

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 39947

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
IPA30	Tank	VOC	2.74	<0.01
NAL28	Tank	VOC (5)	0.16	<0.01
		Naphthalene	<0.01	<0.01
F-26	Tank	VOC (5)	0.03	<0.01
		Ethyl Benzene	0.05	<0.01
F-27	Tank	VOC	0.02	<0.01
PAG-25	Tank	VOC	0.54	0.01
EST-25	Tank	VOC	0.08	<0.01
MTH-24	Tank	Methanol	4.22	0.22
F-23	Tank	VOC	0.03	<0.01
MS-21	Tank	VOC	0.10	<0.01
PS-20	Tank	VOC	<0.01	<0.01
F-16	Tank	VOC	0.10	<0.01
WW-13	Tank	Methanol	4.22	0.11
F-12	Tank	VOC (5)	0.96	<0.01
		MTBE	1.06	<0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		Xylene	0.63	<0.01
F-11	Tank	VOC (5)	0.17	<0.01
		Ethyl Benzene	0.01	<0.01
F-14	Tank	VOC	0.10	<0.01
PMX-5	Tank	Methanol	0.20	<0.01
PMX-4	Tank	VOC (5)	0.18	<0.01
		Ethylene Glycol	<0.01	<0.01
		Methanol	3.00	0.03
F-3A	Tank	VOC (5)	0.28	0.01
		Acetone	7.18	0.35
		Methanol	1.45	0.07
		Tetrachloroethylene	2.08	0.02
		Toluene	0.43	0.02
		Xylene	0.34	<0.01
F-2A	Tank	VOC	0.55	<0.01
F-1A	Tank	VOC (5)	2.14	0.12
		Acetone	3.40	0.20
		Methanol	1.75	0.10
		Toluene	0.42	0.02
A-11	Tank	VOC	4.54	<0.01
BF-9	Tank	VOC	0.77	0.04
BF-8	Tank	VOC	0.72	0.04
BF-7	Tank	VOC	0.77	0.04

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
A-12	Tank	VOC	5.54	0.15
A-13	Tank	Acetone	14.87	0.75
EX-1	Line 1 Exhaust	VOC (5)	11.87	5.43
		R-134a	22.75	16.60
		R-142b	3.54	0.86
EX-2	Line 2 Exhaust	VOC (5)	6.59	1.34
		CO <sub>2</sub> 11.63	12.57	
EX-3	Line 3 Exhaust	VOC (5)	1.76	0.47
		R-134a	5.87	0.83
		R-22	7.35	0.12
EX-4	Line 4 Exhaust	VOC (5)	15.18	9.43
		CO <sub>2</sub> 16.80	0.46	
B-1	Boiler	CO	0.02	0.97
		NO <sub>x</sub>	0.11	0.46
		PM	0.01	0.06
		SO <sub>2</sub>	<0.01	<0.01
		TOC	0.06	0.27
FUG-1	Tank Farm Fugitives (4) 1.29	VOC (5)		1.01
		Acetone	0.06	0.07
		Ethylene Glycol	0.01	0.01
		Methanol	0.24	0.74
		MTBE	<0.01	<0.01
		Naphthalene	<0.01	0.01
		Tetrachloroethylene	0.06	0.01
		Toluene	0.04	0.05
		Xylene	0.07	0.81
FUG-2	Aerosol Tank Farm Fugitives (4)	VOC (5)	1.78	7.66
		Acetone	0.75	0.33

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		R-134a	1.26	5.53
		R-142b	0.43	1.88
		R-22	0.31	1.34
FUG-3	Production Fugitives (4) 0.17	VOC (5)		1.58
		Acetone	0.55	0.53
		Ethyl Benzene	<0.01	<0.01
		Ethylene Glycol	<0.01	<0.01
		MDI	<0.01	<0.01
		Methanol	0.64	0.27
		Methylene Chloride	0.26	0.01
		MTBE	0.12	<0.01
		Naphthalene	<0.01	<0.01
		Perchloroethylene	0.17	0.01
		Toluene	0.04	<0.01
		Xylene	0.10	<0.01
		R-134a	1.02	1.16
		R-142b	0.20	0.02
		R-22	1.02	0.11

- (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 TAC Section 101.1
  - MTBE - methyl-tert butyl ether
  - CO<sub>2</sub> - carbon dioxide
  - CO - carbon monoxide
  - NO<sub>x</sub> - total oxides of nitrogen
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.
  - PM<sub>10</sub> - 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.

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

TOC - total organic compound

MDI - 4,4'-methylenediphenyl diisocyanate

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

(5) The VOC emissions rates do not include speciated compounds listed below VOC emissions.

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#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

16 Hrs/day 7 Days/week 52 Weeks/year or        Hrs/year

Dated\_\_\_\_\_