

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	VOC	42.01	30.20
		CFC	67.28	47.77
EP-65	Centerfuge Effluent Holding Tank Vent ¹	VOC	0.15	0.03
		CFC	0.04	0.24
U-832	Methanol Storage	VOC	0.86	0.005
T-100	CFC-Solvent Storage	CFC	15.70	0.33
U-828	Chain Transfer Agent	VOC	0.24	0.05
U-852	Catalyst Material Storage <0.01		VOC	<0.01
U-802	Catalyst Mix Tank	CFC	0.01	<0.01
		VOC	<0.01	<0.01
U-804	Catalyst Mix Tank	CFC	0.01	<0.01
		VOC	<0.01	<0.01
U-805	Catalyst Separators	CFC	<0.01	<0.01
		VOC	<0.01	<0.01
U-806	Catalyst Separators	CFC	<0.01	<0.01
		VOC	<0.01	<0.01
U-905	Catalyst Separators	CFC	<0.01	<0.01
		VOC	<0.01	<0.01

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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>
U-807	Catalyst Separators	CFC	<0.01	<0.01
		VOC	<0.01	<0.01
EP-60	Reactor Vents	VOC	5.00	5.25
		CFC	0.50	0.52
EP-43	Transport Dust Collector		PM	0.03
	0.04			
EP-51	Transport Vent	PM	<0.01	<0.01
EP-52	Transport Vent	PM	0.18	0.07
EP-53	Transport Vent	PM	0.16	0.17
EP-54	Transport Vent	PM	0.16	0.17
U-1807	Equalization Tanks	VOC	<0.01	0.03
		CFC	<0.01	<0.01
U-1808	Equalization Tanks	VOC	<0.01	0.03
		CFC	<0.01	<0.01
U-1820	Reflux Tank	VOC	<0.01	<0.01
U-1823	Overhead Storage	VOC	0.10	0.42
		CFC	<0.01	<0.01
U-1825	Stripper Wastewater Tank		VOC	<0.01
	0.01			
U-1826	Stripper Wastewater Tank		VOC	<0.01
	0.01			

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Point No. (1)	Name (2)	Name (3)	lb/hrTPY	
U-838	Aqueous Waste Storage Tanks (U-890 and U-891)	VOC	0.16	0.03
		CFC		0.04
		<0.01		
F-1	Monomer Recovery Flare	VOC	0.78	4.78
		NO _x	0.19	1.13
		CO	0.12	0.71
		HCl	<0.01	<0.01
		HF	<0.01	<0.01
S-1	Boiler Stack	NO _x	0.68	2.99
		CO	0.53	2.31
		SO ₂	<0.01	0.02
		PM ₁₀	0.07	0.33
BS-2	Boiler Stack	NO _x	0.68	2.99
		CO	0.53	2.31
		SO ₂	<0.01	0.02
		PM ₁₀	0.07	0.33
G-1	Emergency Generator	NO _x	18.8	0.4
		CO	4.1	0.1
		VOC	1.8	<0.1
		SO ₂	1.2	<0.1
		PM	1.3	<0.1
U-834	Brine Storage Tank	VOC	0.08	0.01
EP-42	Cleaning Oven	VOC	0.65	0.22
EP-41	Extruder Vent	VOC	0.1	0.4
EP-9	Fugitives (4)	VOC	1.62	7.10
		CFC	0.11	0.50

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<u>Emission</u> *	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>
PT-1	Dust Collector	PM	0.01	0.05
PT-2	Dust Collector	PM	0.01	0.05
PT-3	Dust Collector	PM	0.01	0.05
PT-4	Dust Collector	PM	0.01	0.05
PT-5	Oven	PM	0.01	0.05

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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) 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, 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.
NO_x - total oxides of nitrogen
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

¹ EPN EP-65 includes emissions from Centrifuge Holding Tanks 872, 873, and 874. Maintenance/Sampling vent emissions also vent here (emissions for Maintenance/Sampling not quantified).

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

Hrs/day _____ Days/week _____ Weeks/year _____ or
Hrs/year 8,760

Dated _____