

# 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, INC-2	P-2 Treater	VOC	9.35	14.61
		NO <sub>x</sub>	0.80	2.79
		SO <sub>2</sub>	0.22	0.55
		CO	40.00	30.00
		PM	1.75	4.85
DC-2A, 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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EF-63, EF 64	P-8 Plan. Plate Clean	PM	0.03	0.09
FS-5	P-9 Circuitize, Oxide Remove, Copper Plate Support, Test Oxide Remove, Core Lab, Preclean Lab, Copper Plate Lab, and Water Treatment Support	VOC PM	0.44 3.55	1.57 13.29
EF-54, EF-84A and B, EF-102	P-10 Resist Apply, Hole Burnout, Diazo Develop, and Expose	VOC Other	0.06 0.27	0.18 0.96
EF-40, EF-61, EF-62	P-11 Sodium Chlorite Surface Preparation	VOC PM	0.06 0.31	0.18 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, EF-94	P-14 Smear Remove	VOC PM	1.01 0.93	3.02 2.80
WFS-6, WS-7, EF-32, EF-34, EF-48, EF49	P-15 Copper Plate	VOC PM Other	9.90 3.62 5.17	21.27 12.54 12.74
EF-80	P-16 PID LAM DEV	VOC	4.50	8.04
EF-55	P-17 Photolab Developer	VOC PM	0.03 0.06	0.09 0.18

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
CAU 6, CAU-5	P-18 Photolab	VOC	1.94	1.57
EF-77, Vacuum	P-19 Machining	PM	0.09	0.27
EF-30	P-22 Entek	VOC	0.48	1.66
		PM	0.27	0.95
EF-53, EF-67, EF-73	P-23 Process Engineering Labs	VOC	0.51	1.72
		PM	0.44	1.40
EF-100	P-24 Analytical Labs	VOC	0.12	0.36
		non-VOC	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

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			lb/hr	TPY
70NSC and 70SC	S-5 Bulk Cupric Chloride	PM	0.06	0.18
STK 7014	S-6 Bulk Sodium Hydroxide	PM	0.09	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	PM	0.09	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 <sub>2</sub>	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 <sub>x</sub>	5.02	0.90
		SO <sub>2</sub>	5.18	1.40
		CO	1.14	0.13
		PM	0.38	0.08

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
Vent	S-23 (Building 061) Emergency Generator	VOC	0.07	0.02
		NO <sub>x</sub>	1.20	0.45
		SO <sub>2</sub>	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 <sub>x</sub>	1.08	0.45
		SO <sub>2</sub>	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 General Rule 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide  
 PM - particulate matter  
 non-VOC - those compounds specifically excluded from General Rule 101.1 definition for VOC.  
 Other - ammonia

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY

\* 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\_\_\_\_\_