

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1467

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 * | Source | Air Contaminant | <u>Emission Rates</u> | |
|------------------|--------------|-----------------|-----------------------|--|
| <u>Point No.</u> | (1) Name (2) | Name (3) | lb/hr | |
| <u>TPY</u> | | | | |

NATURAL GAS FIRING - 8,520 HRS

| | | | | |
|------|--|---------------------|-------|--------|
| S4-1 | WESTINGHOUSE MODEL W501-B6 TURBINE WITH 124 MMBTU/HR DUCT BURNER | NO _x | 188.1 | 655.1 |
| | | CO | 839.7 | 1619.2 |
| | | SO ₂ (7) | 17.3 | 11.5 |
| | | VOC | 6.8 | 18.3 |
| | | PM/PM ₁₀ | 17.4 | 70.7 |
| S4-2 | WESTINGHOUSE MODEL W501-B6 TURBINE WITH 124 MMBTU/HR DUCT BURNER | NO _x | 188.1 | 655.1 |
| | | CO | 839.7 | 1619.2 |
| | | SO ₂ (7) | 17.3 | 11.5 |
| | | VOC | 6.8 | 18.3 |
| | | PM/PM ₁₀ | 17.4 | 70.7 |

COMBINED FIRING - 7,824 HRS NATURAL GAS AND 696 HRS FUEL OIL (4) (5)

| | | | | |
|------|--|---------------------|-------|--------|
| S4-1 | WESTINGHOUSE MODEL W501-B6 TURBINE WITH 124 MMBTU/HR DUCT BURNER | NO _x | 324.8 | 703.4 |
| | | CO | 839.7 | 1599.4 |
| | | SO ₂ | 370.9 | 139.4 |
| | | VOC | 45.9 | 32.7 |
| | | PM/PM ₁₀ | 68.4 | 88.4 |
| S4-2 | WESTINGHOUSE MODEL W501-B6 TURBINE WITH 124 MMBTU/HR DUCT BURNER | NO _x | 324.8 | 703.4 |
| | | CO | 839.7 | 1599.4 |
| | | SO ₂ | 370.9 | 139.4 |
| | | VOC | 45.9 | 32.7 |
| | | PM/PM ₁₀ | 68.4 | 88.4 |
| F-1 | FUGITIVES (6) | VOC | 0.5 | 2.2 |
| F-2 | COOLING TOWER FUGITIVES (6) | Cl ₂ | 1.2 | 5.3 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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 - particulate matter
 - PM₁₀ - particulate matter less than 10 microns
 - VOC - volatile organic compounds as defined in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - Cl₂ - chlorine
- (4) Hourly rate for combined firing based on worst-case fuel.
- (5) Annual limits for combined firing represents 7,824 hrs of natural gas and 696 hrs of fuel oil firing.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (7) The lbs/hr emission rates for SO₂ are based on 5 grains of sulfur/100 scf. The tons per year emissions rates for SO₂ are based on 1 grain of sulfur/100 scf.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated _____