

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18806

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
EF 3-62, EF 3-71, and EF 3-73	Adhesive Mixing Room			MEK	2.0	0.64
				Toluene	6.1	1.28
				Xylene	0.96	0.10
				Heptane	6.0	0.22
				Ethanol	6.7	0.52
				Ethyl acetate	4.0	0.40
				Butanol	0.18	0.008
				MIBK	0.99	0.048
				THF	5.18	0.16
				Cyclohexanone	0.99	0.08
				Acetone	6.33	0.64
				Isopropanol	4.0	0.40
				Methanol	4.0	0.40
				n-Propanol	0.96	0.08
				n-Methyl pyrrolidone	0.32	0.04
				n-Propyl acetate	1.20	0.16
				Methyl t-butyl ether	0.40	0.04
				Methyl n-propyl ketone	2.0	0.24
				Formamide	0.4	0.04
				Dimethyl formamide	0.4	0.04
				Octanol	0.08	0.02

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates*</u> TPY		
				Ammonia	0.008	0.002
				n-Butyl acetate	0.04	0.008
				Isopropanol ether glycol	0.02	0.08

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates*</u> TPY
EF 3-47, EF 3-72, EF 3-74, EF 3-49, and X6	L1 Coater and Room Vent	Isopropanol ether glycol	0.004	0.02
		MEK	13.0	4.16
		Toluene	1.53	0.32
		Xylene	0.24	0.03
		Heptane	1.50	0.05
		Ethanol	1.68	0.13
		Ethyl acetate	1.00	0.10
		Butanol	0.04	0.002
		MIBK	0.25	0.012
		THF	1.30	0.04
		Cyclohexanone	0.25	0.02
		Acetone	1.58	0.16
		Isopropanol	1.00	0.10
		Methanol	1.00	0.10
		n-Propanol	0.24	0.02
		n-Methyl pyrrolidone	0.08	0.01
		n-Propyl acetate	0.30	0.04
		Methyl butyl Ether	0.10	0.01
		Methyl n-propyl ketone	0.50	0.06
		Formamide	0.10	0.01
		Dimethyl formamide	0.10	0.01
		Octanol	0.02	0.005
		Ammonia	0.002	0.0005
		n-Butyl acetate	0.01	0.002

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TO-1	Thermal Oxidizer	Isopropanol ether		
		glycol	0.009	0.04
		Toluene	0.38	0.08
		Xylene	0.06	0.007
		Heptane	0.38	0.014
		Ethanol	0.42	0.033
		Ethyl acetate	0.25	0.025
		Butanol	0.011	0.0005
		MIBK	0.062	0.003
		MEK	0.125	0.04
		THF	0.324	0.01
		Cyclohexanone	0.06	0.005
		Acetone	0.396	0.04
		Isopropanol	0.25	0.025
		Methanol	0.25	0.025
		N-Propanol	0.06	0.005
		n-Methyl		
		pyrrolidone	0.02	0.003
		n-Propyl acetate	0.075	0.01
		Methyl t-butyl		
		ether	0.025	0.003
		Methyl n-propyl		
		ketone	0.125	0.015
		Formamide	0.025	0.003
		Dimethyl		
		formamide	0.025	0.003
		Octanol	0.005	0.002
		Ammonia	0.0005	0.0002
		n-Butyl acetate	0.003	0.0005
		POC	0.13	0.39
EF 3-65	CX-1 Coater Line	Toluene	6.0	0.7
		Misc. VOC	6.0	0.2

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- (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
 - NOx - total oxides of nitrogen
 - SO2 - sulfur dioxide
 - PM - particulate matter including total suspended particulate
 - TSP - total suspended particulate matter including PM10
 - PM10 - particulate matter less than 10 microns
 - CO - carbon monoxide
 - POC - products of combustion: NOx, SO2, PM, VOC, TSP
 - MEK - methyl ethyl ketone
 - MIBK - methyl iso-butyl ketone
 - THF - tetrahydrofuran
 - Misc. VOC - Miscellaneous VOC consists of ethyl acetate, MEK, isopropanol, xylene, glycol ethers

* 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

Revised _____