

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 26002

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 | | Air Contaminant | | <u>Emission Rates *</u> | |
|---------------------------|--|----------|----------------------|-----|-------------------------|--------|
| | Name (2) | Name (3) | lb/hr | TPY | | |
| RTO1** | Dryer Regenerative Thermal Oxidizer 1 | | TSP | | 11.57 | 48.60 |
| | | | PM ₁₀ (a) | | 11.57 | 48.60 |
| | | | VOC | | 3.00 | 12.60 |
| | | | NO _x | | 23.96 | 100.64 |
| | | | SO ₂ | | 1.32 | 5.40 |
| | | | CO | | 18.23 | 76.58 |
| | | | HCHO (b) | | 0.56 | 2.34 |
| RTO2** | Dryer Regenerative Thermal Oxidizer 1 | | TSP | | 11.57 | 48.60 |
| | | | PM ₁₀ (a) | | 11.57 | 48.60 |
| | | | VOC | | 3.00 | 12.60 |
| | | | NO _x | | 23.96 | 100.64 |
| | | | SO ₂ | | 1.32 | 5.40 |
| | | | CO | | 18.23 | 76.58 |
| | | | HCHO (b) | | 0.56 | 2.34 |
| RTO3 | Press Regenerative Thermal Oxidizer 1 | | TSP | | 3.86 | 16.20 |
| | | | PM ₁₀ (b) | | 3.86 | 16.20 |
| | | | VOC | | 1.00 | 4.20 |
| | | | NO _x | | 8.56 | 35.94 |
| | | | SO ₂ | | 0.02 | 0.03 |
| | | | CO | | 18.23 | 76.58 |
| | | | HCHO (b) | | 0.28 | 1.17 |
| | | | MDI (b) | | <.01 | 0.01 |
| B-1 | Aspiration System Baghouse | | TSP | | 0.27 | 1.13 |
| | | | PM ₁₀ (a) | | 0.27 | 1.13 |
| B-2 | Mat Reject Baghouse | | TSP | | 0.11 | 0.07 |
| | | | PM ₁₀ (a) | | 0.11 | 0.07 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> | |
|---------------------------|--------------------|-----------------------------|-------------------------|------|
| | | | lb/hr | TPY |
| B-3 | Saw Line Baghouse | TSP | 0.83 | 3.49 |
| | | PM ₁₀ (a) | 0.83 | 3.49 |

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 | | |
| B-4 | Raw Fuel Bin Baghouse | | | TSP | 0.72 | 3.02 |
| | | | | PM ₁₀ (a) | 0.72 | 3.02 |
| B-5 | Finish Fuel Baghouse | | | TSP | 0.38 | 1.60 |
| | | | | PM ₁₀ (a) | 0.38 | 1.60 |
| B-6 | Sanderdust Cyclone (Emergency Use Only) | | | TSP | 0.71 | 2.28 |
| | | | | PM ₁₀ (a) | 0.71 | 2.28 |
| B-7 | Sanderdust Baghouse | | | TSP | 0.28 | 1.18 |
| | | | | PM ₁₀ (a) | 0.28 | 1.18 |
| R-1 | PF Tank 1 (4) | | | HCHO | 0.01 | <.01 |
| R-2 | PF Tank 2 (4) | | | HCHO | 0.01 | <.01 |
| R-3 | PF Work Tank (4) | | | HCHO | <.01 | <.01 |
| R-4 | MDI Tank 1 (4) | | | MDI | <.01 | <.01 |
| R-5 | MDI Tank 2 (4) | | | MDI | <.01 | <.01 |
| R-6 | MDI Work Tank (4) | | | MDI | <.01 | <.01 |
| T-1*** | Gasoline Tank 1 (4) | | | VOC | 0.16 | 0.51 |
| | | | | C ₆ H ₆ | 0.01 | 0.03 |
| T-2*** | Gasoline Tank 2 (4) | | | VOC | 0.16 | 0.51 |
| | | | | C ₆ H ₆ | 0.01 | 0.03 |
| T-3 | Diesel Tank 1 (4) | | | VOC | <.01 | <.01 |
| T-4 | Diesel Tank 2 (4) | | | VOC | <.01 | <.01 |
| F-1 | Log Processing (4) | | | TSP | 0.02 | 0.08 |
| | | | | PM ₁₀ (a) | 0.01 | 0.04 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> | |
|---------------------------|--------------------|-----------------------------|-------------------------|------|
| | | | lb/hr | TPY |
| F-2 | Roadways (4) | TSP | 0.62 | 2.59 |
| | | PM ₁₀ (a) | 0.31 | 1.29 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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
PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
TSP - total suspended particulate
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
HCHO - formaldehyde
MDI - methylene-diphenyl-diisocyanate
C₆H₅OH - phenol
C₆H₆ - benzene
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

A total maximum dryer throughput of 75 tons per hour and 382,830 tons per year of dried wafers for all five dryers; a total maximum press throughput of 64,000 ft² (3/8") per hour of waferboard; and a total maximum annual plant throughput of 410,000,000 square feet of 3/8 inches board processed, on a finished product basis.

** Emission rates from the RTO1 and RTO2 are based on the RTOs' operation of 8,400 hours per year.

*** Gasoline storage as per TNRCC Reg. V. Very negligible emissions are expected from these sources. These tanks (T1 - T2) and Diesel Tanks (T3-T4) are registered under Standard Exemption No. 14.

a. The PM₁₀ is also counted as wood dust and both are already included in the total TSP estimate.

b. The emissions of individual organic compounds (i.e., formaldehyde, phenol, MDI, etc.) are included in the total VOC estimate.

Dated _____