

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)
OXIDIZER	Regenerative Thermal Oxidizer	VOC	2.39	3.41
		NO _x	0.03	0.12
		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	0.97	0.78
		Exempt Solvents	0.41	0.59
PPC-C-3	Sodium Carbonate Solution Tank	PM	0.42	0.15
		PM ₁₀	0.42	0.15
		PM _{2.5}	0.42	0.15
PPC-C-6	Tank 41-T121	VOC	0.21	0.02
PPC-C-18	Drying Tank	VOC	0.15	0.01
PPC-C-21	Product Packout	VOC	0.08	0.01
PPC-C-22	Solids Materials Unloading Fan	PM	0.04	0.07
		PM ₁₀	0.04	0.07
		PM _{2.5}	0.04	0.07
TANK-AHYD	Tank 40-T150	VOC	0.01	0.01
TANK-CHP	Tank 40-T020	VOC	0.36	0.01
TANK-ISOP	Tank 40-T010	VOC	1.22	0.04
TANK-OMS	Tank 40-T050	VOC	1.22	0.06
TANK-TBHP	Tank 40-T160	VOC	1.49	0.13
TANK-NACL	Tank 40-T200	PM	0.05	0.01
		PM ₁₀	0.05	0.01
		PM _{2.5}	0.05	0.01

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TANK-SULF	Tank 40-T240	SO ₂	0.01	0.01
TANK-EHCF	Tank 40-T140	VOC	0.01	0.01
TANK-NDCL	Tank 40-T110	VOC	0.01	0.01
TANK-BZCL	Tank 40-T190	VOC	0.01	0.01
TANK-MEK	Tank 40-T170	VOC	0.02	0.01
MPP-2	Solids Unloading Vacuum Pump P-106	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
MPP-3	Solids Unloading Cabinet V-204	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
MPP-4	Tank 46-T240	VOC	0.01	0.01
MPP-5	DTAP & DTBP Packout T-813	VOC	0.01	0.02
MPP-9	Product Packout from T-401	VOC	0.01	0.01
MPP-10	Product Recovery (6)	VOC	0.08	0.01
MPP-20	Tank 46-T110	VOC	0.01	0.01
MPP-21	Tank 46-T120	VOC	0.01	0.01
MPP-WW	Breezeway Trench	VOC	0.35	0.61
		Exempt Solvents	0.01	0.01
PEREST-WW	Perester Wastewater	VOC	0.50	0.24
PERESTER-1	Stack Tank for TAHP	VOC	0.14	0.01
PERESTER-7	Tank 43-T200	VOC	0.01	0.01
PERESTER-8	Recovery Tank 403- 340 (6)	VOC	0.04	0.01
		Exempt Solvents	0.01	0.01
PERCAR-FUG	Percarbonate Unit Process Fugitives (5)	VOC	0.08	0.34
TANK-FUG	Bulk Storage Tank Area Fugitives (5)	VOC	0.47	2.07
MPP-FUG	Piping Fugitives (5)	VOC	0.37	1.29
		Exempt Solvents	0.09	0.33
PEREST-FUG	Piping Fugitives (5)	VOC	1.29	1.56
MPP-7	MPP T-812/ 814 Packout	VOC	0.16	0.28

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	with acetone	Exempt Solvents	0.03	0.04
MPP-LOAD	MPP Packout with acetone	VOC	0.4	0.7
		Exempt Solvents	0.07	0.12
SITE-WIDE	All Sources at the Site	Individual HAP		<10.00
		Total HAPs		<25.00

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - 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
 - CO - carbon monoxide
 - 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: November 12, 2020