Emission Sources - Maximum Allowable Emission Rates

Permit Number 141957

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 | |
|---|---|---|---|---|
| | | | lbs/hour | TPY (4) |
| CR-1 | Concrete Crusher (5) | PM | 0.04 | 0.07 |
| | | $PM_{10}$ | 0.02 | 0.03 |
| | | $PM_{2.5}$ | <0.01 | <0.01 |
| CR SCR | Concrete Screener (5) | PM | 0.44 | 1.20 |
| | | $PM_{10}$ | 0.15 | 0.40 |
| | | $PM_{2.5}$ | 0.01 | 0.03 |
| C-MH | Concrete Crusher Material Handling (5)<br><br>(Loading Crusher Hopper, Screener Drop & Conveyor Transfer Points) | PM | 0.06 | 0.08 |
| | | $PM_{10}$ | 0.02 | 0.02 |
| | | $PM_{2.5}$ | 0.02 | 0.02 |
| C-STK-ENG | Concrete Stacker Engine Stack | $NO_x$ | 0.55 | 0.86 |
| | | VOC | 0.13 | 0.20 |
| | | CO | 0.18 | 0.28 |
| | | $SO_2$ | 0.16 | 0.25 |
| | | PM | 0.04 | 0.06 |
| | | $PM_{10}$ | 0.04 | 0.06 |
| | | $PM_{2.5}$ | 0.04 | 0.06 |
| CC TL | Truck Loading No. 1 (5) | PM | 0.03 | 0.04 |
| | | $PM_{10}$ | <0.01 | 0.01 |
| | | $PM_{2.5}$ | <0.01 | <0.01 |

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| | | | | |
|---|---|---|---|---|
| PG SCR | Pug Mill Screener (5) | PM | 0.77 | 1.20 |
| | | $PM_{10}$ | 0.26 | 0.40 |
| | | $PM_{2.5}$ | 0.02 | 0.03 |
| PMS-ENG | Pug Mill Screener Engine Stack | $NO_x$ | 0.68 | 1.06 |
| | | VOC | 0.18 | 0.29 |
| | | CO | 0.72 | 1.13 |
| | | $SO_2$ | 0.23 | 0.35 |
| | | PM | 0.05 | 0.08 |
| | | $PM_{10}$ | 0.05 | 0.08 |
| | | $PM_{2.5}$ | 0.05 | 0.08 |
| PMS-MH | Pug Mill Screener Material Handling (5) (Loading Screener & Screener Drop Points) | PM | 0.15 | 0.24 |
| | | $PM_{10}$ | 0.06 | 0.09 |
| | | $PM_{2.5}$ | 0.03 | 0.03 |
| MH-PML | Pug Mill Loading (5) | PM | 0.07 | 0.11 |
| | | $PM_{10}$ | 0.02 | 0.04 |
| | | $PM_{2.5}$ | <0.01 | 0.01 |
| SILO-1 | Silo Vent | PM | 0.10 | 0.02 |
| | | $PM_{10}$ | 0.07 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | <0.01 |
| MH-10 | Mixing Chamber Discharge Drop Point (5) | PM | 0.07 | 0.11 |
| | | $PM_{10}$ | 0.02 | 0.04 |
| | | $PM_{2.5}$ | <0.01 | 0.01 |
| MH-TL2 | Truck Loading No. 2 (5) | PM | 0.07 | 0.11 |
| | | $PM_{10}$ | 0.02 | 0.04 |
| | | $PM_{2.5}$ | <0.01 | 0.01 |
| MH-WPL | Wash Plant Loading (5) | PM | <0.01 | 0.01 |
| | | $PM_{10}$ | <0.01 | <0.01 |

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| | | | | |
|---|---|---|---|---|
| | | $PM_{2.5}$ | <0.01 | <0.01 |
| WP-STK-ENG | Wash Plant Stacker Engine Stack | $NO_x$ | 0.55 | 0.86 |
| | | VOC | 0.13 | 0.20 |
| | | CO | 0.18 | 0.28 |
| | | $SO_2$ | 0.16 | 0.25 |
| | | PM | 0.04 | 0.06 |
| | | $PM_{10}$ | 0.04 | 0.06 |
| | | $PM_{2.5}$ | 0.04 | 0.06 |
| MH-TL3 | Truck Loading No. 3 (5) | PM | 0.07 | 0.11 |
| | | $PM_{10}$ | 0.02 | 0.04 |
| | | $PM_{2.5}$ | <0.01 | 0.01 |
| TS-MH | Top Soil Screener Material Handling (5) | PM | 0.15 | 0.24 |
| | | $PM_{10}$ | 0.06 | 0.09 |
| | | $PM_{2.5}$ | 0.03 | 0.03 |
| TP SCR | Top Soil Screener (5) | PM | 0.77 | 1.20 |
| | | $PM_{10}$ | 0.26 | 0.40 |
| | | $PM_{2.5}$ | 0.02 | 0.03 |
| TS-ENG | Top Soil Screener Engine Stack | $NO_x$ | 0.99 | 1.54 |
| | | VOC | 0.16 | 0.25 |
| | | CO | 0.38 | 0.60 |
| | | $SO_2$ | 0.20 | 0.31 |
| | | PM | 0.05 | 0.07 |
| | | $PM_{10}$ | 0.05 | 0.07 |
| | | $PM_{2.5}$ | 0.05 | 0.07 |
| PMTS-STK-ENG | Pug Mill/Top Soil Stacker Engine Stack | $NO_x$ | 0.55 | 0.86 |
| | | VOC | 0.13 | 0.20 |
| | | CO | 0.18 | 0.28 |
| | | $SO_2$ | 0.16 | 0.25 |
| | | PM | 0.04 | 0.06 |

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| | | | | |
|---|---|---|---|---|
| | | $PM_{10}$ | 0.04 | 0.06 |
| | | $PM_{2.5}$ | 0.04 | 0.06 |
| MH-TL4 | Truck Loading No. 4 (5) | PM | 0.07 | 0.11 |
| | | $PM_{10}$ | 0.02 | 0.04 |
| | | $PM_{2.5}$ | <0.01 | 0.01 |
| ST-1 | Stockpiles (5) | PM | - | 2.26 |
| | | $PM_{10}$ | - | 1.13 |
| | | $PM_{2.5}$ | - | 0.17 |
| CC ENG | Concrete Crusher Engine Stack | $NO_x$ | 1.23 | 1.92 |
| | | CO | 1.32 | 2.05 |
| | | VOC | 0.33 | 0.52 |
| | | $SO_2$ | 0.41 | 0.64 |
| | | PM | 0.10 | 0.15 |
| CS-ENG | Concrete Screener Engine Stack | $PM_{10}$ | 0.10 | 0.15 |
| | | $PM_{2.5}$ | 0.10 | 0.15 |
| | | $NO_x$ | 0.69 | 1.07 |
| | | CO | 0.73 | 1.14 |
| | | VOC | 0.19 | 0.29 |
| | | $SO_2$ | 0.23 | 0.36 |
| | | PM | 0.05 | 0.09 |
| | | $PM_{10}$ | 0.05 | 0.09 |
| | | $PM_{2.5}$ | 0.05 | 0.09 |

(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 Title 30 Texas Administrative Code § 101.1
$NO_x$ - total oxides of nitrogen
$SO_2$ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including $PM_{10}$ and $PM_{2.5}$, as represented
$PM_{10}$ - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: October 21, 2019