EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 5667 and PSD-TX-784M1

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) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-1 | Silo No. 1 Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-2 | Silo No. 2 Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-2A | Silo No. 2 Baghouse | $PM/PM_{10}$ | 0.14 | 0.61 |
| E-3 | Silo No. 3 Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-3A | Silo No. 3 Baghouse | $PM/PM_{10}$ | 0.14 | 0.61 |
| E-4 | Silo No. 4 Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-5 | Silo No. 5 Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-6 | Silo No. 6 Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-7A | Silo No. 7A Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-7B | Silo No. 7B Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-8 | Silo No. 8 Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-9 | Silo No. 9 Baghouse | $PM/PM_{10}$ | 0.08 | 0.35 |
| E-10 | Silo No. 10 Baghouse | $PM/PM_{10}$ | 0.05 | 0.22 |
| E-11 | Silo No. 11 Baghouse | $PM/PM_{10}$ | 0.05 | 0.22 |
| E-15 | Batch Blender No. 2 | $PM/PM_{10}$ | 0.11 | 0.48 |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-15A | Batch Blender No. 2 | $PM/PM_{10}$ | 0.11 | 0.48 |
| E-16 | Batch Blender No. 3 | $PM/PM_{10}$ | 0.16 | 0.72 |
| E-16A | Batch Blender No. 3 | $PM/PM_{10}$ | 0.16 | 0.72 |
| E-17 | Scale 5 Baghouse | $PM/PM_{10}$ | 0.02 | 0.08 |
| E-18 | BH Vacuum Baghouse | $PM/PM_{10}$ | 0.04 | 0.18 |
| E-21A | Furnace No. 1 ESP and Scrubber | $PM/PM_{10}$ | 13.63 | 59.70 |
| | | VOC | 0.25 | 1.07 |
| | | $NO_x$ | 12.12 | 53.08 |
| | | $SO_2$ | 18.20 | 79.72 |
| | | CO | 0.27 | 1.19 |
| E-21A (14) | Furnace No. 1 ESP and Scrubber | $PM/PM_{10}$ | 3.96 | 17.34 |
| | | VOC | 0.13 | 0.57 |
| | | $NO_x$ | 8.31 | 36.40 |
| | | $SO_2$ | 5.54 | 24.27 |
| | | CO | 0.32 | 1.40 |
| E-22A | Furnace No. 2 ESP and Scrubber | $PM/PM_{10}$ | 13.68 | 59.93 |
| | | VOC | 0.25 | 1.07 |
| | | $NO_x$ (11) | 7.09 | 31.05 |
| | | $SO_2$ | 20.31 | 88.96 |
| | | CO | 0.39 | 1.71 |
| E-22A (15) | Furnace No. 2 ESP and Scrubber | $PM/PM_{10}$ (13) | 3.96 | 17.34 |
| | | VOC | 0.13 | 0.57 |
| | | $NO_x$ (12) | 8.31 | 36.40 |
| | | $SO_2$ | 5.54 | 24.27 |
| | | CO | 0.32 | 1.40 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-23A | Furnace No. 3 ESP and Scrubber | $PM/PM_{10}$ | 5.46 | 23.91 |
| | | $SO_2$ | 6.66 | 29.17 |
| | | $NO_x$ | 11.46 | 50.19 |
| | | CO | 0.76 | 3.33 |
| | | VOC | 0.28 | 1.23 |
| E-24A | Furnace No. 4 ESP and Scrubber | $PM/PM_{10}$ | 4.58 | 20.06 |
| | | $SO_2$ | 11.14 | 48.79 |
| | | $NO_x$ | 9.63 | 42.18 |
| | | CO | 0.64 | 2.80 |
| | | VOC | 0.22 | 0.96 |
| E-25 | Batch Hold Bin No. 1 Baghouse | $PM/PM_{10}$ | 0.16 | 0.70 |
| E-26 | Batch Hold Bin No. 2 Baghouse | $PM/PM_{10}$ | 0.16 | 0.70 |
| E-27A | Batch Hold Bin No. 3A Baghouse | $PM/PM_{10}$ | 0.25 | 1.07 |
| E-27B | Batch Hold Bin No. 3B Baghouse | $PM/PM_{10}$ | 0.16 | 0.71 |
| E-28 | Batch Hold Bin No. 4 Baghouse | $PM/PM_{10}$ | 0.25 | 1.07 |
| E-30 | Cleaning Oven | VOC | 0.33 | 1.40 |
| E-31 A-F | Hot Air Dryer No. 31 | $PM/PM_{10}$ | 0.71 | 2.45 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | $NO_x$ | 0.93 | 4.07 |
| | | CO | 2.61 | 6.90 |
| | | VOC | 0.03 | 0.13 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-32 A-F | Hot Air Dryer No. 32 | $PM/PM_{10}$ | 0.71 | 2.45 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| | | $SO_2$ | <0.01 | 0.01 |
| | | $NO_x$ | 0.93 | 4.07 |
| | | CO | 2.61 | 6.90 |
