

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1961

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
E01A006	Tank 9701	VOC (7)	0.81	
E01A007	Tank 9702	VOC	0.81	(7)
E14A053	Acetic Acid Absorber	VOC	1.01	0.08
E14A030	Flare	VOC	116.86	36.04
		NO _x	12.44	12.64
		CO	63.59	65.34
E14A047	Tank Manifold System Vent Condenser (5)	Emergency Release Only		
E14A060	Tank No. 11010 (6)	VOC	1.51	(8)
E14A062	Tank No. 11020 (6)	VOC	1.51	(8)
E14A064	Tank No. 11036 (6)	VOC	0.36	0.95
E14A067	Tank No. 11072 (6)	VOC	2.33	1.55
E14A068	Tank No. 11080 (6)	VOC	1.51	(8)
E14A069	Tank No. 11082 (6)	VOC	1.51	(8)
F14A001	VA5 Unit Fugitives (4)	VOC	7.96	34.87

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E14A050	KAC Mix Tank	VOC	0.99	0.03
		Inorganics	< 0.01	< 0.01
E14ANLCO-C	Nalco Center Tank	VOC	< 0.01	< 0.01
E14ANLCO-E	Nalco East Tank	Inorganics	< 0.01	< 0.01
E14ANLCO-W	Nalco West Tank	VOC	< 0.01	< 0.01
E14A022	Carbonate Tank	Inorganics	< 0.01	< 0.01
E14A049	Tank No. 11040	Inorganics	< 0.01	< 0.01
E14A055	Tank No. 11072 Mix Pot	VOC	1.04	0.05
E14A056	Tank No. 11030 Mix Pot	VOC	1.35	0.08
F01A006	IPD Tank Fugitives	VOC	0.21	0.90
F14A001	VA-5 Unit Fugitives	VOC	4.66	20.41
L14A058	Polymer Loading Fugitives	VOC	2.86	0.08
E14A027	VA-5 Polymer Incinerator	VOC		0.21
		0.91		
		PM 0.64	2.82	
		CO 2.18	9.56	
		NO _x 0.98	4.31	
		SO ₂ 0.16	0.50	
W14A001	B.111 WW Fugitives	VOC	0.01	0.04

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W14A002	B.110 WW Fugitives	VOC	1.02	4.46
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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
- PM - particulate matter, suspended in the atmosphere, including PM₁₀
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions from the Tank Manifold System are emergency release only until completion of installation of internal floating roofs (IFR) on all associated storage tanks (see footnote 6) as required by Special Condition No. 6.
- (6) Emissions following installation of an IFR.
- (7) Combined annual emissions for Tanks 9701 and 9702 will not exceed 2.75 tons per year.
- (8) Combined annual emisisions for Tanks 11010, 11020, 11080, and 11082 will not exceed 7.28 tons per year.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day _____ Days/week _____ Weeks/year _____ or Hrs/year 8,760

EMISSIONS SOURCE INFORMATION AND EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Dated _____