

Emission Sources - Maximum Allowable Emission Rates

Permit Number 3458

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) |
| C-10 | Input Surge Tank, Dryer, and Transfer to Acid Tank Cyclone | PM | 3.61 | 10.84 |
| | | PM ₁₀ | 3.61 | 10.84 |
| | | PM _{2.5} | 3.61 | 10.84 |
| | | NO _x | 0.78 | 2.35 |
| | | CO | 0.66 | 1.98 |
| | | VOC | 0.04 | 0.13 |
| | | SO ₂ | 0.01 | 0.01 |
| C-11 | Gravity Table Separator Cyclone | PM | 6.43 | 19.29 |
| | | PM ₁₀ | 6.43 | 19.29 |
| | | PM _{2.5} | 6.43 | 19.29 |
| C-12 | Seed Packaging Cyclone #1 | PM | 1.39 | 4.17 |
| | | PM ₁₀ | 1.39 | 4.17 |
| | | PM _{2.5} | 1.39 | 4.17 |
| C-17 | Seed Packaging (Bulk Aspiration) Cyclone #2 | PM | 1.39 | 4.17 |
| | | PM ₁₀ | 1.39 | 4.17 |
| | | PM _{2.5} | 1.39 | 4.17 |
| C12, C17 | Total Allowable Hourly and Annual Emissions for the Combined Operation of Seed Packaging Cyclone #1 and Seed Packaging (Bulk Aspiration) Cyclone #2 | PM | 1.39 | 4.17 |
| | | PM ₁₀ | 1.39 | 4.17 |
| | | PM _{2.5} | 1.39 | 4.17 |

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| | | | | |
|----------|---|-------------------|------|------|
| C-14 | Cull Bin Cyclone | PM | 0.26 | 0.76 |
| | | PM ₁₀ | 0.26 | 0.76 |
| | | PM _{2.5} | 0.26 | 0.76 |
| C-15 | Cleaner Cyclone | PM | 2.16 | 6.48 |
| | | PM ₁₀ | 2.16 | 6.48 |
| | | PM _{2.5} | 2.16 | 6.48 |
| C-16 | Black Seed Bins Cyclone | PM | 0.18 | 0.29 |
| | | PM ₁₀ | 0.18 | 0.29 |
| | | PM _{2.5} | 0.05 | 0.08 |
| BAG-2 | Acid Tank, Buffing Reel C, Cleaner, Gravity Tables, Seed Treater, and Treated Seed Bins Baghouse Stack | PM | 0.89 | 2.67 |
| | | PM ₁₀ | 0.89 | 2.67 |
| | | PM _{2.5} | 0.89 | 2.67 |
| | | NH ₃ | 0.17 | 0.28 |
| BAG-2 | Acid Tank, Buffing Reel C, Cleaner, Gravity Tables, Seed Treater, and Treated Seed Bins Baghouse Startup and Shutdown Emissions | NH ₃ | 7 | 0.61 |
| BAG-3 | Buffing Reel A Baghouse Stack | PM | 0.26 | 0.77 |
| | | PM ₁₀ | 0.26 | 0.77 |
| | | PM _{2.5} | 0.26 | 0.77 |
| | | NH ₃ | 0.08 | 0.14 |
| BAG-3 | Buffing Reel A Baghouse Startup and Shutdown Emissions | NH ₃ | 3.5 | 0.31 |
| BAG-4 | Buffing Reel B Baghouse Stack | PM | 0.26 | 0.77 |
| | | PM ₁₀ | 0.26 | 0.77 |
| | | PM _{2.5} | 0.26 | 0.77 |
| | | NH ₃ | 0.08 | 0.14 |
| BAG-4 | Buffing Reel B Baghouse Startup and Shutdown Emissions | NH ₃ | 3.5 | 0.31 |
| FUGREC-2 | Receiving Fugitives | PM | 1.35 | 1.08 |
| | | PM ₁₀ | 0.44 | 0.35 |

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| | | | | |
|---------|---|-------------------|-------|------|
| | | PM _{2.5} | 0.08 | 0.06 |
| DLSTFUG | Delinting/Seed Treater Fugitives | PM | 6.64 | 2.11 |
| | | PM ₁₀ | 6.58 | 2.01 |
| | | PM _{2.5} | 6.52 | 1.91 |
| | | VOC | 12.98 | 3.83 |
| | | HAP | 0.05 | 0.01 |
| DL-1 | Cull Bin Hopper Loadout Fugitives | PM | 2.15 | 0.43 |
| | | PM ₁₀ | 0.73 | 0.15 |
| | | PM _{2.5} | 0.12 | 0.02 |
| GREC-1 | Truck Receiving Pit (Grains Plant) | PM | 0.43 | 0.09 |
| | | PM ₁₀ | 0.06 | 0.01 |
| | | PM _{2.5} | 0.06 | 0.01 |
| GC-1 | Cleaner/Cull Tank (Grains Plant) | PM | 1.88 | 0.42 |
| | | PM ₁₀ | 0.47 | 0.11 |
| | | PM _{2.5} | 0.47 | 0.11 |
| GL-1 | Truck Receiving Pit (Grains Plant) | PM | 2.15 | 0.15 |
| | | PM ₁₀ | 0.73 | 0.05 |
| | | PM _{2.5} | 0.73 | 0.05 |
| GL-2 | Truck Receiving Pit (Grains Plant) | PM | 2.15 | 0.15 |
| | | PM ₁₀ | 0.73 | 0.05 |
| | | PM _{2.5} | 0.73 | 0.05 |
| GL-3 | Truck Receiving Pit (Grains Plant) | PM | 2.15 | 0.15 |
| | | PM ₁₀ | 0.73 | 0.05 |
| | | PM _{2.5} | 0.73 | 0.05 |
| Loadout | Total Loadout Operations (Grains Plant) | PM | - | 0.15 |
| | | PM ₁₀ | - | 0.05 |
| | | PM _{2.5} | - | 0.05 |

- (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

Emission Sources - Maximum Allowable Emission Rates

| | | |
|-------------------|---|---|
| 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 |
| NH ₃ | - | ammonia |
| 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 |

- (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 14, 2013