

Emission Sources - Maximum Allowable Emission Rates

Permit Number 75018

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 (6) | |
|---------------------------|--|--------------------------|--------------------|---------|
| | | | lbs/hour | TPY (4) |
| 2 | Hot Oil Heater 1 Stack | PM | 0.02 | 0.07 |
| | | PM ₁₀ | 0.02 | 0.07 |
| | | PM _{2.5} | 0.02 | 0.07 |
| | | VOC | 0.01 | 0.05 |
| | | NO _x | 0.21 | 0.92 |
| | | CO | 0.18 | 0.77 |
| | | SO ₂ | <0.01 | 0.01 |
| 3 | Whippany Chemical and Clay Mixers Baghouse Stack | PM | 3.90 | 0.29 |
| | | PM ₁₀ | 3.90 | 0.29 |
| | | PM _{2.5} | 3.90 | 0.29 |
| 5 | Chemical and Clay Emulsion Plant Baghouse Stack | PM | 3.90 | 0.24 |
| | | PM ₁₀ | 3.90 | 0.24 |
| | | PM _{2.5} | 3.90 | 0.24 |
| 7 | Tank Farm (16 Tanks) (5) | VOC | 5.63 | 0.15 |
| 8 | White Plant Mixing Vessels (5) | PM | 3.50 | 0.75 |
| | | PM ₁₀ | 3.50 | 0.75 |
| | | PM _{2.5} | 3.50 | 0.75 |
| 11 | Asphalt Piping Components (Valves, Flanges, Pumps) (5) | VOC | 0.24 | 1.00 |
| 12 | Sand Silo Pneumatic Loading Bin Vent | PM | 0.13 | 0.28 |
| | | PM ₁₀ | 0.04 | 0.10 |
| | | PM _{2.5} | 0.04 | 0.10 |

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|----|---|-------------------|-------|-------|
| 13 | Lime Silo Pneumatic Loading Bin Vent | PM | 0.13 | 0.28 |
| | | PM ₁₀ | 0.04 | 0.10 |
| | | PM _{2.5} | 0.04 | 0.10 |
| 14 | Thermal Oxidizer Stack (Asphalt Mixing, Asphalt Holding Tanks, Asphalt Application) | PM | 0.23 | 0.89 |
| | | PM ₁₀ | 0.23 | 0.89 |
| | | PM _{2.5} | 0.23 | 0.89 |
| | | VOC | 0.75 | 3.29 |
| | | NO _x | 0.09 | 0.39 |
| | | CO | 0.43 | 1.87 |
| | | SO ₂ | <0.01 | <0.01 |
| | | HAPS | 0.01 | 0.03 |
| | | H ₂ S | 0.01 | 0.04 |
| 15 | Granule Application Baghouse Stack | PM | 0.01 | 0.03 |
| | | PM ₁₀ | <0.01 | 0.01 |
| | | PM _{2.5} | <0.01 | 0.01 |
| 16 | Hot Oil Heater 2 Stack | PM | 0.03 | 0.13 |
| | | PM ₁₀ | 0.03 | 0.13 |
| | | PM _{2.5} | 0.03 | 0.13 |
| | | VOC | 0.02 | 0.09 |
| | | NO _x | 0.20 | 0.86 |
| | | CO | 0.33 | 1.44 |
| | | SO ₂ | <0.01 | 0.01 |
| 17 | Steam Boiler Stack | PM | 0.05 | 0.21 |
| | | PM ₁₀ | 0.05 | 0.21 |
| | | PM _{2.5} | 0.05 | 0.21 |
| | | VOC | 0.04 | 0.15 |
| | | NO _x | 0.32 | 1.40 |
| 17 | Steam Boiler Stack | CO | 0.54 | 2.34 |
| | | SO ₂ | <0.01 | 0.02 |

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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 |
| SO ₂ | - sulfur dioxide |
| PM | - total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented |
| PM ₁₀ | - 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 |
| CO | - carbon monoxide |
| HAP | - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C |
| H ₂ S | - 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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: April 28, 2016