| | | VOC | 0.03 | 0.13 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-33 A-D | Hot Air Dryer No. 33 | $PM/PM_{10}$ | 0.71 | 2.45 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | $NO_x$ | 0.93 | 4.07 |
| | | CO | 5.51 | 14.87 |
| | | VOC | 0.03 | 0.13 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-34 A-D | Hot Air Dryer No. 34 | $PM/PM_{10}$ | 0.71 | 2.45 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | $NO_x$ | 0.93 | 4.07 |
| | | CO | 5.51 | 14.87 |
| | | VOC | 0.03 | 0.13 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-35 A-D | Hot Air Dryer No. 35 | $PM/PM_{10}$ | 0.71 | 2.45 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | $NO_x$ | 0.93 | 4.07 |
| | | CO | 5.51 | 14.87 |
| | | VOC | 0.03 | 0.13 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-36 A-D | Hot Air Dryer No. 36 | $PM/PM_{10}$ | 0.71 | 2.45 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | $NO_x$ | 0.93 | 4.07 |
| | | CO | 5.51 | 14.87 |
| | | VOC | 0.03 | 0.13 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-38 A-J | Dielectric Oven No. 38 | $PM/PM_{10}$ | 0.38 | 1.66 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-39 | RTP Dryer No. 15 Baghouse | $PM/PM_{10}$ | 0.33 | 1.45 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | $NO_x$ | 0.20 | 0.88 |
| | | CO | 0.17 | 0.74 |
| | | VOC | 0.01 | 0.04 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-41 A-E | Mat Line (Dryers and Cleaner) | $PM/PM_{10}$ | 1.32 | 5.78 |
| | | VOC | 0.02 | 0.09 |
| | | $NO_x$ | 0.45 | 1.97 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | CO | 0.38 | 1.66 |
| E-42 A and B | Dielectric Dryer No. 1 | $PM/PM_{10}$ | 0.11 | 0.48 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-43 A and B | Dielectric Dryer No. 8 | $PM/PM_{10}$ | 0.11 | 0.48 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-45 A-D | Hot Air Dryer No. 45 | $PM/PM_{10}$ | 0.71 | 2.45 |
| | | $SO_2$ | <0.01 | 0.02 |
| | | $NO_x$ | 1.33 | 5.83 |
| | | CO | 5.51 | 14.87 |
| | | VOC | 0.04 | 0.18 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-52 | Boiler No. 2 | $PM/PM_{10}$ | 0.12 | 0.27 |
| | | VOC | 0.07 | 0.15 |
| | | $NO_x$ | 3.40 | 7.45 |
| | | $SO_2$ | 0.04 | 0.09 |
| | | CO | 0.85 | 1.86 |
| E-61 A-D | Emergency Generator No. 1 | $PM/PM_{10}$ | 1.21 | 0.08 |
| | | VOC | 1.65 | 0.11 |
| | | $NO_x$ | 50.77 | 3.40 |
| | | $SO_2$ | 5.51 | 0.37 |
| | | CO | 12.01 | 0.80 |
| E-62 A-D | Emergency Generator No. 2 | $PM/PM_{10}$ | 1.21 | 0.08 |
| | | VOC | 1.65 | 0.11 |
| | | $NO_x$ | 50.77 | 3.40 |
| | | $SO_2$ | 5.51 | 0.37 |
| | | CO | 12.01 | 0.80 |
| E-71 | Propane Flare | $PM/PM_{10}$ | 0.18 | 0.02 |
| | | VOC | 13.28 | 1.33 |
| | | $NO_x$ | 3.65 | 0.37 |
| | | $SO_2$ | 0.49 | 0.05 |
| | | CO | 7.29 | 0.73 |
| E-72 and E-76 | Fuel Fugitives and Diesel Storage Tank (4) | VOC | 3.06 | 13.42 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-75A | Propane Evaporator No. 1 | $PM/PM_{10}$ | 0.02 | <0.01 |
| | | VOC | 0.01 | <0.01 |
| | | $NO_x$ | 0.29 | 0.07 |
| | | $SO_2$ | <0.01 | <0.01 |
| | | CO | 0.04 | 0.01 |
| E-75B | Propane Evaporator No. 2 | $PM/PM_{10}$ | 0.02 | <0.01 |
| | | VOC | 0.01 | <0.01 |
| | | $NO_x$ | 0.31 | 0.08 |
| | | $SO_2$ | <0.01 | <0.01 |
| | | CO | 0.04 | 0.01 |
| E-75C | Propane Evaporator No. 3 | $PM/PM_{10}$ | 0.02 | <0.01 |
| | | VOC | 0.01 | <0.01 |
| | | $NO_x$ | 0.31 | 0.08 |
| | | $SO_2$ | <0.01 | <0.01 |
| | | CO | 0.04 | 0.01 |
| E-75D | Propane Evaporator No. 4 | $PM/PM_{10}$ | 0.02 | <0.01 |
| | | VOC | 0.01 | <0.01 |
| | | $NO_x$ | 0.31 | 0.08 |
| | | $SO_2$ | <0.01 | <0.01 |
| | | CO | 0.04 | 0.01 |
