.12	0.36
		Exempt Solvent	0.06	0.18
20-CDC	S-2 Inorganic Dispense	Other	0.03	0.09
21-CDC	S-3 Non-Flammable Dispense 0.27		VOC	0.09
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

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			lb/hr	TPY
Atm. Vent	S-12 Cupric Chloride Tanks		PM	0.03
	0.09			
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	VOC	0.03	0.09
	Support Tanks	SO ₂	0.11	0.40
		PM	0.06	0.18
		Other	0.03	0.09
Vent	S-21 (Building 060)	VOC	0.42	0.05
	Emergency Generators	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)	VOC	0.07	0.02
	Emergency Generator	NO _x	1.20	0.45
		SO ₂	1.70	0.70
		CO	0.20	0.04
		PM	0.10	0.04

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

(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

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

* 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 _____