

Emission Sources - Maximum Allowable Emission Rates

Permit Number 155474

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) |
| E-HOPPERF | Truck Unloading Hopper Fugitives (5) | PM | 0.67 | 0.83 |
| | | PM ₁₀ | 0.13 | 0.16 |
| | | PM _{2.5} | 0.01 | 0.02 |
| E-BREAKF | Feeder-Breaker Fugitives (5) | PM | 4.80 | 7.00 |
| | | PM ₁₀ | 0.91 | 1.33 |
| | | PM _{2.5} | 0.10 | 0.14 |
| E-UNLDCNVF | Unloading Conveyor Fugitives (5) | PM | 0.86 | 1.25 |
| | | PM ₁₀ | 0.16 | 0.24 |
| | | PM _{2.5} | 0.02 | 0.03 |
| E-RDLCNVF | Radial Stacking Conveyor Fugitives (5) | PM | 0.86 | 1.25 |
| | | PM ₁₀ | 0.16 | 0.24 |
| | | PM _{2.5} | 0.02 | 0.03 |
| E-RDLPILF | Radial Stackout Pile Fugitives (5) (6) | PM | 4.61 | 6.73 |
| | | PM ₁₀ | 0.88 | 1.28 |
| | | PM _{2.5} | 0.09 | 0.13 |
| E-PSF | Primary Sampler Fugitives (5) | PM | 0.01 | 0.03 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | PM _{2.5} | <0.01 | <0.01 |
| E-PSBF | Primary Sample Belt Discharge Fugitives (5) | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | PM _{2.5} | <0.01 | <0.01 |
| E-SCF | Sample Crusher Fugitives (5) | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | PM _{2.5} | <0.01 | <0.01 |

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| | | | | |
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| E-SSF | Secondary Sampler Fugitives (5) | PM | 0.01 | 0.03 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | PM _{2.5} | <0.01 | <0.01 |
| E-SSBF | Secondary Sample Belt (5) | PM | <0.01 | 0.03 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | PM _{2.5} | <0.01 | <0.01 |
| E-ELF | Contingency Loading Fugitives (5) | PM | 4.77 | 1.67 |
| | | PM ₁₀ | 0.91 | 0.32 |
| | | PM _{2.5} | 0.10 | 0.03 |
| E-FWPPENG | Firewater Pump Engine | PM | 0.55 | 0.03 |
| | | PM ₁₀ | 0.55 | 0.03 |
| | | PM _{2.5} | 0.55 | 0.03 |
| | | VOC | 0.63 | 0.03 |
| | | NO _x | 7.75 | 0.39 |
| | | CO | 1.67 | 0.08 |
| | | SO ₂ | 1.01 | 0.05 |
| E-FWPDNTKV | Firewater Pump Diesel Tank | VOC | 0.02 | <0.01 |
| MSSFUG | Miscellaneous Maintenance Fugitives (5) | PM | 0.86 | 0.04 |
| | | PM ₁₀ | 0.86 | 0.04 |
| | | PM _{2.5} | 0.86 | 0.04 |
| E-RCLMFDRF | Reclaim Feeders 1 & 2 (transfers to Reclaim Conveyor 1) (5) | PM | 1.72 | 1.67 |
| | | PM ₁₀ | 0.33 | 0.32 |
| | | PM _{2.5} | 0.03 | 0.03 |
| E-RCLMC1F | Reclaim Conveyor 1 (into Silo 1 or onto Silo Feed) (5) | PM | 0.43 | 0.42 |
| | | PM ₁₀ | 0.08 | 0.08 |
| | | PM _{2.5} | 0.01 | 0.01 |
| E-SFCNVF | Silo Feed Conveyor (transfer into Silo 2) (5) | PM | 0.43 | 0.42 |
| | | PM ₁₀ | 0.08 | 0.08 |

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| | | | | |
|---------------------|---|-------------------|------|------|
| | | PM _{2.5} | 0.01 | 0.01 |
| E-SILO1DCV | Loadout Silo 1 Dust Control Vent (Optional Control) | PM | 0.47 | 2.06 |
| | | PM ₁₀ | 0.47 | 2.06 |
| | | PM _{2.5} | 0.47 | 2.06 |
| E-SILO2DCV | Loadout Silo 2 Dust Control Vent (Optional Control) | PM | 0.47 | 2.06 |
| | | PM ₁₀ | 0.47 | 2.06 |
| | | PM _{2.5} | 0.47 | 2.06 |
| E-LOAD1F | Silo 1 Railcar Loading Fugitives (5) | PM | 0.43 | -- |
| | | PM ₁₀ | 0.08 | -- |
| | | PM _{2.5} | 0.01 | -- |
| E-LOAD2F | Silo 2 Railcar Loading Fugitives (5) | PM | 0.43 | -- |
| | | PM ₁₀ | 0.08 | -- |
| | | PM _{2.5} | 0.01 | -- |
| E-LOAD1F & E-LOAD2F | Silo 1 and Silo 2 Railcar Loading Fugitives Cap (5) | PM | -- | 0.42 |
| | | PM ₁₀ | -- | 0.08 |
| | | PM _{2.5} | -- | 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) 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
 - 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) Emissions quantified include emissions from all typical operations of an open storage pile (e.g., loading, unloading, shaping, compacting, and upkeep).

Date: October 25, 2023