

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 36756

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. 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) | <u>Emission Rates</u> | |
|---------------------------|--|-----------------------------|-----------------------|------|
| | | | lb/hr | TPY |
| A010-02 | Vinyl Receiver Baghouse Stack Line 1 | PM/PM ₁₀ | 0.05 | 0.23 |
| A010-06 | 15 M Receiver Baghouse Stack Line 1 | PM/PM ₁₀ | 0.04 | 0.19 |
| D010-01 | Vinyl Receiver Baghouse Stack Line 3 | PM/PM ₁₀ | 0.06 | 0.24 |
| E010-02 | Vinyl Receiver Baghouse Stack Line 3A | PM/PM ₁₀ | 0.04 | 0.15 |
| A020-01 | Tile Base Blender Line 1 Baghouse Stack | PM/PM ₁₀ | 0.18 | 0.77 |
| B080-00 | Line 3 and Line 3A Baghouse Stack | PM/PM ₁₀ | 0.66 | 2.89 |
| B091-00 | Line 1 Baghouse Stack | PM/PM ₁₀ | 0.58 | 2.54 |
| D020-13 | West Line 3 Baghouse Stack | PM/PM ₁₀ | 0.13 | 0.57 |
| D020-14 | East Line 3 Baghouse Stack | PM/PM ₁₀ | 0.05 | 0.23 |
| C170-00 | Line 3 Classifier Baghouse Stack | PM/PM ₁₀ | 0.13 | 0.55 |
| E170-02 | Line 3A Cyclone/Baghouse Stack | PM/PM ₁₀ | 0.23 | 1.02 |

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|---------------------------|---|-----------------------------|-----------------------|-------|
| | | | lb/hr | TPY |
| FANRF-01 | Roof Vent - Tile Case Blender, Banbury Mixer, Skip Bucket Line 3A | PM/PM ₁₀ | 0.07 | 0.28 |
| FANRF-02 | Roof Vent - No. 1 Mill Line 3A | PM/PM ₁₀ | <0.01 | <0.01 |
| FANRF-03 | Roof Vent - Banbury Mixer, Skip Bucket Line 3 | PM/PM ₁₀ | 0.03 | 0.15 |
| FANRF-43 | Roof Vent - Banbury Mixer, Skip Bucket Line 3 | PM/PM ₁₀ | 0.08 | 0.36 |
| FANRF-04 | Roof Vent - No. 1 Mill, Scrap Crusher Line 3 | PM/PM ₁₀ | 0.02 | 0.07 |
| FANRF-05 | Roof Vent - MT Drum Feeder and Heater Line 3 | PM/PM ₁₀ | 0.02 | 0.07 |
| | | NO _x | 0.12 | 0.53 |
| | | CO | 0.05 | 0.24 |
| | | SO ₂ | <0.01 | <0.01 |
| | | VOC | 0.01 | 0.04 |
| FANRF-06 | Roof Vent - Mottle Chip Tumbler, Tray Dumper Line 3 | PM/PM ₁₀ | 0.02 | 0.09 |
| FANRF-07 | Roof Vent - MT Feeder, Heaters Line 3 | PM/PM ₁₀ | 0.02 | 0.07 |
| | | NO _x | 0.11 | 0.50 |
| | | CO | 0.05 | 0.21 |
| | | SO ₂ | <0.01 | <0.01 |
| | | VOC | 0.01 | 0.04 |
| FANRF-13 | Roof Vent - Conveyor Heater Line 1 | PM/PM ₁₀ | 0.01 | 0.04 |
| | | NO _x | 0.07 | 0.30 |
| | | CO | 0.03 | 0.13 |
| | | SO ₂ | <0.01 | <0.01 |
| | | VOC | 0.01 | 0.02 |
| FANRF-14 | Roof Vent - Recycle Conveyors | PM/PM ₁₀ | <0.01 | <0.01 |

