

# 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 **
E14A053	Acetic Acid Absorber	VOC	1.01	0.08
E14A030	Flare	VOC (5)	116.86	36.04
		ethylene	36.39	14.52
		NO <sub>x</sub>	12.44	12.64
		CO	63.59	65.34
E01A006	Tank No. 9701	VOC	0.81	—
E01A007	Tank No. 9702	VOC	0.81	—
	Total - Tank Nos. 9701 and 9702		—	2.75
E14A060	Tank No. 11010	VOC	1.51	—
E14A062	Tank No. 11020	VOC	1.51	—
E14A068	Tank No. 11080	VOC	1.51	—
E14A069	Tank No. 11082	VOC	1.51	—
	Total - Tank Nos. 11010, 11020, 11080, and 11082	—		7.28
E14A064	Tank No. 11036	VOC	0.36	0.95
E14A067	Tank No. 11072	VOC	2.33	1.55
E14A050	KAC Mix Tank	VOC	0.99	0.03
		Inorganics	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
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
F01A006	IPD Tank Fugitives	VOC	0.21	0.90
F14A001	VA-5 Unit Fugitives (4)	VOC (5)	4.66	20.41
		ethylene	1.86	8.17
L14A058	Polymer Uncollected Loading Losses	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 <sub>x</sub>	0.98	4.31
		SO <sub>2</sub>	0.16	0.50
W14A001	B.111 WW Fugitives	VOC	0.01	0.04
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<sub>x</sub> - total oxides of nitrogen
    - CO - carbon monoxide
    - SO<sub>2</sub> - sulfur dioxide
    - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>
    - PM<sub>10</sub> - 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) VOC includes ethylene.
- \* Emission rates are based on the facilities operating 8,760 hours/year.
- \*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated October 30, 2006