EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 70861 and PSDTX1039

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) |
| S01 | Pulverized Coal (PC) Boiler (8,185 MMBtu/hr) | $NO_x$ (30-day) | 573 | 1,793 |
| | | $NO_x$ (1-hr) | 1,637 | -- |
| | | $SO_2$ (30-day) | 982 | 3,585 |
| | | $SO_2$ (1-hr) | 2,456 | -- |
| | | $PM/PM_{10}$ (filterable) | 123 | 538 |
| | | $PM/PM_{10}$ (total) | 327 | 1,434 |
| | | CO (30-day) | 1,228 | 5,378 |
| | | CO (1-hr) | 2,456 | -- |
| | | VOC | 29 | 129 |
| | | Organic HAP | -- | 8.5 |
| | | Sulfuric acid mist | 127 | 133 |
| | | Hydrogen fluoride | 2.2 | 9.7 |
| | | Hydrogen chloride | 2.2 | 9.7 |
| | | Total Halogenated Acids (5) | -- | 10.7 |
| | | Ammonia | 41 | 55 |
| | | Lead | 0.55 | 0.41 |
| | | Mercury | 0.94 | 0.075 |
| S01 | Startup Emissions - PC Boiler | $NO_x$ | 964 | -- |
| | | $SO_2$ | 2,892 | -- |
| | | $PM/PM_{10}$ (filterable) | 123 | -- |
| | | | | |

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| | | | | |
|---|---|---|---|---|
| | | $PM/PM_{10}$ (total) | 327 | -- |
| | | CO | 1,228 | -- |
| | | VOC | 43 | -- |
| | | Sulfuric acid mist | 111 | -- |
| | | Hydrogen fluoride | 6 | -- |
| | | Hydrogen chloride | 3 | -- |
| | | Ammonia | 41 | |
| | | Lead | 0.55 | -- |
| | | Mercury | 0.90 | -- |
| S02 | Natural Gas-fired Auxiliary Boiler (175 MMBtu/hr) | $NO_x$ | 1.8 | 0.44 |
| | | $SO_2$ | 0.11 | 0.026 |
| | | CO | 6.1 | 1.53 |
| | | $PM/PM_{10}$ | 0.88 | 0.22 |
| | | VOC | 0.70 | 0.18 |
| S33 | Diesel-fired Emergency Generator (1500 kW) | $NO_x$ | 38.8 | 10 |
| | | $SO_2$ | 0.86 | 0.19 |
| | | CO | 2.9 | 0.72 |
| | | $PM/PM_{10}$ | 0.24 | 0.061 |
| | | VOC | 1.6 | 0.40 |
| S34 | Diesel-fired Emergency Fire Water Pump (450 hp) | $NO_x$ | 14 | 1.0 |
| | | $SO_2$ | 0.16 | 0.012 |
| | | CO | 3.0 | 0.22 |
| | | $PM/PM_{10}$ | 1.0 | 0.073 |
| | | VOC | 1.1 | 0.083 |
| S03a | Railcar Coal Unloading - Baghouse Vent | PM | 0.28 | 0.15 |

