Emission Sources - Maximum Allowable Emission Rates

Permit Number 25937

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 (4) |
| 1 | Grinding Apron Feeder (5) | PM | 0.07 | 0.14 |
| | | $PM_{10}$ | 0.03 | 0.06 |
| | | $PM_{2.5}$ | 0.03 | 0.06 |
| 2 | Grinding Drop Point (5) | PM | 0.07 | 0.14 |
| | | $PM_{10}$ | 0.03 | 0.06 |
| | | $PM_{2.5}$ | 0.03 | 0.06 |
| 3 | Grinding Apron Feeder (5) | PM | 0.07 | 0.14 |
| | | $PM_{10}$ | 0.03 | 0.06 |
| | | $PM_{2.5}$ | 0.03 | 0.06 |
| 4 | Grinding Drop Point (5) | PM | 0.07 | 0.14 |
| | | $PM_{10}$ | 0.03 | 0.06 |
| | | $PM_{2.5}$ | 0.03 | 0.06 |
| 5 | Grinding Dust Collector No. 1 | PM | 5.10 | 10.20 |
| | | $PM_{10}$ | 5.10 | 10.20 |
| | | $PM_{2.5}$ | 5.10 | 10.20 |
| 6 | Grinding Drop Point (5) | PM | 0.01 | 0.02 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| 7 | Grinding Screw Blender (5) | PM | 0.02 | 0.03 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| 8 | Grog Apron Feeder (5) | PM | 0.11 | 0.11 |
| | | $PM_{10}$ | 0.11 | 0.11 |
| | | $PM_{2.5}$ | 0.11 | 0.11 |

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| | | | | |
|---|---|---|---|---|
| 9 | Grog Dust Collector (5) | PM | 3.00 | 6.00 |
| | | $PM_{10}$ | 3.00 | 6.00 |
| | | $PM_{2.5}$ | 3.00 | 6.00 |
| 24 | BTP Ground Clay Feeder (5) | PM | 0.13 | 0.26 |
| | | $PM_{10}$ | 0.13 | 0.26 |
| | | $PM_{2.5}$ | 0.13 | 0.26 |
| 24a | BTP Drop Point (5) | PM | 0.13 | 0.26 |
| | | $PM_{10}$ | 0.13 | 0.26 |
| | | $PM_{2.5}$ | 0.13 | 0.26 |
| 26 | BTP Tunnel Dryer Stack | PM | 0.37 | 1.63 |
| | | $PM_{10}$ | 0.37 | 1.63 |
| | | $PM_{2.5}$ | 0.37 | 1.63 |
| 27 | BTP Tunnel Dryer Stack | PM | 0.37 | 1.63 |
| | | $PM_{10}$ | 0.37 | 1.63 |
| | | $PM_{2.5}$ | 0.37 | 1.63 |
| 28 | BTP Tunnel Dryer Stack | PM | 0.37 | 1.63 |
| | | $PM_{10}$ | 0.37 | 1.63 |
| | | $PM_{2.5}$ | 0.37 | 1.63 |
| 29 | BTP Scrubber Bypass Stack | PM | 32.86 | 0.82 |
| | | $PM_{10}$ | 32.86 | 0.82 |
| | | $PM_{2.5}$ | 32.86 | 0.82 |
| | | $NO_x$ | 7.37 | 0.18 |
| | | CO | 27.80 | 0.70 |
| | | VOC (total) | 6.57 | 0.16 |
| | | $SO_2$ | 44.35 | 1.11 |
| | | HF | 10.11 | 0.25 |
| | | HCl | 4.84 | 0.12 |
| 30 | BTP Scrubber Stack | PM | 18.45 | 80.81 |
| | | $PM_{10}$ | 18.45 | 80.81 |

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| | | | | |
|---|---|---|---|---|
| | | $PM_{2.5}$ | 18.45 | 80.81 |
| | | $NO_x$ | 7.37 | 32.29 |
| | | CO | 23.76 | 104.06 |
| | | VOC (total) | 6.57 | 28.78 |
| | | $SO_2$ | 19.00 | 83.20 |
| | | HF | 0.30 | 1.30 |
| | | HCl | 0.20 | 0.92 |
| 31 | BTP Kiln Dump Stack | PM | 1.97 | 8.63 |
| | | $PM_{10}$ | 1.97 | 8.63 |
| | | $PM_{2.5}$ | 1.97 | 8.63 |
| 32 | BTP MFG Dust Collector | PM | 0.63 | 1.27 |
| | | $PM_{10}$ | 0.63 | 1.27 |
| | | $PM_{2.5}$ | 0.63 | 1.27 |
| 33 | Diesel Tank (1,000 gal) | VOC | 0.01 | 0.04 |
| 34 | Gasoline Tank (500 gal) | VOC | 0.01 | 0.04 |
| 40 | BTP MFG Building Fugitives (5) | PM | 0.01 | 0.01 |
| | | $PM_{10}$ | 0.01 | 0.01 |
| | | $PM_{2.5}$ | 0.01 | 0.01 |
| 42 | Grog Building Fugitives (5) | PM | 0.04 | 0.08 |
| | | $PM_{10}$ | 0.02 | 0.04 |
| | | $PM_{2.5}$ | 0.02 | 0.04 |
| 43 | Stockpile Fugitives (5) | PM | -.-- | 7.23 |
| | | $PM_{10}$ | -.-- | 3.61 |
| | | $PM_{2.5}$ | -.-- | 3.61 |
| 44 | Stockpile Apron Feeder (5) | PM | 0.07 | 0.14 |
| | | $PM_{10}$ | 0.03 | 0.06 |
| | | $PM_{2.5}$ | 0.03 | 0.06 |
| 45 | Stockpile Drop Point (5) | PM | 0.07 | 0.14 |

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| | | | | |
|---|---|---|---|---|
| | | $PM_{10}$ | 0.03 | 0.06 |
| | | $PM_{2.5}$ | 0.03 | 0.06 |
| | Site-Wide | Individual HAP | -.-- | <10 |
| | | Combined HAPs | -.-- | <25 |

(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
HF - hydrogen fluoride
HCl - hydrochloric acid
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(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.
(6) Planned Startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: January 16, 2019