

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission * | Source | Air Contaminant | <u>Emission Rates</u> | |
|----------------------|-----------------|-----------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | <u>TPY</u> |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 26002 and PSD-TX-888

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 * | Source | Air Contaminant | <u>Emission Rates</u> | |
|----------------------|-----------------|------------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | <u>TPY</u> |
| RTOEAST | East Dryer RTO | PM ₁₀ | 13.54 | 59.29 |
| | | VOC | 14.77 | 64.68 |
| | | NO _x | 30.19 | 132.24 |
| | | SO ₂ | 1.34 | 5.86 |
| | | CO | 275.66 | 1207.39 |
| | | HCHO | 1.48 | 6.47 |
| RTOWEST | West Dryer RTO | PM ₁₀ | 13.54 | 59.29 |
| | | VOC | 14.77 | 64.68 |
| | | NO _x | 30.19 | 132.24 |
| | | SO ₂ | 1.34 | 5.86 |
| | | CO | 275.66 | 1207.39 |
| | | HCHO | 1.48 | 6.47 |
| RTOPRESS | Press RTO | PM ₁₀ | 9.58 | 41.97 |
| | | VOC | 5.23 | 22.89 |

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| Emission * | Source | Air Contaminant | <u>Emission Rates</u> | |
|----------------------|---------------------------|----------------------------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | <u>TPY</u> |
| | | NO _x | 12.02 | 52.66 |
| | | SO ₂ | 0.01 | 0.06 |
| | | CO | 36.59 | 160.26 |
| | | HCHO | 1.57 | 6.87 |
| | | MDI | 0.10 | 0.44 |
| | | C ₆ H ₅ OH | 0.33 | 1.43 |
| S-1 | Saw Line Collector | PM ₁₀ | 0.97 | 4.26 |
| | | VOC | 2.49 | 10.91 |
| S-2 | Aspiration System | PM ₁₀ | 0.50 | 2.17 |
| | Baghouse | VOC | 17.14 | 75.07 |
| | | HCHO | 0.26 | 1.14 |
| | | MDI | 0.02 | 0.06 |
| | | C ₆ H ₅ OH | 0.011 | 0.05 |
| S-3/4 | Raw Fuel Bin Collector | PM ₁₀ | 0.46 | 2.02 |
| | | VOC | 5.15 | 22.56 |
| S-5 | Material Reject Collector | PM ₁₀ | | 1.15 |
| | 5.02 | | | |
| | | VOC | 1.81 | 7.93 |
| | | HCHO | 0.05 | 0.22 |
| | | MDI | <0.01 | <0.01 |
| | | C ₆ H ₅ OH | <0.01 | <0.01 |
| S-6a | Tongue and Grove | PM ₁₀ | 0.90 | 3.94 |
| | Sanderdust Collector | VOC | 1.81 | 7.93 |
| S-6b | Tongue and Grove | PM ₁₀ | 0.90 | 3.94 |
| | Sanderdust Collector | VOC | 1.81 | 7.93 |
| S-7 | Sanderdust Receiving | PM ₁₀ | 0.02 | 0.07 |
| | Bin Baghouse | VOC | 0.03 | 0.13 |
| S-8 | Finish Fuel Bin | PM ₁₀ | 0.57 | 2.48 |

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AIR CONTAMINANTS DATA

| Emission * | Source | Air Contaminant | Emission Rates | |
|---------------|------------------------------------|-------------------------------|----------------|-------|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY |
| | Collector | VOC | 4.44 | 19.45 |
| S-9 | Thermal Oil Regrind Collector | PM ₁₀ | 0.31 | 1.35 |
| | | VOC | 2.42 | 10.60 |
| R-1 | PF Tank 1 | HCHO | 0.02 | <0.01 |
| R-2 | PF Tank 2 | HCHO | 0.02 | <0.01 |
| R-3 | MDI Tank 1 | MDI | <0.01 | <0.01 |
| R-4 | MDI Tank 2 | MDI | <0.01 | <0.01 |
| T-1 | Gasoline Tank 1 | VOC | 0.35 | 0.56 |
| | | C ₆ H ₆ | 0.02 | 0.03 |
| T-3 | Diesel Tank 1 | VOC | 0.13 | <0.01 |
| F-2 | Roadways | PM | -.-- | 8.29 |
| | | PM ₁₀ | -.-- | 4.14 |
| BARK | Bark Handling System | PM | 0.11 | 0.48 |
| | | PM ₁₀ | 0.04 | 0.17 |
| FINES | Excess Fuel System | PM | 0.01 | 0.06 |
| | | PM ₁₀ | 0.01 | 0.02 |
| TOH-1** | Thermal Oil Heater Bypass Stack | PM ₁₀ | 0.19 | 0.82 |
| | | VOC | 0.08 | 0.37 |
| | | NO _x | 4.20 | 18.40 |
| | | SO ₂ | 0.02 | 0.08 |
| | | CO | 1.05 | 4.60 |

| | | | | |
|-------|---------------------|------------------|-------|------|
| GEN-1 | Emergency Generator | PM ₁₀ | 1.85 | 0.19 |
| | | VOC | 0.15 | 0.02 |
| | | NO _x | 11.84 | 1.18 |
| | | SO ₂ | 3.24 | 0.32 |
| | | CO | 5.42 | 0.54 |
| FWP-1 | Fire Water Pump | PM ₁₀ | 0.33 | 0.03 |
| | | VOC | 0.25 | 0.02 |
| | | NO _x | 3.51 | 0.35 |
| | | SO ₂ | 1.23 | 0.12 |
| | | CO | 1.25 | 0.12 |
| PB-1 | Paint Booth | PM ₁₀ | 0.07 | 0.36 |
| | | VOC | 1.04 | 5.02 |

(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 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 General Rule 101.1.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

Speciated VOCs:***

HCHO - formaldehyde

MDI - methylene-diphenyl-diisocyanate

C₆H₅OH - phenol

C₆H₆ - benzene

(4) Fugitive emissions are an estimate.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

** The thermal oil heaters vent to the atmosphere through this bypass stack only when these thermal oil heaters use gas as fuel.

*** Note that the speciated VOCs are included in the total VOC emission rate.

Dated_____