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| | | | | |
|---|---|---|---|---|
| | | $PM_{10}$ | 0.13 | 0.072 |
| S03b | Railcar Coal Unloading - Coal Dust Fugitives (6) | PM | 0.28 | 0.15 |
| | | $PM_{10}$ | 0.13 | 0.072 |
| S05 | Stackout Conveyor #1 - Coal Dust Fugitives (6) | PM | 0.36 | 0.20 |
| | | $PM_{10}$ | 0.17 | 0.094 |
| S06 | Stackout Conveyor #2 - Coal Dust Fugitives (6) | PM | 0.36 | 0.20 |
| | | $PM_{10}$ | 0.17 | 0.094 |
| S07 | Active Coal Pile #1 - Coal Dust Fugitives (6) | PM | 0.14 | 0.59 |
| | | $PM_{10}$ | 0.068 | 0.30 |
| S08 | Active Coal Pile #2 - Coal Dust Fugitives (6) | PM | 0.14 | 0.59 |
| | | $PM_{10}$ | 0.068 | 0.30 |
| S09 | Active Coal Pile Reclaim - Baghouse Vent | PM | 0.020 | 0.043 |
| | | $PM_{10}$ | 0.0093 | 0.020 |
| S10 | Reclaim Conveyor #1 - Coal Dust Fugitives (6) | PM | 0.085 | 0.18 |
| | | $PM_{10}$ | 0.040 | 0.087 |
| S11 | Coal Transfer Tower - Baghouse Vent | PM | 0.53 | 0.46 |
| | | $PM_{10}$ | 0.25 | 0.22 |
| S12 | Reclaim Conveyor #2 - Coal Dust Fugitives (6) | PM | 0.26 | 0.57 |
| | | $PM_{10}$ | 0.12 | 0.27 |
| S13 | Tripper Deck Silo Bay - Enclosed Conveyor - Baghouse Vent | PM | 0.012 | 0.027 |
| | | $PM_{10}$ | 0.0059 | 0.013 |
| S14 | Inactive Coal Pile - Coal Dust Fugitives (6) | PM | 0.26 | 1.14 |
| | | $PM_{10}$ | 0.13 | 0.57 |
| S15 | Bottom Ash Conveyor & Drop to Bunker - Dust Fugitives (6) | PM | 0.0014 | 0.0014 |
| | | $PM_{10}$ | 0.00064 | 0.00068 |

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| | | | | |
|---|---|---|---|---|
| S16 | Bottom Ash Bunker - Truck Loadout - Dust Fugitives (6) | PM | 0.041 | 0.0057 |
| | | $PM_{10}$ | 0.019 | 0.0027 |
| S18 | Fly Ash Silo - Conveyor Loading - Baghouse Vent | PM | 0.31 | 0.39 |
| | | $PM_{10}$ | 0.11 | 0.14 |
| S23 | Fly Ash Transfer Point #1 - Baghouse Vent | PM | 0.034 | 0.021 |
| | | $PM_{10}$ | 0.016 | 0.010 |
| S24 | Fly Ash Transfer Point #2 - Dust Fugitives (6) | PM | 0.044 | 0.027 |
| | | $PM_{10}$ | 0.021 | 0.013 |
| S26 | Fly Ash Landfill - Dust Fugitives (6) | PM | 0.31 | 1.36 |
| | | $PM_{10}$ | 0.16 | 0.68 |
| S27a | Railcar Lime Unloading - Baghouse Vent | PM | 0.34 | 0.0056 |
| | | $PM_{10}$ | 0.15 | 0.0025 |
| S27b | Railcar Lime Unloading - Dust Fugitives (6) | PM | 0.090 | 0.0015 |
| | | $PM_{10}$ | 0.043 | 0.0007 |
| S28 | Lime Receiving Conveyor - Dust Fugitives (6) | PM | 1.67 | 0.027 |
| | | $PM_{10}$ | 0.79 | 0.013 |
| S29 | Lime Silo - Conveyor Loading - Baghouse Vent | PM | 0.090 | 0.0015 |
| | | $PM_{10}$ | 0.043 | 0.0007 |
| S30 | Urea Silo - Pneumatic Loading - Baghouse Vent | PM | 0.24 | 0.001 |
| | | $PM_{10}$ | 0.11 | 0.00048 |
| S39 | Aqueous Ammonia Fugitives (6) | Ammonia | 0.16 | 0.70 |
| S32 | Cooling Tower | $PM_{10}$ | 11 | 50 |
| S36 | Diesel Fuel Storage Tank (8,000 gallons) | VOC | 1.18 | 3.32 |
| S37 | Diesel Fuel Storage Tank (2,000 gallons) | VOC | 0.42 | 1.06 |
| S38 | Diesel Fuel Storage Tank | VOC | 0.42 | 1.06 |

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| | | | | |
|---|---|---|---|---|
| | (500 gallons) | | | |

(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) $NO_X$ - total oxides of nitrogen
$SO_2$ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including $PM_{10}$ and $PM_{2.5}$
$PM_{10}$ - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
HAP - hazardous air pollutants
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Total halogenated acids equals the sum of hydrogen chloride and hydrogen fluoride emissions. Although separate annual emission limits are established for HCl and HF, total annual emissions of these air pollutants shall not exceed the single annual emission limit for total halogenated acids.
(6) Fugitive emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.

Date: May 5, 2011