

Emission Sources - Maximum Allowable Emission Rates

Permit Number 21408

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 (5) | |
|---------------------------|--|--------------------------|--------------------|---------|
| | | | lbs/hour | TPY (4) |
| ULF001 | Pit No. 40 Receiving | PM | 14.97 | 1.96 |
| | | PM ₁₀ | 7.48 | 0.98 |
| ULF002 | Pit No. 30 Receiving | PM | 14.97 | 1.96 |
| | | PM ₁₀ | 7.48 | 0.98 |
| ULF003 | Bulk Storage Receiving Bin | PM | 14.76 | 1.96 |
| | | PM ₁₀ | 7.38 | 0.98 |
| CCF001 | Pit No. 50 Receiving | PM | 2.52 | 1.96 |
| | | PM ₁₀ | 1.26 | 0.98 |
| DRF003 | Portable Bin Dryer No. 1 Receiving | PM | 0.05 | 1.96 |
| | | PM ₁₀ | 0.03 | 0.98 |
| DRF004 | Portable Bin Dryer No. 2 Receiving | PM | 0.05 | 1.96 |
| | | PM ₁₀ | 0.03 | 0.98 |
| DRF005 | Bin Dryer No. 9 Receiving | PM | 0.76 | 1.96 |
| | | PM ₁₀ | 0.38 | 0.98 |
| DRF006 | Bin Dryer No. 8 Receiving | PM | 0.76 | 1.96 |
| | | PM ₁₀ | 0.38 | 0.98 |
| DRF007 | Bin Dryer No. 7 Receiving | PM | 0.57 | 1.96 |
| | | PM ₁₀ | 0.28 | 0.98 |
| | Total Annual Bulk Receiving Operations | PM | -- | 1.96 |
| | | PM ₁₀ | -- | 0.98 |

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| | | | | |
|--------|---|------------------|-------|-------|
| CC0001 | System No. 1 and 2 Bag Filter Stack | PM | 2.09 | 0.16 |
| | | PM ₁₀ | 2.09 | 0.16 |
| TR0001 | System No. 3 Red Dust and Rebag Cartridge Filter Stack | PM | 1.70 | 1.11 |
| | | PM ₁₀ | 1.70 | 1.11 |
| CC0002 | System No. 4 Gravity Table Cartridge Filter Stack | PM | 1.71 | 1.12 |
| | | PM ₁₀ | 1.71 | 1.12 |
| CC0003 | System No. 5 Gravity Table Cartridge Filter Stack | PM | 1.71 | 1.12 |
| | | PM ₁₀ | 1.71 | 1.12 |
| CC0004 | System No. 6 Seed Stock Bag Filter Stack | PM | 1.25 | 0.02 |
| | | PM ₁₀ | 1.25 | 0.02 |
| CC0004 | System No. 7 Seed Stock Bag Filter Stack | PM | 1.25 | 0.02 |
| | | PM ₁₀ | 1.25 | 0.02 |
| CC0005 | System No. 8 Seed Stock Gravity Table Cartridge Filter Stack | PM | 1.03 | 0.01 |
| | | PM ₁₀ | 1.03 | 0.01 |
| QA0001 | Quality Assurance Cyclone System | PM | <0.01 | <0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| PCF001 | Precleaning | PM | 5.04 | 0.66 |
| | | PM ₁₀ | 2.52 | 0.33 |
| PC0001 | Precleaning Cyclone System | PM | 33.06 | 4.40 |
| | | PM ₁₀ | 33.06 | 4.40 |
| ULF001 | Pit No. 40 Loadout | PM | 7.56 | -- |
| | | PM ₁₀ | 3.78 | -- |
| ULF002 | Pit No. 30 Loadout | PM | 7.56 | -- |
| | | PM ₁₀ | 3.78 | -- |

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| | | | | |
|--------|----------------------------------|------------------|-------|-------|
| ULF003 | Bulk Storage Bin Loadout | PM | 3.24 | -- |
| | | PM ₁₀ | 1.62 | -- |
| DRF001 | Column Dryer No. 1 Loadout | PM | 1.21 | -- |
| | | PM ₁₀ | 0.61 | -- |
| DRF002 | Column Dryer No. 2 Loadout | PM | 1.08 | -- |
| | | PM ₁₀ | 0.54 | -- |
| DRF003 | Portable Bin Dryer No. 1 Loadout | PM | 0.03 | -- |
| | | PM ₁₀ | 0.01 | -- |
| DRF004 | Portable Bin Dryer No. 2 Loadout | PM | 0.03 | -- |
| | | PM ₁₀ | 0.01 | -- |
| DRF005 | Bin Dryer No. 9 Loadout | PM | 0.15 | -- |
| | | PM ₁₀ | 0.07 | -- |
| DRF006 | Bin Dryer No. 8 Loadout | PM | 0.15 | -- |
| | | PM ₁₀ | 0.07 | -- |
| DRF007 | Bin Dryer No. 7 Loadout | PM | 0.57 | -- |
| | | PM ₁₀ | 0.28 | -- |
| | Total Annual Loadout Operations | PM | -- | 1.98 |
| | | PM ₁₀ | -- | 0.99 |
| DRF001 | Column Dryer No. 1 | PM | <0.01 | <0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | VOC | <0.01 | <0.01 |
| DRF001 | Column Dryer No. 1 | NO _x | 0.17 | 0.05 |
| | | CO | 0.03 | 0.12 |
| | | SO ₂ | <0.01 | <0.01 |
| DRF002 | Column Dryer No. 2 | PM | <0.01 | <0.01 |

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| | | | | |
|--------|-------------------------|------------------|-------|-------|
| | | PM ₁₀ | <0.01 | <0.01 |
| | | VOC | <0.01 | <0.01 |
| | | NO _x | 0.05 | 0.01 |
| | | CO | 0.01 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |
| DRF003 | Portable Dryer No. 1 | PM | <0.01 | <0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | VOC | <0.01 | <0.01 |
| | | NO _x | 0.02 | <0.01 |
| | | CO | <0.01 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |
| DRF004 | Portable Dryer No. 2 | PM | <0.01 | <0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | VOC | <0.01 | <0.01 |
| | | NO _x | 0.02 | <0.01 |
| | | CO | <0.01 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |
| DRF005 | Storage Bin Dryer No. 9 | PM | <0.01 | <0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | VOC | <0.01 | <0.01 |
| | | NO _x | 0.02 | <0.01 |
| | | CO | <0.01 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |

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| | | | | |
|--------|---------------------------------------|------------------|-------|-------|
| DRF006 | Storage Bin Dryer No. 8 | PM | <0.01 | <0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | VOC | <0.01 | <0.01 |
| | | NO _x | 0.02 | <0.01 |
| | | CO | <0.01 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |
| DRF007 | Storage Bin Dryer No. 7 | PM | <0.01 | <0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| | | VOC | <0.01 | <0.01 |
| | | NO _x | 0.02 | <0.01 |
| | | CO | <0.01 | <0.01 |
| | | SO ₂ | <0.01 | <0.01 |
| FM001 | Fumigation Chambers 1 through 4 | PH ₃ | 0.07 | <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
- CO - carbon monoxide
- PH₃ - phosphine
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Dated: June 17, 2013