

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9224A

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)	<u>Emission Rates *</u>	
			<u>lbs/hr</u>	<u>TPY</u>
EP-40	Methanol Scrubber (after 06-01-94)	VOC	41.22	29.46
		CFC	67.28	47.77
EP-40	Methanol Scrubber (before 06-01-94)	VOC	40.18 (5)	35.16
		CFC	34.56 (5)	30.24
EP-47	Reactor Vent (eliminate after 06-01-94) 0.05	VOC	3.85 (5)	3.37
		CFC		0.06 (5)
U-832	Methanol Storage	VOC	0.86	0.005
T-100	CFC-Solvent Storage	CFC	15.7	0.33
U-828	Chain Transfer Agent	VOC	0.24	0.02
U-852	Catalyst Material Storage	VOC	0.003	0.0002
U-802	Catalyst Mix Tank	CFC	0.01	0.0004
		VOC	<0.0001	<0.00001
U-804	Catalyst Mix Tank	CFC	0.01	0.0004
		VOC	<0.001	<0.00001
U-805	Catalyst Separators	CFC	0.0003	0.00013
		VOC	0.0001	<0.00001
U-806	Catalyst Separators	CFC	0.0003	0.000013
		VOC	0.0001	<0.00001

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			<u>lbs/hr</u>	<u>TPY</u>
U-905	Catalyst Separators	CFC	0.0003	0.000013
		VOC	0.0001	<0.00001
U-807	Catalyst Separators	CFC	0.0001	0.002
		VOC	0.0001	<0.00001
U-1872	Centrifuge Effluent Holding Tank	VOC	0.05	0.009
		CFC	0.014	0.08
U-1873	Centrifuge Effluent Holding Tank	VOC	0.05	0.009
		CFC	0.014	0.08
U-1874	Centrifuge Effluent Holding Tank	VOC	0.05	0.009
		CFC	0.014	0.08
EP-60	Reactor Vents (after 03-01-94)	VOC	5.	5.25
		CFC	0.5	0.52
EP-43	Transport Dust Collector	PM	0.027	0.037
EP-51	Transport Vent	PM	0.0025	0.0053
EP-52	Transport Vent	PM	0.175	0.07
EP-53	Transport Vent	PM	0.16	0.165
EP-54	Transport Vent	PM	0.16	0.165
U-1807	Equalization Tanks	VOC	0.008	0.03
		CFC	0.00001	0.00005
U-1808	Equalization Tanks	VOC	0.008	0.03
		CFC	0.00001	0.00005
U-1820	Reflux Tank	VOC	0.0012	0.0055

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			<u>lbs/hr</u>	<u>TPY</u>
U-1823	Overhead Storage	VOC	0.101	0.424
		CFC	0.0003	0.00125
U-1825	Stripper Wastewater Tank	VOC	0.0023	0.01
U-1826	Stripper Wastewater Tank	VOC	0.0023	0.01
U-838	Aqueous Waste Storage Tanks (U-890 and U-891)	VOC	0.156	0.032
		CFC	0.043	0.009
F-1	Monomer Recovery Flare	VOC	0.78	2.28
		NO <sub>x</sub>	0.19	0.54
		CO	0.12	0.34
		HCl	0.0021	0.0063
		HF	0.0034	0.0093
BS-1	Boiler Stack	NO <sub>x</sub>	0.68	2.99
		CO	0.53	2.31
BS-2	Boiler Stack	NO <sub>x</sub>	0.68	2.99
		CO	0.53	2.31
G-1	Emergency Generator	NO <sub>x</sub>	18.8	0.4
		CO	4.1	0.1
		VOC	1.8	<0.1
		SO <sub>2</sub>	1.2	<0.1
		PM	1.3	<0.1
U-834	Brine Storage Tank	VOC	0.077	0.014
EP-42	Cleaning Oven	VOC	0.65	0.22
EP-41	Extruder Vent	VOC	0.1	0.4
EP-9a	Fugitives (4)	VOC	0.5	2.19
		CFC	1.27	5.56

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			lbs/hr	TPY
EP-9b	Fugitives (4)	VOC	0.002	0.009
		CFC	0.001	0.005
EP-9c	Fugitives (4)	VOC	0.906	3.97
PT-1	Dust Collector	PM	0.012	0.052
PT-2	Dust Collector	PM	0.012	0.052
PT-3	Dust Collector	PM	0.012	0.052
PT-4	Dust Collector	PM	0.012	0.052
PT-5	Oven	PM	0.012	0.052

(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

CFC - chlorofluorocarbons

PM - particulate matter

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

HCl - hydrogen chloride

HF - hydrogen fluoride

SO<sub>2</sub> - sulfur dioxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Pounds per batch.

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

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			<u>lbs/hr</u>	<u>TPY</u>
	Hrs/day_____	Days/week_____	Weeks/year_____	or
	Hrs/year <u>8,760</u>			

Dated\_\_\_\_\_