

Emission Sources - Maximum Allowable Emission Rates Before Methylal Tank Insulation Project (7)

Permit Number 17910

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
124V1491	Methylal Tank V-1491	VOC	135.47	2.15
124V1492	Methylal Tank V-1492	VOC	135.47	2.15
124V1493	Methylal Tank V-1493	VOC	135.47	2.24
124FUG	Methylal Tank Fugitives (Shipping Services)	VOC	0.04	0.19
T1-21	T-30021 Scrubber	VOC	0.33	1.45
FT1-01	TO-1 Fugitives (5) (6)	VOC	0.25	1.10
		Methyl Formate	0.02	0.08
T2-17	T-30012 Scrubber (6)	VOC	1.46	6.42
		Methyl Formate	0.50	2.19
T2-19	T-30020 Scrubber	VOC	0.55	2.41
T2-21	V-1688	VOC	1.30	0.16
FT2-7	TO-2 Fugitives (5) (6)	VOC	0.29	1.31
		Methyl Formate	<0.01	0.01
TF-1	T-412 Scrubber (6)	VOC	1.55	6.79
		Methyl Formate	2.27	9.94
TF-30037	T-30037 Scrubber	VOC	0.70	0.02
FTF-26	Tank Farm Fugitives (5) (6)	VOC	0.24	1.05
		Methyl Formate	0.01	0.06
		NaOH	<0.01	<0.01
S-4	Ethylene Glycol Storage Tank V-30403	VOC	0.14	0.01

(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 Title 30 Texas Administrative Code § 101.1
NaOH - sodium hydroxide

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Project Number: 343486

Emission Sources - Maximum Allowable Emission Rates

- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Methyl formate emissions are not included in the VOC totals for each EPN.
- (7) The MAERT limits are applicable only to the configuration prior to the completion of the methylal storage tank insulation modifications represented in the permit application (TCEQ Project No. 343486). Within 90 days of the completion of the methylal storage tank insulation modifications represented in the permit application (TCEQ Project No. 343486), the permit holder shall submit an alteration request to the TCEQ Executive Director requesting to remove the MAERT limits.

Date: August 31, 2023

Emission Sources - Maximum Allowable Emission Rates After Methylal Tank Insulation Project (7)

Permit Number 17910

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
124V1491	Methylal Tank V-1491	VOC	129.40	0.32
124V1492	Methylal Tank V-1492	VOC	129.40	0.32
124V1493	Methylal Tank V-1493	VOC	129.40	0.32
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T1-21	T-30021 Scrubber	VOC	0.33	1.45
FT1-01	TO-1 Fugitives (5) (6)	VOC	0.25	1.10
		Methyl Formate	0.02	0.08
T2-17	T-30012 Scrubber (6)	VOC	1.46	6.42
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Emission Sources - Maximum Allowable Emission Rates

- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Methyl formate emissions are not included in the VOC totals for each EPN.
- (7) The MAERT limits are applicable to the configuration after completion of the methylal storage tank insulation modifications represented in the permit application (TCEQ Project No. 343486).

Date: August 31, 2023