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| | | | lb/hr | TPY |
| FANRF-16 | Roof Vent - Recycle Conveyors, Heater Line 1 | PM/PM ₁₀ | 0.07 | 0.30 |
| | | NO _x | 0.58 | 2.53 |
| | | CO | 0.25 | 1.08 |
| | | SO ₂ | <0.01 | 0.02 |
| | | VOC | 0.04 | 0.20 |
| FANRF-17 | Roof Vent - Recycle Conveyors, Coarse Recycle Drum and Grit Feeder | PM/PM ₁₀ | 0.01 | 0.03 |
| FANRF-20 | Roof Vent - Recycle Conveyors | PM/PM ₁₀ | 0.01 | 0.02 |
| | | NO _x | 0.04 | 0.18 |
| | | CO | 0.02 | 0.08 |
| | | SO ₂ | <0.01 | <0.01 |
| | | VOC | <0.01 | 0.02 |
| FANRF-21 | Roof Vent - Recycle Conveyors Heater Line 1 | PM/PM ₁₀ | 0.03 | 0.02 |
| | | NO _x | 0.11 | 0.50 |
| | | CO | 0.05 | 0.21 |
| | | SO ₂ | <0.01 | <0.01 |
| | | VOC | 0.01 | 0.04 |
| FANRF-23 | Roof Vent - Banbury Mixer Line 1 | PM/PM ₁₀ | 0.02 | 0.10 |
| FANRF-24 | Roof Vent - Banbury Mixer and Skip Bucket | PM/PM ₁₀ | 0.01 | 0.04 |
| FANRF-25 | Roof Vent - Skip Bucket | PM/PM ₁₀ | 0.002 | 0.01 |
| FANRF-28 | Roof Vent - Banbury Mixer, Tile Base Hopper | PM/PM ₁₀ | 0.08 | 0.36 |
| FANRF-30 | Roof Vent - Fines Drum Feeder | PM/PM ₁₀ | <0.01 | <0.01 |
| FANRF-32 | Roof Vent - Seven Sources Line 2 | PM/PM ₁₀ | 0.01 | 0.03 |
| FANRF-33 | Roof Vent - Conveyor Heaters Line 2 | PM/PM ₁₀ | 0.01 | 0.06 |
| | | NO _x | 0.06 | 0.28 |
| | | CO | 0.02 | 0.12 |
| | | SO ₂ | <0.01 | <0.01 |

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|---------------------------|--------------------------------------|-----------------------------|-----------------------|-------|
| | | | lb/hr | TPY |
| | | VOC | <0.01 | 0.02 |
| FANRF-36 | Roof Vent - Tile Base Baghouse | PM/PM ₁₀ | 0.23 | 1.02 |
| H400-00 | Rework Baghouse Stack | PM/PM ₁₀ | 0.38 | 1.67 |
| J010 | Line 2 Baghouse Stack | PM/PM ₁₀ | 0.22 | 0.95 |
| J04540 | Mottle Chip Line 2 Baghouse Stack | PM/PM ₁₀ | 0.07 | 0.33 |
| R009-00 | Silo 9 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| R016-00 | Silo 16 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| R017-00 | Silo 17 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| R018-00 | Silo 18 Fabric Filter Vent | PM/PM ₁₀ | 0.07 | 0.08 |
| R019-00 | Silo 19 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| R020-00 | Silo 20 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| R021-00 | Silo 21 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| R022-00 | Silo 22 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| R000-5 | Silo 24 Fabric Filter Vent | PM/PM ₁₀ | 0.10 | 0.23 |
| R025-00 | Silo 25 Fabric Filter Vent | PM/PM ₁₀ | 0.06 | 0.12 |
| R026-00 | Silo 26 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| R027-00 | Silo 27 Fabric Filter Vent | PM/PM ₁₀ | <0.01 | <0.01 |
| T004-00 | Tank 4-Blend Tank | VOC | 0.12 | 0.04 |
| T006-00 | Tank 6- Diisononyl Phatalate | VOC | <0.01 | 0.01 |

