

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

734

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)	lb/hr(4)	TPY(5)	Emission Rates *
<u>Case 1: Firing natural gas and supplemental hydrocarbon fuel (EPNs 1-C-1D and 1-C-1E only)</u> <u>8,760 hrs/yr:</u>					
1-C-1A	96 MMBtu/hr Boiler	NOx	12.24	53.62	
		CO	3.06	13.41	
		SO2	0.05	0.23	
		PM10	0.44	1.92	
		VOC	0.24	1.07	
1-C-1B	96 MMBtu/hr Boiler	NOx	12.24	53.62	
		CO	3.06	13.41	
		SO2	0.05	0.23	
		PM10	0.44	1.92	
		VOC	0.24	1.07	
1-C-1C	96 MMBtu/hr Boiler	NOx	12.24	53.62	
		CO	3.06	13.41	
		SO2	0.05	0.23	
		PM10	0.44	1.92	
		VOC	0.24	1.07	
1-C-1D	96 MMBtu/hr Boiler	NOx	13.40	58.70	
		CO	3.35	14.68	
		SO2	0.04	0.17	
		PM10	0.76	3.33	
		VOC	0.22	0.98	
1-C-1E	114 MMBtu/hr Boiler	NOx	15.57	68.18	
		CO	3.89	17.05	
		SO2	0.05	0.21	
		PM10	0.84	3.67	
		VOC	0.27	1.17	

Case 2: Waste liquid fuel firing 168 hours per year:

1-C-1A	96 MMBtu/hr Boiler	NOx	99.84	8.39
		CO	4.16	0.35
		PM10	1.66	0.14
		VOC	0.17	0.01

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr(4) TPY(5)	<u>Emission Rates *</u>	
1-C-1B	96 MMBtu/hr Boiler		NOx	99.84	8.39
			CO	4.16	0.35
			PM10	1.66	0.14
			VOC	0.17	0.01
1-C-1C	96 MMBtu/hr Boiler		NOx	99.84	8.39
			CO	4.16	0.35
			PM10	1.66	0.14
			VOC	0.17	0.01
1-C-1D	96 MMBtu/hr Boiler		NOx	77.92	6.55
			CO	4.16	0.35
			PM10	1.66	0.14
			VOC	0.17	0.01
1-C-1E	114 MMBtu/hr Boiler		NOx	95.58	8.03
			CO	4.90	0.41
			PM10	1.96	0.16
			VOC	0.20	1.02

Case 3: No. 4 fuel oil firing 336 hours per year:

1-C-1A	96 MMBtu/hr Boiler		NOx	16.64	2.80
			CO	4.16	0.70
			PM10	5.82	0.98
			VOC	0.17	0.03
			SO2	35.44	5.95
			SO3	0.50	0.08
1-C-1B	96 MMBtu/hr Boiler		NOx	16.64	2.80
			CO	4.16	0.70
			PM10	5.82	0.98
			VOC	0.17	0.03
			SO2	35.44	5.95
			SO3	0.50	0.08
1-C-1C	96 MMBtu/hr Boiler		NOx	16.64	2.80
			CO	4.16	0.70
			PM10	5.82	0.98
			VOC	0.17	0.03
			SO2	35.44	5.95
			SO3	0.50	0.08

1-C-1D	96 MMBtu/hr Boiler	NOx	16.64	2.80
		CO	4.16	0.70
		PM10	4.73	0.79
		VOC	0.17	0.03
		SO2	26.11	4.39

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr(4) TPY(5)	<u>Emission Rates *</u>	
1-C-1E	114 MMBtu/hr Boiler		NOx	19.58	3.29
			CO	4.90	0.82
			PM10	5.76	0.97
			VOC	0.20	0.03
			SO2	32.38	5.44
			SO3	0.46	0.08

Case 4: Firing a combination of natural gas and supplemental hydrocarbon fuel (EPNs 1-C-1D and 1-C-1E only) 8,256 hrs/yr, waste liquid fuel 168 hrs/yr, and No. 4 fuel oil 336 hrs/yr:

1-C-1A	96 MMBtu/hr Boiler		NOx	99.84	61.72
			CO	4.16	13.68
			SO2	35.44	6.17
			SO3	0.50	0.08
			PM10	5.82	2.92
			VOC	0.24	1.05
1-C-1A	96 MMBtu/hr Boiler		NOx	99.84	61.72
			CO	4.16	13.68
			SO2	35.44	6.17
			SO3	0.50	0.08
			PM10	5.82	2.92
			VOC	0.24	1.05
1-C-1A	96 MMBtu/hr Boiler		NOx	99.84	61.72
			CO	4.16	13.68
			SO2	35.44	6.17
			SO3	0.50	0.08
			PM10	5.82	2.92
			VOC	0.24	1.05
1-C-1D	96 MMBtu/hr Boiler		NOx	77.92	64.66
			CO	4.16	14.88
			SO2	26.11	4.55
			SO3	0.37	0.06
			PM10	4.73	4.07
			VOC	0.22	0.97
1-C-1E	114 MMBtu/hr Boiler		NOx	95.58	75.58
			CO	4.90	17.30
			SO2	32.38	5.64

SO3	0.46	0.08
PM10	5.76	4.59
VOC	0.27	1.15

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.
- (3) SO₃ - sulfur trioxide
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
- (4) See Special Provision No. 4 for basis for annual emission rates.

* The facilities are limited by the following maximum operating schedule:

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

Revised_____