

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. 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**
MPP-2 0.61	Solids Unloading Cabinet V-108	PM ₁₀		0.22
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 (5)	VOC	0.14	0.10
MPP-WW	Breezeway Trench	VOC	0.31	0.12
MPP-FUG	Piping Fugitives (4)	VOC	2.60	7.21
OXIDIZER	Regenerative Thermal Oxidizer (RTO)	VOC	4.07	4.41
		NO _x	0.10	0.42
		CO	0.16	0.71
		SO ₂	0.01	0.01
		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

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PERESTER-8	Recovery Tank 403-340 (5)	VOC	0.03	0.02
PEREST-FUG	Piping Fugitives (4)	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 site	Individual HAP		<10
	All sources at site	Total HAPs		<25

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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
 PM₁₀ - particulate matter < 10 microns in diameter
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 HCl - hydrogen chloride
 HAP - Hazardous Air Pollutant
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) These are MSS emissions related to end-of-campaign product recovery and storage. No vessel cleaning, atmospheric purging, or de-gassing activities are allowed.

* 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 annual emission limits is based on a rolling 12-month period.

Dated October 16, 2009