

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 * | 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> |
| E14A053 | Acetic Acid Absorber | VOC | 0.88 | 0.03 |
| E14A030 | Flare | VOC | 104.47 | 34.11 |
| | | NO _x | 10.37 | 12.20 |
| | | CO | 53.03 | 63.08 |
| E14A047 | Tank Manifold System Vent Condenser (5) | Emergency Release Only | | |
| E14A060 | Tank 11010 (6) | VOC | 1.51 | 1.77 |
| E14A061 | Tank 11012 (6) | VOC | 1.51 | 1.77 |
| E14A062 | Tank 11020 (6) | VOC | 1.51 | 1.77 |
| E14A063 | Tank 11022 (6) | VOC | 1.51 | 1.77 |
| E14A064 | Tank 11036 (6) | VOC | 0.36 | 0.95 |
| E14A065 | Tank 11042 (6) | VOC | 2.33 | 1.55 |
| E14A066 | Tank 11070 (6) | VOC | 2.33 | 1.55 |
| E14A067 | Tank 11072 (6) | VOC | 2.33 | 1.55 |
| E14A068 | Tank 11080 (6) | VOC | 1.51 | 1.24 |
| E14A069 | Tank 11082 (6) | VOC | 1.51 | 1.24 |
| F14A001 | VA5 Unit Fugitives (4) | VOC | 7.96 | 34.87 |

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| 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 11040 | Inorganics | < 0.01 | < 0.01 |
| E14A055 | Tank 11072 Mix Pot | VOC | 1.04 | 0.05 |
| E14A056 | Tank 11030 Mix Pot | VOC | 1.35 | 0.08 |
| L14A058 | Polymer Loading Fugitives | VOC | 13.84 | 0.86 |

- (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 General Rule 101.1
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
- (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 on all associated storage tanks (see footnote 6) as required by Special Condition No. 6.

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(6) Emissions following installation of an internal floating roof.

* 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

Dated_____