

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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**
D-1	Tank	Diethylene glycol	0.01	0.01
F-11	Tank	Base oil	0.01	0.01
F-13	Tank	Base oil	0.01	0.01
F-15	Tank	DEG-n-butyl ether	0.01	0.01
		DPG-methyl ether	0.01	0.01
		Base oil	0.01	0.01
F-17	Tank	Methanol	5.0	0.10
F-18	Tank	VOC (5)	0.43	0.01
		Xylene	0.03	0.01
F-20	Tank	Shell HVI 350 neutral oil	0.01	0.01
F-21	Tank	Calumet (400-500)	0.13	0.03
F-22	Tank	Shell MVI 500 neutral oil	0.01	0.01
F-23	Tank	Conosol C-145	0.08	0.01
F-24	Tank	Methyl alcohol	5.0	0.21
F-26	Tank	DEG-n-butyl ether	0.01	0.01
		DPG methyl ether	0.02	0.01
F-29	Tank	Calumet (400-500)	0.06	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
F-30	Tank	Toluene	3.28	0.14
F-31	Tank	Isopropyl alcohol	3.24	0.06
F-32	Tank	Ethylene glycol-n-butyl ether	0.10	0.01
F-3A	Tank	Polyether glycol	0.64	0.01
F-3B	Tank	Polyether glycol	0.64	0.01
F-4	Tank	VOC	6.16	0.13
F-5	Tank	Methyl alcohol	0.29	0.01
F-7	Tank	VOC (5)	0.01	0.01
		Diethylene glycol	0.01	0.01
		DEG— butyl ether	0.01	0.01
		Tetraethylene glycol	0.01	0.01
F-8	Tank	VOC (5)	6.56	0.37
		Diethylene glycol	0.01	0.01
		DEG— butyl ether	0.01	0.01
		Tetraethylene glycol	0.01	0.01
F-9	Tank	VOC (5)	0.01	0.01
		Diethylene glycol	0.01	0.01
		DEG— butyl ether	0.01	0.01
		Tetraethylene glycol	0.01	0.01
P-4	Tank	VOC (5)	0.46	0.01
		Xylene	0.01	0.01
R-2	Tank	Polyol ester	0.10	0.01
R-3	Tank	Polyol ester	0.10	0.01
FUG-1	Fugitives Fixed Tanks (4)	VOC (5)	0.45	1.96

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
		Diethylene glycol	0.02	0.09
		DEG-n-butyl ether	0.01	0.05
		Tetraethylene glycol	0.01	0.02
		Toluene	0.02	0.09
		Xylene	0.01	0.01
T-1	Batch Tanks	VOC (5)	15.65	0.32
		Acetone	4.76	0.26
		Diethylene glycol	0.01	0.01
		DEG-n-butyl ether	0.01	0.01
		MTBE 0.36	0.01	
		Polydimethylsiloxane	0.38	0.01
		Tetrachloroethylene	0.87	0.01
		Tetraethylene glycol	0.01	0.01
		Toluene	0.08	0.01
		Xylene	1.32	0.01
FUG-2	Batch Tanks Fugitives (4)	VOC (5)	0.57	0.23
		Acetone	0.02	0.02
		Diethylene glycol	0.01	0.01
		DEG-n-butyl ether	0.01	0.01
		MTBE 0.01	0.01	
		Tetrachloroethylene	0.02	0.01
		Tetraethylene glycol	0.01	0.01
		Toluene	0.01	0.01
		Xylene	0.07	0.01
A-11	Aerosol Tank	VOC	5.46	0.03
A-12	Aerosol Tank	Isopropanol	3.24	0.04
A-13	Aerosol Tank	Acetone	17.63	0.91
A-17	Aerosol Tank	Tetrachloroethylene	0.01	0.01
		Xylene	0.01	0.01
FUG-3	Aerosol Tank Fugitives	VOC (5)	0.47	1.35
		Acetone	0.02	0.09

		R-134a	0.93	2.67
		R-142b	0.19	0.84
		R-22 0.16	0.70	
EX-1	Exhaust Line 1	R-134a	0.24	0.47
EX-2	Exhaust Line 2	VOC (5)	2.38	0.70
EX-3	Exhaust Line 3	VOC (5)	2.60	2.26
		R-134a	0.24	0.53
		R-142b	0.03	0.05
		R-22 0.24	0.01	
EX-4	Exhaust Line 4	VOC	3.17	4.19
B-1	Boiler	PM	0.01	0.01
		SO ₂ 0.01	0.01	
		NO _x 0.11	0.46	
		CO 0.09	0.39	
		VOC	0.01	0.03
FUG-4	Filling Tanks Fugitives	VOC (5)	6.83	1.48
		Acetone	2.06	1.04
		Diethylene glycol	0.01	0.01
		DEG-n-butyl ether	0.01	0.01
		MTBE 0.13	0.02	
		R-134a	1.15	0.36
		R-142b	0.23	0.03
		R-22 1.15	0.67	
		Tetrachloroethylene	0.27	0.04
		Tetraethylene glycol	0.01	0.01
		Toluene	0.16	0.26
		Xylene	0.26	0.01

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
MTBE - methyl-tertbutyl ether
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
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.
CO - carbon monoxide
- (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.

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

** Compliance with annual emission limits is based on a rolling 12-month period.

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Dated February 15, 2005