

Maximum Allowable Emission Rates Table

Permit Number 21149

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)
TANK-AHYD	Tank 400-223	Acetic Anhydride	<0.01	<0.01
TANK-CHP	Tank 400-222	VOC	0.13	0.01
TANK-EHCL	Tank 400-220	2-Ethyl Hexanoyl Chloride	<0.01	<0.01
TANK-H2O2	Tank 406-202	H ₂ O ₂	0.090	0.013
TANK-ISOP	Tank 400-225	Odorless Mineral Spirits	0.432	0.044
TANK-OMS	Tank 400-224	Odorless Mineral Spirits	0.433	0.050
TANK-PVCL	Tank 400-221	Pivaloyl Chloride	<0.01	<0.01
TANK-SBCF	Tank 401-226	Sec Butyl Chloroformate	<0.01	<0.01
TANK-TBHP	Tank 400-201	Tertiary Butyl Hydroperoxide	0.706	0.221
TANK-TXIB	Tank T-646	2,2,4-Trimethyl-1,3-Pentenediol Diisobutyrate	<0.01	<0.01
TANK-WMO	Tank 400-219	White Mineral Oil	<0.01	<0.01
TNK-MPP-EG	Tank 406-T1101	Ethylene Glycol	<0.01	<0.01
TNK-PER-EG	Tank 403-320	Ethylene Glycol	<0.01	<0.01
TANK-ACID3	Tank 4009-201	H ₂ SO ₄	<0.01	<0.01
TANK-H2SO4	Tank 406-602	H ₂ SO ₄	<0.01	<0.01
TANK-KOH	Tank 406-201	KOH	<0.01	<0.01
TANK-NACL	Tank 403-608	PM ₁₀	0.047	0.003
TANK-NAOH1	Tank 403-204	NaOH	<0.01	<0.01

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TANK-NAOH2	Tank 403-216	NaOH	<0.01	<0.01
TANK-SULF	Tank 400-214	SO ₂	<0.01	<0.01
TANK-FUG	Fugitives (5)	VOC - Acid Chlorides	0.088	0.385
		VOC - Chloroformates	0.017	0.075
		VOC - Alcohols	0.076	0.331
		VOC - Hydroperoxides	0.103	0.450
		VOC - Diluents	0.216	0.945
		VOC - Ketones	0.073	0.319
		VOC - Acetic Anhydride	0.030	0.133
		VOC - Cumene	<0.01	<0.01
		H ₂ O ₂	<0.01	0.012
		SO ₂	<0.01	0.010
OXIDIZER	Oxidizer (TANK-BZCL)	Benzoyl Chloride	<0.01	<0.01
		HCl	0.10	<0.01
OXIDIZER	Oxidizer (TANK-EHCF)	2-Ethyl Hexyl Chloroformate	<0.01	<0.01
OXIDIZER	Oxidizer (TANK-MEK)	Methyl Ethyl Ketone	0.319	0.014
OXIDIZER	Oxidizer (TANK-NDCL)	Neodecanoyl Chloride	<0.01	<0.01
OXIDIZER	Oxidizer (TANK-TBA)	Tertiary Butyl Alcohol	0.375	0.022
OXIDIZER	Oxidizer (TANK-ACID1)	VOC	<0.01	<0.01
		Acetone	<0.01	<0.01
OXIDIZER	Oxidizer (TANK-ACID2)	VOC	<0.01	<0.01
		Acetone	<0.01	<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.

Emission Sources - Maximum Allowable Emission Rates

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- H₂O₂ - hydrogen peroxide
- H₂SO₄ - sulfuric acid
- HCl - hydrogen chloride
- KOH - potassium hydroxide
- NaOH - sodium hydroxide
- SO₂ - sulfur dioxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____