

Fiberight, LLC
Boiler #1 Potential to Emit

Heat Input (mmBtu/hr) 48.11
Annual Hours of operation 7920

Pollutant	Ton/Year
Carbon Monoxide (CO)	41.91
Oxides of Nitrogen (Nox)	19.05
Sulfur Dioxide (SO ₂)	4.76
Particulate Matter (PM)	5.72
Particulate Matter < 10 µm (PM ₁₀)	4.19
Particulate Matter < 2.5 µm (PM _{2.5})	3.81
Volatile Organic Coumpounds	2.48
ammonia	1.19
HAPS	3.1

Emissions Factors			
Pollutant	Emission Factor (lb/mmBtu)	Emission Factor (lb/hr)	Source
Carbon Monoxide (CO)	0.22	10.58	Emisison factors provided by manufaturer (AP-42 1.6)
Oxides of Nitrogen (Nox)	0.1	4.81	Emisison factors provided by manufaturer (AP-42 1.6)
Sulfur Dioxide (SO ₂)	0.025	1.20	Emisison factors provided by manufaturer (AP-42 1.6)
Particulate Matter (PM)	0.03	1.44	Emisison factors provided by manufaturer (AP-42 1.6)
Particulate Matter < 10 µm (PM ₁₀)	0.022	1.06	Emisison factors provided by manufaturer (AP-42 1.6)
Particulate Matter < 2.5 µm (PM _{2.5})	0.02	0.96	Emisison factors provided by manufaturer (AP-42 1.6)
Volatile Organic Coumpounds	0.013	0.63	Emisison factors provided by manufaturer (AP-42 1.6)

Controls

Baghouse for PM

SNCR for Nox, Reduced EF from 0.22 lb/mmBtu to 0.10 lb/mmBtu

HAPS EMISSIONS		
HAP	lb/mmBtu	Ton/yr
acetaldehyde	8.300E-04	0.16
acrolein	4.00E-03	0.76
arsenic	7.90E-06	0.00
benzene	4.20E-03	0.80
beryllium	1.10E-06	0.00
cadmium	4.10E-06	0.00
chromium	2.10E-05	0.00
cobalt	6.50E-06	0.00
dichlorobenzene		0.00
formaldehyde	4.40E-03	0.84
hydrochloric acid		0.00
lead	4.80E-05	0.01
manganese	1.60E-03	0.30
methanol		0.00
mercury	3.50E-06	0.00
n-hexane		0.00
napthalene	9.70E-05	0.02
nickel	3.30E-05	0.01
phenanthrene	7.00E-06	0.00
toluene	9.20E-04	0.18

Source of EF AP-42 2.4

Fiberight, LLC
Boiler #2 Potential to Emit

Heat Input (mmBtu/hr) 48.11
Annual Hours of operation 7920

Pollutant	Ton/Year
Carbon Monoxide (CO)	41.91
Oxides of Nitrogen (Nox)	19.05
Sulfur Dioxide (SO ₂)	4.76
Particulate Matter (PM)	5.72
Particulate Matter < 10 µm (PM10)	4.19
Particulate Matter < 2.5 µm (PM2.5)	3.81
Volatile Organic Coumpounds	2.48
ammonia	1.19
HAPS	3.1

Emissions Factors			
Pollutant	Emission Factor (lb/mmBtu)	Emission Factor (lb/hr)	Source
Carbon Monoxide (CO)	0.22	10.58	Emisison factors provided by manufaturer (AP-42 1.6)
Oxides of Nitrogen (Nox)	0.1	4.81	Emisison factors provided by manufaturer (AP-42 1.6)
Sulfur Dioxide (SO ₂)	0.025	1.20	Emisison factors provided by manufaturer (AP-42 1.6)
Particulate Matter (PM)	0.03	1.44	Emisison factors provided by manufaturer (AP-42 1.6)
Particulate Matter < 10 µm (PM10)	0.022	1.06	Emisison factors provided by manufaturer (AP-42 1.6)
Particulate Matter < 2.5 µm (PM2.5)	0.02	0.96	Emisison factors provided by manufaturer (AP-42 1.6)
Volatile Organic Coumpounds	0.013	0.63	Emisison factors provided by manufaturer (AP-42 1.6)

Controls

Baghouse for PM

SNCR for Nox, Reduced EF from 0.22 lb/mmBtu to 0.10 lb/mmBtu

HAPS EMISSIONS		
HAP	lb/mmBtu	Ton/yr
acetaldehyde	8.300E-04	0.16
acrolein	4.00E-03	0.76
arsenic	7.90E-06	0.00
benzene	4.20E-03	0.80
beryllium	1.10E-06	0.00
cadmium	4.10E-06	0.00
chromium	2.10E-05	0.00
cobalt	6.50E-06	0.00
dichlorobenzene		0.00
formaldehyde	4.40E-03	0.84
hydrochloric acid		0.00
lead	4.80E-05	0.01
manganese	1.60E-03	0.30
methanol		0.00
mercury	3.50E-06	0.00
n-hexane		0.00
napthalene	9.70E-05	0.02
nickel	3.30E-05	0.01
phenanthrene	7.00E-06	0.00
toluene	9.20E-04	0.18

Source of EF AP-42 2.4