

Emission Sources - Maximum Allowable Emission Rates

Permit Number 17448

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) |
| F1 | Raw Clay Stockpile (5) | PM | -.-- | 0.14 |
| | | PM ₁₀ | -.-- | 0.07 |
| | | PM _{2.5} | -.-- | 0.01 |
| F2 | Material Handling / Shredded Material Shed (5) | PM | 0.06 | 0.12 |
| | | PM ₁₀ | 0.02 | 0.06 |
| | | PM _{2.5} | <0.01 | 0.01 |
| F3 | Material Handling / Clay (5) | PM | 0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | PM _{2.5} | <0.01 | <0.01 |
| S1 | Dryer Dust Collector Stack (DC-123) | PM | 2.31 | 10.14 |
| | | PM ₁₀ | 2.31 | 10.14 |
| | | PM _{2.5} | 2.31 | 10.14 |
| | | SO ₂ | 0.01 | 0.06 |
| | | NO _x | 2.45 | 10.73 |
| | | VOC | 0.13 | 0.59 |
| | | CO | 2.06 | 9.02 |
| S2 | Cooler Discharge Dust Collection Stack (DC-114) | PM | 0.18 | 0.79 |
| | | PM ₁₀ | 0.18 | 0.79 |
| | | PM _{2.5} | 0.18 | 0.79 |

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|----|--|-------------------|-------|-------|
| S3 | Clay Handling / Rail Loadout Dust Collector Stack (DC-119) | PM | 0.17 | 0.75 |
| | | PM ₁₀ | 0.17 | 0.75 |
| | | PM _{2.5} | 0.17 | 0.75 |
| F4 | Scrap Tile Handling (5) | PM | <0.01 | 0.02 |
| | | PM ₁₀ | <0.01 | 0.01 |
| | | PM _{2.5} | <0.01 | <0.01 |
| F5 | Rail Unloading (5) | PM | 0.04 | 0.17 |
| | | PM ₁₀ | 0.01 | 0.02 |
| | | PM _{2.5} | <0.01 | <0.01 |
| S4 | Rail Delivery Dust Collector Stack (DC-013) | PM | 0.11 | 0.49 |
| | | PM ₁₀ | 0.11 | 0.49 |
| | | PM _{2.5} | 0.11 | 0.49 |
| S5 | Calcium Carbonate Silo SI-R10 Dust Collector Stack (DC-011) | PM | 0.06 | 0.28 |
| | | PM ₁₀ | 0.06 | 0.28 |
| | | PM _{2.5} | 0.06 | 0.28 |
| S6 | Soap and Ball Clay Silo SI-R9 Dust Collector Stack (DC-012) | PM | 0.13 | 0.56 |
| | | PM ₁₀ | 0.13 | 0.56 |
| | | PM _{2.5} | 0.13 | 0.56 |
| S7 | Soap and Ball Clay Silos SI-R1, SI-R2, SI-R3 and SI-R4 Dust Collector Stack (DC-010) | PM | 0.39 | 1.69 |
| | | PM ₁₀ | 0.39 | 1.69 |
| | | PM _{2.5} | 0.39 | 1.69 |
| S8 | Silos SI-R5, SI-R6, and SI-R7 and Transport FE-33 and 34 Dust Collector Stack (DC-017) | PM | 0.19 | 0.84 |
| | | PM ₁₀ | 0.19 | 0.84 |
| | | PM _{2.5} | 0.19 | 0.84 |
| F6 | Raw Materials Handling (5) | PM | 0.11 | 0.53 |
| | | PM ₁₀ | 0.09 | 0.41 |

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|-----|--|-------------------|-------|-------|
| | | PM _{2.5} | 0.08 | 0.34 |
| S9 | Mill Feed System Dust Collector Stack (DC-044) | PM | 0.17 | 0.75 |
| | | PM ₁₀ | 0.17 | 0.75 |
| | | PM _{2.5} | 0.17 | 0.75 |
| F7 | Mill Feed System (5) | PM | 0.02 | 0.11 |
| | | PM ₁₀ | 0.02 | 0.09 |
| | | PM _{2.5} | 0.02 | 0.08 |
| S10 | Dryer and Rod Mill Units Dust Collector Stack (DC-058) | PM | 1.80 | 7.88 |
| | | PM ₁₀ | 1.80 | 7.88 |
| | | PM _{2.5} | 1.80 | 7.88 |
| | | SO ₂ | <0.01 | <0.01 |
| | | NO _x | 0.15 | 0.64 |
| | | VOC | 0.01 | 0.04 |
| | | CO | 0.12 | 0.54 |
| S11 | Product Silo SI-P1 Dust Collector Stack (DC-070) | PM | 0.06 | 0.28 |
| | | PM ₁₀ | 0.06 | 0.28 |
| | | PM _{2.5} | 0.06 | 0.28 |
| S12 | Product Silo SI-P2 Dust Collector Stack (DC-069) | PM | 0.06 | 0.28 |
| | | PM ₁₀ | 0.06 | 0.28 |
| | | PM _{2.5} | 0.06 | 0.28 |
| S13 | Product Silo SI-P3 Dust Collector Stack (DC-071) | PM | 0.06 | 0.28 |
| | | PM ₁₀ | 0.06 | 0.28 |
| | | PM _{2.5} | 0.06 | 0.28 |
| S14 | Product Silo SI-P4 Dust Collector Stack (DC-073) | PM | 0.06 | 0.28 |
| | | PM ₁₀ | 0.06 | 0.28 |
| | | PM _{2.5} | 0.06 | 0.28 |
| S15 | Product Silo SI-P5 Dust Collector Stack | PM | 0.24 | 0.89 |

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|-----|---|-------------------|------|------|
| | | PM ₁₀ | 0.34 | 0.89 |
| | | PM _{2.5} | 0.34 | 0.89 |
| S16 | Mill Rail Bin Loading Dust Collector Stack (DC-090) | PM | 0.06 | 0.28 |
| | | PM ₁₀ | 0.06 | 0.28 |
| | | PM _{2.5} | 0.06 | 0.28 |
| S17 | Mill Rail Bin Loading Dust Collector Stack (DC-093) | PM | 0.14 | 0.62 |
| | | PM ₁₀ | 0.14 | 0.62 |
| | | PM _{2.5} | 0.14 | 0.62 |
| S18 | Product Loadout Dust Collector Stack (DC-072) | PM | 0.12 | 0.53 |
| | | PM ₁₀ | 0.12 | 0.53 |
| | | PM _{2.5} | 0.12 | 0.53 |
| S19 | Mill Bagging Dust Collector Stack (DC-124) | PM | 0.32 | 1.39 |
| | | PM ₁₀ | 0.32 | 1.39 |
| | | PM _{2.5} | 0.32 | 1.39 |

- (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) 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
 - SO₂
 - sulfur dioxide
 - NO_x
 - total oxides of nitrogen
 - VOC
 - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - CO
 - carbon monoxide
- (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: August 6, 2014