| E-81 and E-85A | Forming Line No. 1 Scrubbers | $PM/PM_{10}$ | 2.35 | 10.29 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-82 and E-85B | Forming Line No. 2 Scrubbers | $PM/PM_{10}$ | 2.35 | 10.29 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-83 and E-86A and B | Forming Line No. 3 Scrubbers | $PM/PM_{10}$ | 3.00 | 13.14 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-84 | Forming Line No. 4 | $PM/PM_{10}$ | 2.51 | 10.99 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| | Scrubber | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-91 | Furnace No. 1 Forehearth | $PM/PM_{10}$ | 0.06 | 0.26 |
| | | VOC | 0.05 | 0.22 |
| | | $NO_x$ | 0.84 | 3.68 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | CO | 0.71 | 3.11 |
| E-92 | Furnace No. 2 Forehearth | $PM/PM_{10}$ | 0.06 | 0.26 |
| | | VOC | 0.05 | 0.22 |
| | | $NO_x$ | 0.84 | 3.68 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | CO | 0.71 | 3.11 |
| E-93 | Furnace No. 3 Forehearth | $PM/PM_{10}$ | 0.07 | 0.31 |
| | | $SO_2$ | <0.01 | 0.02 |
| | | $NO_x$ | 0.59 | 2.60 |
| | | CO | 0.13 | 0.55 |
| | | VOC | 0.03 | 0.14 |
| E-94 | Furnace No. 4 Forehearth and RTP Chopper 14/15 Baghouses | $PM/PM_{10}$ | 0.30 | 1.32 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | $NO_x$ | 0.98 | 4.29 |
| | | CO | 0.82 | 3.59 |
| | | VOC | 0.05 | 0.22 |
| E-95 | No. 1 Scales Batch Blender Baghouse | $PM/PM_{10}$ | 0.11 | 0.48 |
| E-97 | No. 1 Reject Batch Tank Baghouse | $PM/PM_{10}$ | 0.11 | 0.05 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-98 A-D | Hot Air Dryer No. 98 | $PM/PM_{10}$ | 0.71 | 2.45 |
| | | $NO_x$ | 0.93 | 4.07 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | CO | 5.51 | 14.87 |
| | | VOC | 0.03 | 0.13 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-99 | RTP Dryer No. 10 and RTP Chopper No. 10 Baghouse | $PM/PM_{10}$ | 0.33 | 1.45 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | $NO_x$ | 0.20 | 0.88 |
| | | CO | 0.17 | 0.74 |
| | | VOC | 0.01 | 0.04 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-100 | RTP Dryer No. 11 and RTP Chopper No. 11 Baghouse | $PM/PM_{10}$ | 0.33 | 1.45 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | $NO_x$ | 0.20 | 0.88 |
| | | CO | 0.17 | 0.74 |
| | | VOC | 0.01 | 0.04 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-101 | Dielectric Oven No. 101 | $PM/PM_{10}$ | 0.08 | 0.35 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-105 | Post Curing Oven No. 1 | $PM/PM_{10}$ | <0.01 | <0.01 |
| | | VOC | 0.06 | 0.09 |
| | | $NO_x$ | 0.08 | 0.09 |
| | | $SO_2$ | <0.01 | <0.01 |
| | | CO | 0.02 | 0.02 |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-106 | Post Curing Oven No. 2 | $PM/PM_{10}$ | <0.01 | <0.01 |
| | | VOC | <0.01 | 0.02 |
| | | $NO_x$ | 0.10 | 0.42 |
| | | $SO_2$ | <0.01 | <0.01 |
| | | CO | 0.02 | 0.02 |
| E-107 | Post Curing Oven No. 3 | $PM/PM_{10}$ | <0.01 | <0.01 |
| | | VOC | <0.01 | 0.02 |
| | | $NO_x$ | 0.10 | 0.42 |
| | | $SO_2$ | <0.01 | <0.01 |
| | | CO | 0.02 | 0.02 |
| E-109 | Pneumatic Transfer Hold Tank Baghouse | $PM/PM_{10}$ | 0.15 | 0.66 |
| E-112 | RTP Dryer No. 12 Baghouse | $PM/PM_{10}$ | 0.33 | 1.45 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | $NO_x$ | 0.20 | 0.88 |
| | | CO | 0.17 | 0.74 |
| | | VOC | 0.01 | 0.04 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-113 | RTP Dryer No. 13 Baghouse | $PM/PM_{10}$ | 0.33 | 1.45 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | $NO_x$ | 0.20 | 0.88 |
| | | CO | 0.17 | 0.74 |
| | | VOC | 0.01 | 0.04 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-115 | RR Unloading Area Vacuum Cleaning System | $PM/PM_{10}$ | 0.04 | 0.06 |

