

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

3126A

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) | Emission Rates * | |
|---------------------------|---|-----------------------------|------------------|-------|
| | | | lb/hr | TPY |
| Primary Boiler | | | | |
| 2-107 | Steam Generator B (100 MMBtu/hr heat input) Natural Gas Firing | CO | 3.19 | 13.95 |
| | | NOx | 12.74 | 55.81 |
| | | PM10 | 0.46 | 1.99 |
| | | SO2 | 0.05 | 0.24 |
| | | VOC | 0.25 | 1.12 |
| 2-107 | Steam Generator B (100 MMBtu/hr heat input) Fuel Oil Firing (5) | CO | 1.94 | 0.70 |
| | | NOx | 10.54 | 3.80 |
| | | PM10 | 0.15 | 0.06 |
| | | SO2 | 1.90 | 8.33 |
| | | VOC | 0.07 | 0.03 |
| 2-107 | Steam Generator B (100 MMBtu/hr heat input) Copolymer VOC Gas Firing (6) | CO | 3.20 | 1.08 |
| | | NOx | 12.81 | 4.31 |
| | | PM10 | 0.46 | 0.16 |
| | | SO2 | 0.04 | 0.02 |
| | | VOC | 0.26 | 0.09 |
| Backup Boiler | | | | |
| 2-108 | Steam Generator A (100 MMBtu/hr heat input) Natural Gas Firing | CO | 3.19 | 13.95 |
| | | NOx | 12.74 | 55.81 |
| | | PM10 | 0.46 | 1.99 |
| | | SO2 | 0.05 | 0.24 |
| | | VOC | 0.25 | 1.12 |
| 2-108 | Steam Generator A (100 MMBtu/hr heat input) Fuel Oil Firing (7) | CO | 1.94 | 0.70 |
| | | NOx | 10.54 | 3.80 |
| | | PM10 | 0.15 | 0.06 |

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|--|--|-----|------|------|
| | | SO2 | 1.90 | 8.33 |
| | | VOC | 0.07 | 0.03 |

| | | | | |
|-------|-------------------|-----|-------|------|
| 3-105 | Solvent Tank 1704 | VOC | 15.72 | 0.17 |
|-------|-------------------|-----|-------|------|

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|-------|-----------|-----|-------|------|
| 3-106 | Tank 1705 | VOC | 15.72 | 0.17 |
|-------|-----------|-----|-------|------|

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|------------------------------|-----------------------------|------------------|------|
| | | | lb/hr | TPY |
| 3-107 | Tank 1706 | VOC | 23.31 | 0.27 |
| 3-108 | Tank 1901 | VOC | 1.65 | 0.38 |
| 3-109 | Tank 1902 | VOC | 1.65 | 0.38 |
| 3-110 | Tank 1903 | VOC | 1.65 | 0.38 |
| 3-114LR | Propane Loading | VOC | 0.81 | 3.53 |
| 3-115 | Slop Oil Tank 401 | VOC | 15.18 | 0.36 |
| 3-147 | Pellet Dryer Exhaust Fans | PM10 | 0.02 | 0.10 |
| | | VOC | 0.02 | 0.10 |
| 3-148 | Pellet Dryer Exhaust Fans | PM10 | 0.02 | 0.10 |
| | | VOC | 0.02 | 0.10 |
| 3-149 to 3-178 | Blenders/Silos | PM10 | 0.11 | 0.50 |
| 3-180 | Hopper Car Loading | PM10 | 0.07 | 0.30 |
| 3-189 | Gas Heater A Propane Fuel | CO | 0.01 | 0.05 |
| | | NOx | 0.09 | 0.40 |
| | | PM10 | 0.01 | 0.05 |
| | | VOC | <0.01 | 0.01 |
| 3-206 | Burn Pit | CO | 0.07 | 0.31 |
| | | NOx | 0.28 | 1.22 |

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|-------|-----------------------|-----|-------|-------|
| | | PM | 0.01 | 0.03 |
| | | VOC | 0.01 | 0.02 |
| 3-209 | Flare | CO | 5.6 | 24.5 |
| | | NOx | 1.0 | 4.4 |
| | | VOC | 14.32 | 59.50 |
| 3-300 | Cooling Tower (4) | VOC | 0.63 | 2.76 |
| 3-210 | Process Fugitives (4) | VOC | 8.08 | 35.4 |

- (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 Rule 101.1
 NOx - total oxides of nitrogen
 SO2 - sulfur dioxide
 PM - particulate matter
 PM10 - particulate matter less than 10 microns
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Fuel oil firing is limited to 30 days per calendar year at 0.3 weight percent sulfur.
- (6) Block copolymer VOC waste gas firing is limited to 28 days per calendar year.
- (7) Fuel oil firing is limited to 30 days per calendar year at 0.3 weight percent sulfur when Steam Boiler B is not operational.

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

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,760

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Revised_____