

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 9276 and PSDTX499M1

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, sources, and related activities. 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 | |
|------------------------|---|-----------------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| 10 | Boiler Stack 1630 MMBtu/hr (7) | NO _x | 300.00 | 394.20 |
| | | CO | 1200.00 | 2365.20 |
| | | VOC | 1.85 | 8.10 |
| | | PM-Dry | 0.42 | 1.84 |
| | | PM-H ₂ SO ₄ | 21.67 | 94.91 |
| | | SO ₂ | 1400.00 | 5518.80 |
| | | NH ₃ | 3.44 | 11.60 |
| 1 | Fugitive Coke Unloading (5) | PM | 0.04 | 0.20 |
| 3 | Fugitive Coke Handling (5) | PM | - | 0.02 |
| 4 | Limestone Unloading | PM | - | 0.06 |
| 6 | Limestone Handling | PM | - | 0.01 |
| 7 | Limestone Slurry Preparation | PM | - | 0.04 |
| 8 | Fugitive Fly Ash Handling (5) | PM | - | 0.70 |
| 9 | Fugitive Gypsum Handling (5) | PM | - | 0.40 |
| 11 | Fly Ash Rail Transportation System | PM | <0.01 | <0.01 |
| FUG-AMM | Fugitive Ammonia (5,6) | NH ₃ | 0.02 | 0.09 |
| TK01-S | Molten Sulfur Storage Tank | H ₂ S | 0.01 | 0.01 |
| FUG-MSS | Sitewide MSS Emissions (Small Equipment Maintenance) | NH ₃ | 0.19 | 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.

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- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
PM-dry - filterable particulate matter
CO - carbon monoxide
H₂SO₄ - sulfuric acid
NH₃ - ammonia
H₂S - hydrogen sulfide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Ammonia fugitive emissions include fugitive emissions from TK-002, TK-003, and TK-004 which were previously authorized under Permit by Rule Registration Number 46496.
- (7) The lb/hr and tpy emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities

Date: _____