

Emission Sources - Maximum Allowable Emission Rates

Permit Number 21865

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)
MPP-2	Solids Unloading Cabinet V-108	PM ₁₀	0.22	0.61
MPP-3	Dust Collector V-204	PM ₁₀	0.01	0.01
MPP-5	Packout from T-813	VOC	0.02	0.02
MPP-8	Recycle Acid Vessel T-207	Hydrogen Peroxide	0.01	0.01
MPP-9	Packout from T-401	VOC	0.01	0.01
MPP-10	Product Recovery (6)	VOC	0.14	0.10
MPP-WW	Breezeway Trench	VOC	0.31	0.12
MPP-FUG	Piping Fugitives (5)	VOC	2.60	7.21
OXIDIZER	Regenerative Thermal Oxidizer (RTO)	VOC	4.11	4.41
		NO _x	0.19	0.84
		CO	0.16	0.71
		SO ₂	0.01	0.01
		PM	0.02	0.06
		PM ₁₀	0.02	0.06
		PM _{2.5}	0.02	0.06
		HCl	1.12	1.32
		Hydrogen Peroxide	0.01	0.01
PERESTER-5	Bicarbonate Tank 403-301	PM ₁₀	0.01	0.01
PERESTER-8	Recovery Tank 403-340 (6)	VOC	0.03	0.02
PEREST-FUG	Piping Fugitives (5)	VOC	2.35	7.88
PEREST-FUG	Service Area W Emissions from residual liquid on agitator after removal of agitator from tank truck	VOC	0.03	0.02

SITE-WIDE	All Sources at the site	Individual HAP		<10
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	All Sources at the site	Total HAPs		<25
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- (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
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- HCl - hydrogen chloride
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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.
- (6) These are MSS emissions related to end-of-campaign product recovery and storage. No vessel cleaning, atmospheric purging, or de-gassing activates are allowed.

Date: March 1, 2017