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AIR CONTAMINANTS DATA

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|---------------------------|--|-----------------------------|-----------------------|-------|
| | | | lb/hr | TPY |
| | (diNP) Storage | | | |
| T007-00 | Tank 7-Waste Oil Tank | VOC | <0.01 | <0.01 |
| T010-00 | Tank 10-Blend Tank | VOC | 0.12 | 0.04 |
| T011-00 | Tank 11-Plasticizer Storage | VOC | <0.01 | <0.01 |
| T012-00 | Tank 12-Stabilizer Storage | VOC | 0.27 | 0.01 |
| T013-00 | Tank 13-Plasticizer Storage | VOC | <0.01 | <0.01 |
| U035-00 | Boiler 350 | PM/PM ₁₀ | 0.18 | 0.80 |
| | | NO _x | 1.88 | 4.11 |
| | | CO | 0.47 | 2.05 |
| | | SO ₂ | 0.01 | 0.04 |
| | | VOC | 0.04 | 0.16 |
| U050-00 | Boiler 500 | PM/PM ₁₀ | 0.29 | 1.26 |
| | | NO _x | 2.94 | 6.44 |
| | | CO | 0.74 | 3.22 |
| | | SO ₂ | 0.01 | 0.06 |
| | | VOC | 0.06 | 0.26 |
| VENTP-08 | Roof Vent (pipe) - Recycle Conveyor Heater Line 1 | PM/PM ₁₀ | 0.04 | 0.17 |
| | | NO _x | 0.32 | 1.44 |
| | | CO | 0.14 | 0.61 |
| | | SO ₂ | <0.01 | 0.01 |
| | | VOC | 0.03 | 0.11 |
| VENTP-09 | Roof Vent (pipe) - Recycle Conveyors | PM/PM ₁₀ | <0.01 | <0.01 |
| VENTP-10 | Roof Vent (pipe) - Recycle Conveyors | PM/PM ₁₀ | <0.01 | <0.01 |
| VENTP-13 | Roof Vent (pipe) - Finishing Mill, Chip Blender, Heaters Line 2 | PM/PM ₁₀ | 0.03 | 0.13 |
| | | NO _x | 0.13 | 0.55 |

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|---------------------------|--|--|---------------------------------------|---------------------------------------|
| | | | lb/hr | TPY |
| | | CO | 0.05 | 0.25 |
| | | SO ₂ | <0.01 | 0.02 |
| | | VOC | 0.01 | 0.04 |
| VENTR-01 | Roof Vent - Bulk Unloading Baghouse, Fines Dust Collector, Fomes Baghouse, Tray Dumper Line 3 | PM/PM ₁₀ <0.01 | | <0.01 |
| VENTR-02 | Roof Vent - Recycle Feeder and Conveyor Heaters Line 3A | PM/PM ₁₀ NO _x CO SO ₂ VOC | 0.01 0.11 0.05 <0.01 0.01 | 0.06 0.50 0.21 <0.01 0.04 |
| VENTR-04 | Roof Vent - No. 1 and No. 2 Cleveland Vibrator, Heaters Line 3 | PM/PM ₁₀ NO _x CO SO ₂ VOC | 0.13 1.11 0.46 0.01 0.14 | 0.58 4.83 2.06 0.16 0.37 |
| VENTR-14 | Roof Vent - Rework Conveyors | PM/PM ₁₀ | <0.01 | 0.01 |
| FUG-1 | Batch Heating Line 1 (4) Fugitives | Phenol (HAP) Vinyl Acetate (HAP) Chloroethene (HAP) | 0.42 0.18 0.01 | 1.83 1.83 0.06 |
| FUG-2 | Batch Heating Line 2 (4) Fugitives | Phenol (HAP) Vinyl Acetate (HAP) Chloroethene (HAP) | 0.42 0.18 0.01 | 1.83 1.83 0.06 |
| FUG-3 | Batch Heating Line 3 (4) Fugitives | Phenol (HAP) Vinyl Acetate (HAP) Chloroethene (HAP) | 0.42 0.18 0.01 | 1.83 1.83 0.06 |

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|---------------------------|--|-----------------------------|-----------------------|------|
| | | | lb/hr | TPY |
| FUG-3A | Batch Heating Line 3A (4) Fugitives | Phenol (HAP) | 0.42 | 1.83 |
| | | Vinyl Acetate (HAP) | 0.18 | 1.83 |
| | | Chloroethene (HAP) | 0.01 | 0.06 |

- (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 - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- HAP - hazardous air pollutant
- (4) Fugitive emissions are an estimate only.

Dated February 21, 2007