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-116 | RTP Dryer No. 16 Baghouse | $PM/PM_{10}$ | 0.55 | 2.41 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | $NO_x$ | 0.39 | 1.71 |
| | | CO | 0.33 | 1.45 |
| | | VOC | 0.02 | 0.09 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-117 | RTP Dryer No. 17 Baghouse | $PM/PM_{10}$ | 0.55 | 2.41 |
| | | $SO_2$ | <0.01 | 0.04 |
| | | $NO_x$ | 0.39 | 1.71 |
| | | CO | 0.33 | 1.45 |
| | | VOC | 0.02 | 0.09 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| E-119 | RTP Chopper Nos. 7/8/12/13 Baghouse | $PM/PM_{10}$ | 0.46 | 2.01 |
| E-121 | Twintex Vacuum Conveying System No. 1 | $PM/PM_{10}$ | 0.01 | 0.04 |
| E-122 | Twintex Vacuum Conveying System No. 2 | $PM/PM_{10}$ | 0.01 | 0.04 |
| E-123 | Furnace No. 2 Twintex Extruder/Fiberization System | VOC | 0.66 | 2.89 |
| E-124 | Twintex Raw Material Storage Silo P-4 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |
| E-125 | Twintex Raw Material Storage Silo P-5 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-126 | Twintex Raw Material Storage Silo P-6 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |
| E-127 | Twintex Raw Material Storage Silo P-7 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |
| E-128 | Twintex Raw Material Storage Silo P-8 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |
| E-129 | Twintex Raw Material Storage Silo P-9 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |
| E-147 | Cleaning Stations 2, 3, and 4 | VOC | 1.47 | 0.99 |
| E-148 A and B | Aqueous Caustic Containers | $PM/PM_{10}$ | <0.01 | <0.01 |
| E-149 | Cold Solvent Cleaning Facility | VOC | 0.60 | 2.70 |
| E-151 | Surface Coating Facility | VOC | 3.30 | 0.22 |
| E-152 | Sandblast Operation | PM | 1.88 | 0.40 |
| E-524 | Twintex Vacuum Conveying System | $PM/PM_{10}$ | 0.01 | 0.04 |
| E-525 | Furnace No. 5 Twintex Thermoplastic Extruder/ Fiberization System | VOC | 0.22 | 0.96 |
| E-527 | Twintex Raw Material Storage Silo P-1 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |
| E-528 | Twintex Raw Material Storage Silo P-2 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| E-529 | Twintex Raw Material Storage Silo P-3 Baghouse | $PM/PM_{10}$ | 0.04 | ---- |
| E-124 through E-129 and E-527 through E-529 | Twintex Raw Material Storage Silos P-1 through P-9 Baghouses | $PM/PM_{10}$ | ---- | 0.18 |
| F-510 A and B | Batch Blender (6) Baghouse | $PM/PM_{10}$ (10) | 0.04 | 0.18 |
| F-513 | Furnace No. 5 Storage A Baghouse | $PM/PM_{10}$ (10) | 0.03 | 0.13 |
| F-514 | Furnace No. 5 Storage B Baghouse | $PM/PM_{10}$ (10) | 0.03 | 0.13 |
| F-515 | Furnace No. 5 Dry Scrubber and ESP (7) | $PM/PM_{10}$ (10) | 13.27 | 58.12 |
| | | VOC (10) | 0.50 | 2.20 |
| | | $NO_x$ (10) | 16.63 | 72.84 |
| | | $SO_2$ | 11.40 | 49.94 |
| | | CO | 1.30 | 5.68 |
| F-515 (16) | Furnace No. 5 Dry Scrubber and ESP (7) | $PM/PM_{10}$ (10) | 9.17 | 40.16 |
| | | VOC (10) | 0.36 | 1.58 |
| | | $NO_x$ (10) | 19.25 | 84.32 |
| | | $SO_2$ | 12.83 | 56.20 |
| | | CO | 0.73 | 3.20 |
| F-516 A-C | Furnace No. 5 Hot Air Dryer No. 1 | $PM/PM_{10}$ (10) | 0.22 | 0.96 |
