

Emission Sources - Maximum Allowable Emission Rates

Permit Number 84723

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, sources, and related activities. 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 (6) * | |
|------------------------|------------------------|--------------------------|----------------------|--------|
| | | | lbs/hour | TPY ** |
| WP1-TR1 | Tunnel Belt (4) | PM | 0.04 | 0.12 |
| | | PM ₁₀ | 0.01 | 0.04 |
| WP1-SC1 | Screen (4) | PM | 1.32 | 3.63 |
| | | PM ₁₀ | 0.44 | 1.22 |
| WP1-TR1S | Conveyor Transfer (4) | PM | 0.08 | 0.23 |
| | | PM ₁₀ | 0.03 | 0.08 |
| WP1-DP1 | Unit 2 Screen (4) | PM | 0.51 | 0.51 |
| | | PM ₁₀ | 0.24 | 0.24 |
| WP1-CR1 | Crusher (4) | PM | 0.12 | 0.12 |
| | | PM ₁₀ | 0.06 | 0.06 |
| WP1-TR2 | Convey Transfer (4) | PM | 0.01 | 0.04 |
| | | PM ₁₀ | <0.01 | 0.01 |
| WP1-TR3 | Convey Transfer (4) | PM | 0.08 | 0.23 |
| | | PM ₁₀ | 0.03 | 0.08 |
| WP1-TR4 | Convey Transfer (4) | PM | 0.08 | 0.23 |
| | | PM ₁₀ | 0.03 | 0.08 |
| WP1-TR5 | Convey Transfer (4) | PM | 0.08 | 0.23 |
| | | PM ₁₀ | 0.03 | 0.08 |
| WP1-TR6 | Convey Transfer (4) | PM | 0.08 | 0.23 |
| | | PM ₁₀ | 0.03 | 0.08 |
| WP1-SC2 | Sand Wet Screen (4) | PM | 0.14 | 0.41 |
| | | PM ₁₀ | 0.05 | 0.14 |
| WP1-TR7 | Convey Transfer (4) | PM | 0.02 | 0.05 |
| | | PM ₁₀ | 0.01 | 0.02 |
| WP1-TR8 | Convey Transfer (4)(5) | PM | 0.02 | 0.05 |

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| | | PM ₁₀ | 0.01 | 0.02 |
|----------|--------------------------|------------------|-------|------|
| WP1-TR9 | Convey Transfer (4)(5) | PM | -- | -- |
| | | PM ₁₀ | -- | -- |
| WP1-TR10 | Convey Transfer (4)(5) | PM | -- | -- |
| | | PM ₁₀ | -- | -- |
| WP1-DP2 | Hopper (4) | PM | 0.76 | 2.29 |
| | | PM ₁₀ | 0.36 | 1.08 |
| WP1-TR11 | Convey Transfer (4) | PM | 0.02 | 0.06 |
| | | PM ₁₀ | 0.01 | 0.02 |
| WP1-SC3 | Aggregate Wet Screen (4) | PM | 0.04 | 0.11 |
| | | PM ₁₀ | 0.01 | 0.04 |
| WP1-TR12 | Convey Transfer (4) | PM | 0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | 0.01 |
| WP1-SP1 | Storage Area (4) | PM | -- | 0.27 |
| | | PM ₁₀ | -- | 0.13 |
| WP1-SP2 | Storage Area (4) | PM | -- | 0.10 |
| | | PM ₁₀ | -- | 0.05 |
| WP1-SP3 | Storage Area (4) | PM | -- | 0.10 |
| | | PM ₁₀ | -- | 0.05 |
| WP1-SP4 | Storage Area (4) | PM | -- | 0.22 |
| | | PM ₁₀ | -- | 0.10 |
| WP1-SP5 | Storage Area (4) | PM | -- | 0.06 |
| | | PM ₁₀ | -- | 0.03 |
| WP1-SP6 | Storage Area (4) | PM | -- | 0.06 |
| | | PM ₁₀ | -- | 0.03 |
| WP1-SP7 | Storage Area (4) | PM | -- | 0.06 |
| | | PM ₁₀ | -- | 0.03 |
| WP1-SP8 | Storage Area (4) | PM | -- | 0.06 |
| | | PM ₁₀ | -- | 0.03 |

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- (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 - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- (4) Fugitive emissions are an estimate only.
- (5) Sand transfer can be through any combination of these tree conveyor transfer points. Emission have been calculated using the maximum throughput of material that can pass through one point or all three points, simultaneously, in any given hour.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

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

____Hrs/Day ____Days/Week ____Weeks/Year or 6,000 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Maximum Plant Throughput Rates:

| | | |
|------------------------|----------------|----------------------|
| Screen (EPN WP1-SC1): | <u>600</u> TPH | <u>3,300,000</u> TPY |
| Crusher (EPN WP1-CR1): | <u>100</u> TPH | <u>200,000</u> TPY |

Date: March 26, 2019