

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19781

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> | |
|---------------------------|---|-----------------------------|-----------------------|------------|
| | | | <u>lb/hr</u> | <u>TPY</u> |
| 001 | Boiler No. 1 Cyclone Vent (5) 2.53 | VOC | | 0.65 |
| | | NO _x | 1.37 | 5.34 |
| | | SO _x | 0.27 | 1.05 |
| | | PM ₁₀ | 9.50 | 37.07 |
| | | CO | 23.76 | 92.66 |
| 002 | Boiler No. 2 Cyclone Vent (5) 1.92 | VOC | | 0.49 |
| | | NO _x | 1.04 | 4.05 |
| | | SO _x | 0.20 | 0.80 |
| | | PM ₁₀ | 7.21 | 28.11 |
| | | CO | 18.02 | 70.27 |
| | Kiln No. 1 (4)(6) | VOC | 19.73 | |
| | Kiln No. 2 (4)(6) | VOC | 14.96 | |
| | Total Wood Drying (Kilns 1 and 2) (4)(6) | VOC | | 144.30 |
| | Debarking Operations (4)(7) 2.01 | PM | | 1.61 |
| | | PM ₁₀ | 0.80 | 1.01 |
| | Saw A (4)(8) | PM | 1.94 | |
| | | PM ₁₀ | 0.97 | |
| | Saw B (4)(8) | PM | 0.34 | |
| | | PM ₁₀ | 0.17 | |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|------------------------------|-----------------------------|----------------|-------|
| | | | lb/hr | TPY |
| | Sawing Operations (4)(8) | PM | | 2.85 |
| | | PM ₁₀ | | 1.42 |
| | Planer Cyclone (9) | PM | 3.28 | 4.10 |
| | | PM ₁₀ | 1.64 | 2.05 |
| | Chipper A (4)(10) | PM | 0.03 | |
| | | PM ₁₀ | 0.01 | |
| | Chipper B (4)(10) | PM | 0.01 | |
| | | PM ₁₀ | 0.01 | |
| | Chipping Operations (4) (10) | | PM | |
| | 0.05 | | | |
| | | PM ₁₀ | | 0.03 |
| | Cut-off (4)(11) | PM | 0.68 | 0.85 |
| | | PM ₁₀ | 0.34 | 0.43 |
| | Loadout (4)(12) | PM | 18.94 | 23.68 |
| | | PM ₁₀ | 9.48 | 11.84 |

(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 General Rules 101.1.

NO_x - total oxides of nitrogen

SO_x - total oxides of sulfur

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

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microns is emitted.

CO - carbon monoxide

PM - total suspended particulate, including PM₁₀

- (4) Fugitive emissions are an estimate only.
- (5) Emission rates are based on and the facilities are limited by the following maximum operating schedule:
- Hrs/week 150 Weeks/year 52 or Hrs/year 7,800
- (6) Emission rates are based on and the facilities are limited a daily throughput of 128,000 board feet for Kiln 1, a daily throughput of 97,050 board feet for Kiln 2 and a combined annual throughput of 78,000,000 board feet.
- (7) Emission rates are based on and the facilities are limited to a daily throughput of 1,950 tons and an annual throughput of 585,000 tons of logs.
- (8) Emission rates are based on and the facilities are limited an hourly throughput of 110.6 tons for Saw A, an hourly throughput of 19.5 tons for Saw B and a combined annual throughput of 325,250 tons of wood.
- (9) Emission rates are based on and the facilities are limited to an hourly throughput of 93.6 tons and an annual throughput of 234,000 tons of wood.
- (10) Emission rates are based on and the facilities are limited an hourly throughput of 23.5 tons for Chipper A, an hourly throughput of 10.1 tons for Chipper B and a combined annual throughput of 84,000 tons of wood.
- (11) Emission rates are based on and the facilities are limited to an hourly throughput of 3.9 tons and an annual throughput of 9,750 tons of wood.

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(12) Emission rates are based on and the facilities are limited the following wood throughputs:

FW Loadout: 18.8 tons per hour and 47,000 tons per year

Bark Loadout: 4.1 tons per hour and 10,075 tons per year

Chip Loadout: 33.6 tons per hour and 83,850 tons per year

Shavings Loadout: 9.4 tons per hour and 23,400 tons per year

Dated_____