

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6257F

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**
P-5	EG Dehydration System Vacuum Vent Condenser	VOC	0.19	0.80
P-6	MEG Col Vacuum Vent Condenser	VOC	0.38	1.60
P-8	DEG/TEG Vent Condenser	VOC	0.07	0.31
P-10	Glycol Recovery Vacuum Vent Condenser	VOC	0.38	1.60
P-16	Aqueous Tank	VOC	0.01	0.01
P-17	Organics Tank	VOC	0.12	0.06
P-26	Glycol Refinery Accumulator	VOC	0.53	2.34
P-27	Glycol Recovery Accumulator	VOC	0.02	0.09
P-101	EA Vent	VOC	0.02	0.10
P-102	MEA, DEA, TEA Columns Vacuum Vent Condenser	VOC	0.07	0.30
P-105	GE/EA Batch Tanks Scrubber	VOC	2.95	5.99
		NH ₃	6.00	13.18
P-106	EA Tanks Scrubber	VOC	0.07	0.09
P-201	Ethers Condenser	VOC	1.85	0.22

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			<u>lb/hr</u>	<u>TPY</u>
P-204	Raw Materials Tanks Scrubber	VOC	3.04	2.00
P-205	GE/GEA Scrubber	VOC	1.50	3.90
P-301	Acetates Scrubber	VOC	1.79	0.16
P-303	Loading Scrubber	VOC	2.07	2.40
TK-4620	Ethylene Glycol Ethers Tank	VOC	0.14	0.78
TK-4621	Ethylene Glycol Ethers Tank	VOC	0.14	0.78
TK-4622	Ethylene Glycol Ethers Tank	VOC	0.07	0.54
TK-4624	Ethylene Glycol Ethers Tank	VOC	0.06	1.25
TK-4636	Flash Residue	VOC	6.18	0.11
TK-4638	Ethylene Glycol Ethers Tank	VOC	0.48	1.25
TK-4639	Ethylene Glycol Ethers Tank	VOC	0.06	0.53
TK-4641	Ethylene Glycol Ethers Tank	VOC	0.48	0.54
TK-4642	Ethanol Amines Tank	VOC	0.20	0.01
TK-4644	Ethylene Glycol Ethers Tank	VOC	0.48	0.54
TK-4645	Ethylene Glycol Ethers Tank	VOC	0.22	0.38
TK-4646	Ethylene Glycol Ethers Tank	VOC	0.48	0.54
TK-4647	Ethylene Glycol Ethers Tank	VOC	0.48	0.51
TK-4648	Ethylene Glycol Ethers Tank	VOC	0.22	0.51

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			<u>lb/hr</u>	<u>TPY</u>
TK-4649	Ethylene Glycol Ethers Tank	VOC	0.48	0.47
TK-4650	Ethylene Glycol Ethers Tank	VOC	0.48	0.47
TK-4651	Glycols Tank	VOC	0.13	0.03
TK-4652	Glycols Tank	VOC	0.13	0.13
TK-4653	Glycols Tank	VOC	0.13	0.13
TK-5417	Mixed Glycols and Water Tank	VOC	0.12	0.01
TK-5423	Glycols Tank	VOC	0.13	0.08
TK-5424	Glycols Tank	VOC	0.13	0.08
TK-5425	Glycols Tank	VOC	0.02	0.07
TK-5426	Glycols Tank	VOC	0.02	0.07
TK-5427	Glycols Tank	VOC	0.02	0.03
TK-5428	Glycols Tank	VOC	0.02	0.03
TK-5432	Glycols Tank	VOC	0.46	2.02
TK-5433	Glycols Tank	VOC	0.46	2.02
TK-5444	Mixed Glycols Tank	VOC	0.06	0.01
TK-5445	Glycols Tank	VOC	0.37	0.04
TK-6005	Glycols Tank	VOC	0.37	0.08
TK-6006	Glycols Tank	VOC	0.37	0.08

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TK-6007	Glycols Tank	VOC	0.37	0.08
TK-6010	Glycols Tank	VOC	0.37	0.34
TK-6011	Glycols Tank	VOC	0.15	0.07
TK-6012	Glycols Tank	VOC	0.15	0.07
TK-6013	Glycols Tank	VOC	0.12	0.01
TK-6014	Glycols Tank	VOC	0.12	0.01
TK-6015	Glycols Tank	VOC	1.42	0.42
TK-6016	Glycols Tank	VOC	1.42	0.42
TK-6019	Glycols Tank	VOC	0.07	0.08
TK-6702	Diesel Tank	VOC	0.04	0.01
TK-6703	Gasoline Tank	VOC	6.96	0.14
Degreaser	EOD Unit Degreaser	VOC	0.01	0.04
LOAD	Uncontrolled Loading	VOC	6.07	3.41
EODLOAD	EOD Unit Loading	VOC	35.85	1.63
EODFUG	EOD Fugitives (4)	VOC	2.00	8.74
		NH ₃	0.04	0.19

(1) Emission point identification - either specific equipment designation or emission point number

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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 Title 30 Texas Administrative Code § 101.1
NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

** Compliance with the annual limits shall be on a 12-month rolling basis.

Dated July 11, 2005