

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

NATURAL GAS FIRING - 8760 HRS

S4-1	60 MW WESTINGHOUSE MODEL W501-B TURBINE	NOx	163.0	713.9
		CO	91.3	399.7
		SO2	1.0	4.5
		VOC	3.3	14.6
		PM/PM10	11.1	48.7
	60 MW WESTINGHOUSE MODEL W501 TURBINE WITH 215 MMBTU/HR DUCT BURNER	NOx	204.9	897.3
		CO	99.7	436.4
		SO2	1.3	5.7
		VOC	3.6	15.9
		PM/PM10	12.2	53.3
S4-2	60 MW WESTINGHOUSE MODEL W501-B TURBINE	NOx	163.0	713.9
		CO	91.3	399.7
		SO2	1.0	4.5
		VOC	3.3	14.6
		PM/PM10	11.1	48.7
	60 MW WESTINGHOUSE MODEL W501 TURBINE WITH 215 MMBTU/HR DUCT BURNER	NOx	204.9	897.3
		CO	99.7	436.4
		SO2	1.3	5.7
		VOC	3.6	15.9
		PM/PM10	12.2	53.3

COMBINED FIRING - 8030 HRS NATURAL GAS AND 730 HRS FUEL OIL (4) (5)

S4-1	60 MW WESTINGHOUSE MODEL W501-B TURBINE	NOx	244.5	743.6
		CO	92.3	400.3
		SO2	219.3	84.0
		VOC	33.4	25.6
		PM/PM10	30.0	55.5
	60 MW WESTINGHOUSE MODEL W501 TURBINE WITH	NOx	350.4	950.4
		CO	100.2	436.9

215 MMBTU/HR DUCT BURNER	SO2	277.1	106.3
	VOC	34.6	27.2
	PM/PM10	41.1	63.9

1467
Page 2 of 2

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant Emission Rates*			
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
S4-2	60 MW WESTINGHOUSE MODEL W501-B TURBINE		NOx	244.5	743.6
			CO	92.3	400.3
			SO2	219.3	84.0
			VOC	33.4	25.6
			PM/PM10	30.0	55.5
	60 MW WESTINGHOUSE MODEL W501 TURBINE WITH 215 MMBTU/HR DUCT BURNER		NOx	350.4	950.4
			CO	100.2	436.9
			SO2	277.1	106.3
			VOC	34.6	27.2
			PM/PM10	41.1	63.9
F-1	FUGITIVES (6)		VOC	0.5	2.1
F-2	COOLING TOWER FUGITIVES (6)		Cl2	0.6	2.5

- (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
 - NOx - 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 8030 hrs of natural gas and 730 hrs of fuel oil firing.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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 8760