| | | $NO_x$ (10) | 0.49 | 2.13 |
| | | $SO_2$ | 0.01 | 0.04 |
| | | CO | 0.61 | 2.67 |
| | | VOC (10) | 0.03 | 0.13 |
| | | VOC (Size) (10) | (5) | (5) |
| | | Base | (8) | (8) |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| F-517 A-C | Furnace No. 5 Hot Air Dryer No. 2 | $PM/PM_{10}$ (10) | 0.22 | 0.96 |
| | | $NO_x$ (10) | 0.49 | 2.13 |
| | | $SO_2$ | 0.01 | 0.04 |
| | | CO | 0.61 | 2.67 |
| | | VOC (10) | 0.03 | 0.13 |
| | | VOC (Size) (10) | (5) | (5) |
| | | Base | (8) | (8) |
| F-518 A-C | Furnace No. 5 Hot Air Dryer No. 3 | $PM/PM_{10}$ (10) | 0.22 | 0.96 |
| | | $NO_x$ (10) | 0.49 | 2.13 |
| | | $SO_2$ | 0.01 | 0.04 |
| | | CO | 0.61 | 2.67 |
| | | VOC (10) | 0.03 | 0.13 |
| | | VOC (Size) (10) | (5) | (5) |
| | | Base | (8) | (8) |
| F-519 A-C | Furnace No. 5 Hot Air Dryer No. 4 | $PM/PM_{10}$ (10) | 0.22 | 0.96 |
| | | $NO_x$ (10) | 0.49 | 2.13 |
| | | $SO_2$ | 0.01 | 0.04 |
| | | CO | 0.61 | 2.67 |
| | | VOC (10) | 0.03 | 0.13 |
| | | VOC (Size) (10) | (5) | (5) |
| | | Base | (8) | (8) |
| F-520 A-C | Furnace No. 5 Hot Air Dryer No. 5 | $PM/PM_{10}$ (10) | 0.22 | 0.96 |
| | | $NO_x$ (10) | 0.49 | 2.13 |
| | | $SO_2$ | 0.01 | 0.04 |
| | | CO | 0.61 | 2.67 |
| | | VOC (10) | 0.03 | 0.13 |
| | | VOC (Size) (10) | (5) | (5) |
| | | Base | (8) | (8) |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| F-521A-C | Furnace No. 5 Hot Air Dryer No. 6 | $PM/PM_{10}$ | 0.24 | 1.05 |
| | | $NO_x$ | 0.82 | 3.59 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | CO | 0.61 | 2.67 |
| | | VOC | 0.03 | 0.13 |
| | | VOC (Size) | (5) | (5) |
| | | Base | (8) | (8) |
| F-522 | Furnace No. 5 Forehearth Monitor | $PM/PM_{10}$ (10) | 0.14 | 0.61 |
| | | VOC (10) | 0.10 | 0.44 |
| | | $NO_x$ (10) | 1.80 | 7.88 |
| | | $SO_2$ | 0.01 | 0.04 |
| | | CO | 1.51 | 6.61 |
| F-531 | Furnace No. 5 Curing Oven Nos. 1 and 2 | $PM/PM_{10}$ (10) | 0.03 | 0.15 |
| | | $NO_x$ (10) | 0.70 | 3.07 |
| | | $SO_2$ | 0.01 | 0.05 |
| | | CO | 0.14 | 0.61 |
| | | VOC (10) | <0.01 | 0.04 |
| | | VOC (Size) (10) | (5) | (5) |
| F-535 | Boiler No. 3 | $PM/PM_{10}$ (10) | 0.08 | 0.36 |
| | | VOC (10) | 0.05 | 0.20 |
| | | $NO_x$ (10) | 2.29 | 10.01 |
| | | $SO_2$ | 0.03 | 0.12 |
| | | CO | 0.57 | 2.50 |
| F-537 | Diesel Generator | $PM/PM_{10}$ (10) | 1.61 | 0.39 |
| | | VOC (10) | 1.48 | 0.36 |
| | | $NO_x$ (10) | 55.37 | 13.54 |
| | | $SO_2$ | 0.93 | 0.23 |
| | | CO | 12.69 | 3.10 |
| F-541 | Line No. 5 Forming Machine Scrubbers | $PM/PM_{10}$ (10) | 6.37 | 27.90 |
| | | VOC (Size) (10) | (5) | (5) |
| | | Base | (8) | (8) |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| FUG-11 | Material Sizing Area Fugitives (4) | VOC (Size)<br>Base | (5)<br>(8) | (5)<br>(8) |
| FUG-12 | Size Staging Area Nos. 1 and 2 Fugitives (4) | VOC (Size)<br>Base | (5)<br>(8) | (5)<br>(8) |
| FUG-13 | Size Staging Area Nos. 3 and 4 Fugitives (4) | VOC (Size)<br>Base | (5)<br>(8) | (5)<br>(8) |
| FUG-5 | Furnace No. 5 Fugitives (4) | VOC (Size) (10)<br>Base | (5)<br>(8) | (5)<br>(8) |
| WWPTP | Wastewater Pretreatment Fugitives (4) | VOC (Size)<br>Base | (5)<br>(8) | (5)<br>(8) |

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources use area name or fugitive source name.
(3) PM - particulate matter, suspended in the atmosphere, including $PM_{10}$
$PM_{10}$ - 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
$SO_2$ - sulfur dioxide
CO - carbon monoxide
Base - water-soluble hydroxide
(4) Fugitive emissions are an estimate only.
(5) All noted EPNs are combined and included as "Total Size Compound VOCs" for the Furnaces 1 through 5 Manufacturing Lines. The VOC emissions from combustion from these sources, if any, are listed separately for each emission point. "Total Size Compound VOCs" are limited to 384.62 lb/hr and 267.01 tpy.
(6) Emissions from EPNs F-510A and F-510B shall not occur simultaneously.
(7) The PM emission limit for Furnace 5 (EPN F-515) shall not exceed 0.024 grain per dry standard cubic foot (front-half) as represented in the permit application. **(PSD)**
(8) All noted EPNs are combined and included as "Total Size Compound Base" for Furnace Nos. 1-

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

5 Manufacturing Lines. "Total Size Compound Base" is limited to 7.88 lb/hr and 34.51 tpy.

(9) ---

(10) PSD

(11) Until September 30, 2005 or until Special Condition No. 11A is applicable for Furnace No. 2, EPN E-22A is allowed a maximum hourly $NO_x$ emission rate of 28.05 lb/hr and a maximum annual $NO_x$ emission rate of 122.86 tpy.

(12) After Special Condition No. 11A is applicable for Furnace No. 2 and until September 30, 2005, EPN E-22A is allowed a maximum hourly $NO_X$ emission rate of 32.89 lb/hr and a maximum annual $NO_x$ emission rate of 144.06 tpy.

(13) After Special Condition No. 11A is applicable for Furnace No. 2 and until September 30, 2005, EPN E-22A is allowed a maximum hourly $PM/PM_{10}$ emission rate of 9.10 lb/hr and a maximum annual $PM/PM_{10}$ emission rate of 39.88 tpy.

(14) If Special Condition No. 11A is applicable for Furnace No. 1.

(15) If Special Condition No. 11A is applicable for Furnace No. 2.

(16) If Special Condition No. 11A is applicable for Furnace No. 5.

* Emission rates are based on and the facilities are limited by the maximum production rates and other representations as listed in the confidential file summary of this permit and by the following maximum operating schedule:

Hrs/day____Days/week____Weeks/year____ or Hrs/year 8,760

Dated March 14, 2003