

Emission Sources - Maximum Allowable Emission Rates

Permit Number 3564

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) |
| R1 | Rail Receiving Pit (5) | PM | 1.70 | -- |
| | | PM ₁₀ | 0.25 | -- |
| | | PM _{2.5} | 0.04 | -- |
| R2 | Truck Receiving Pit No. 1 (5) | PM | 1.70 | -- |
| | | PM ₁₀ | 0.25 | -- |
| | | PM _{2.5} | 0.04 | -- |
| R3 | Truck Receiving Pit No. 2 (5) | PM | 0.85 | -- |
| | | PM ₁₀ | 0.13 | -- |
| | | PM _{2.5} | 0.02 | -- |
| R4 | Truck Receiving Pit No. 3 (5) | PM | 1.28 | -- |
| | | PM ₁₀ | 0.19 | -- |
| | | PM _{2.5} | 0.03 | -- |
| | Total Receiving Operations (5) | PM | -- | 2.04 |
| | | PM ₁₀ | -- | 0.30 |
| | | PM _{2.5} | -- | 0.05 |
| FI-1 | R2 Truck Receiving Bag Filter | PM | 1.29 | 5.63 |
| | | PM ₁₀ | 1.29 | 5.63 |
| | | PM _{2.5} | 1.29 | 5.63 |
| FI-2 | Truck Pneumatic Receiving Bag Filter | PM | 0.12 | 0.53 |
| | | PM ₁₀ | 0.12 | 0.53 |
| | | PM _{2.5} | 0.12 | 0.53 |
| C-3 | Landers Pellet Mill Cooler Cyclones | PM | 3.00 | -- |
| | | PM ₁₀ | 1.50 | -- |
| | | PM _{2.5} | 0.25 | -- |

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| | | | | |
|--------|-------------------------------------|-------------------|------|-------|
| C-4 | CPM Pellet Mill Cooler Cyclones | PM | 4.50 | -- |
| | | PM ₁₀ | 2.25 | -- |
| | | PM _{2.5} | 0.38 | -- |
| C-8 | Landers Pellet Mill Cooler Cyclones | PM | 3.00 | -- |
| | | PM ₁₀ | 1.50 | -- |
| | | PM _{2.5} | 0.25 | -- |
| | Total Pellet Mill Operations | PM | -- | 12.75 |
| | | PM ₁₀ | -- | 6.38 |
| | | PM _{2.5} | -- | 1.08 |
| C-5 | Mill Crimper No. 1 | PM | 0.17 | -- |
| | | PM ₁₀ | 0.08 | -- |
| | | PM _{2.5} | 0.01 | -- |
| C-5 | Mill Crimper No. 2 | PM | 0.17 | -- |
| | | PM ₁₀ | 0.08 | -- |
| | | PM _{2.5} | 0.01 | -- |
| C-6 | Mill Chopper/ Grinder Cyclone | PM | 1.21 | -- |
| | | PM ₁₀ | 0.60 | -- |
| | | PM _{2.5} | 0.10 | -- |
| | Total Milling Operations | PM | -- | 3.18 |
| | | PM ₁₀ | -- | 1.59 |
| | | PM _{2.5} | -- | 0.27 |
| C-7 | Grain Cleaner Cyclone | PM | 1.50 | 9.00 |
| | | PM ₁₀ | 0.38 | 2.28 |
| | | PM _{2.5} | 0.06 | 0.39 |
| Case 1 | Boiler No. 2 (Backup Boiler) | PM | 0.04 | 0.12 |
| | | PM ₁₀ | 0.04 | 0.12 |
| | | PM _{2.5} | 0.04 | 0.12 |
| | | VOC | 0.03 | 0.09 |
| | | NO _x | 0.50 | 1.50 |

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| | | | | |
|-------------------------|---------------------------------|-------------------|--------|-------|
| | | CO | 0.42 | 1.25 |
| | | SO ₂ | < 0.01 | <0.01 |
| Case 2 (Backup Fuel) | Boiler No. 2 (Backup Boiler) | PM | 0.15 | 0.17 |
| | | PM ₁₀ | 0.15 | 0.17 |
| | | PM _{2.5} | 0.15 | 0.17 |
| | | VOC | 0.04 | 0.10 |
| | | NO _x | 1.76 | 2.13 |
| | | CO | 0.36 | 1.39 |
| | | SO ₂ | 3.46 | 1.25 |
| LR1 | Rail Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| LR2 | Rail Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| LT1 | Truck Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| LT2 | Truck Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| LT3 | Truck Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| LT4 | Truck Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| LT5 | Truck Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |

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| | | | | |
|------|--|-------------------|-------|----|
| | | PM _{2.5} | 0.01 | -- |
| LB1 | Bagging Station (5) | PM | 0.07 | -- |
| | | PM ₁₀ | 0.02 | -- |
| | | PM _{2.5} | <0.01 | -- |
| | | | | |
| LB2 | Bagging Station (5) | PM | 0.07 | -- |
| | | PM ₁₀ | 0.02 | -- |
| | | PM _{2.5} | <0.01 | -- |
| | | | | |
| LB3 | Bagging Station (5) | PM | 0.03 | -- |
| | | PM ₁₀ | 0.01 | -- |
| | | PM _{2.5} | <0.01 | -- |
| | | | | |
| LBU1 | Bulk Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| | | | | |
| LBU2 | Bulk Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| | | | | |
| LBU3 | Bulk Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| | | | | |
| LBU4 | Bulk Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| | | | | |
| LBU5 | Bulk Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| | | | | |
| LBU6 | Bulk Loadout (5) | PM | 0.17 | -- |
| | | PM ₁₀ | 0.04 | -- |
| | | PM _{2.5} | 0.01 | -- |
| | | | | |
| | Portable Auger (Backup Loadout) (5) | PM | 0.13 | -- |

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| | | | | |
|--|------------------------------|-------------------|------|------|
| | | PM ₁₀ | 0.03 | -- |
| | | PM _{2.5} | 0.01 | -- |
| | Total Loadout Operations (5) | PM | -- | 0.40 |
| | | PM ₁₀ | -- | 0.10 |
| | | PM _{2.5} | -- | 0.02 |

- (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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: March 29, 2019