

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18926

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) | <u>Emission Rates *</u> | |
|---------------------------|---|-----------------------------|-------------------------|------|
| | | | lb/hr | TPY |
| TK-22 | Nitric Acid Storage Tank | Nitric Acid | 0.67 | 0.01 |
| TK-9 | 16 through 18 percent HAN Reactor Tank Evacuation | Inorganics | 0.01 | 0.01 |
| HAN RX1 | HAN Reactor No. 1 Filling (24 percent HAN Process) | Inorganics | 0.01 | 0.01 |
| HAN RX2 | HAN Reactor No. 2 Filling (24 percent HAN Process) | Inorganics | 0.01 | 0.01 |
| HAN PROD TK | HAN Product Tank Filling (24 percent HAN Process) | Inorganics | 0.01 | 0.01 |
| EVS-1 | Bleach Scrubber | Cl ₂ | 0.01 | 0.03 |
| TK-11 | Acid Neutralization Tank | Inorganics | 0.23 | 0.23 |
| SS-1 | Scrubber No. 1 | VOC | 0.08 | 0.02 |
| | | Inorganics | 0.01 | 0.01 |
| SS-2 | Scrubber No. 2 | VOC | 0.30 | 0.07 |
| WH-1 | Water Heater No. 1 | VOC | 0.01 | 0.01 |
| | | PM | 0.01 | 0.02 |
| | | SO ₂ | 0.01 | 0.01 |
| | | NO _x | 0.16 | 0.68 |
| | | CO | 0.04 | 0.19 |
| WH-2 | Water Heater No. 2 | VOC | 0.01 | 0.02 |
| | | PM | 0.01 | 0.03 |
| | | SO ₂ | 0.01 | 0.01 |

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| | | | lb/hr | TPY |
| | | NO _x | 0.08 | 0.36 |
| | | CO | 0.07 | 0.31 |
| WH-3 | Water Heater No. 3 | VOC | 0.01 | 0.01 |
| | | PM | 0.01 | 0.02 |
| | | SO ₂ | 0.01 | 0.01 |
| | | NO _x | 0.16 | 0.68 |
| | | CO | 0.04 | 0.19 |
| WH-4 | Water Heater No. 4 | VOC | 0.01 | 0.02 |
| | | PM | 0.01 | 0.03 |
| | | SO ₂ | 0.01 | 0.01 |
| | | NO _x | 0.18 | 0.79 |
| | | CO | 0.08 | 0.34 |
| WH-5 | Water Heater No. 5 | VOC | 0.01 | 0.02 |
| | | PM | 0.01 | 0.03 |
| | | SO ₂ | 0.01 | 0.01 |
| | | NO _x | 0.08 | 0.35 |
| | | CO | 0.07 | 0.29 |
| WH-6 | Water Heater No. 6 | VOC | 0.01 | 0.01 |
| | | PM | 0.01 | 0.01 |
| | | SO ₂ | 0.01 | 0.01 |
| | | NO _x | 0.08 | 0.36 |
| | | CO | 0.02 | 0.10 |
| PLANT FUG | Fugitives (4) | VOC | 0.30 | 0.05 |
| | | Inorganics | 0.04 | 0.02 |
| | | Cl ₂ | 0.01 | 0.01 |
| | | PM | 0.01 | 0.01 |
| MSS-CR | Cell Rebuilds | VOC | 0.01 | 0.01 |
| | | Inorganics | 0.01 | 0.01 |
| MSS-FR | Filter Replacements | VOC | 0.01 | 0.01 |
| | | Inorganics | 0.01 | 0.01 |

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| | | | lb/hr | TPY |
| MSS-PC | Process Cleanout | VOC | 0.01 | 0.01 |
| MSS-SR | Scrubber Fluid Replacement | HCl | 0.04 | 0.01 |
| | | NaOH | 0.01 | 0.01 |
| MSS-EM | Eductor Maintenance | Inorganics | 0.01 | 0.01 |
| MSS-PM | Pump Maintenance | VOC | 0.01 | 0.01 |
| | | Inorganics | 0.01 | 0.01 |

- (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) Inorganics- include hydrochloric acid, sulfuric acid, hydrobromic acid, hydrofluoric acid, fluoboric acid, nitric acid, hydroxyl amine, sodium hydroxide, sodium hypochlorite, and bromine
- Cl₂ - chlorine
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- 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 PM greater than 10 microns is emitted.
- SO₂ - sulfur dioxide
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- NaOH - sodium hydroxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

- ** Emission rates are based on a continuous operating schedule. Compliance with annual emission limits is based on a rolling 12-month period.

Dated TBD