

EmissionUnit

* [Group 1]

EUID:

B1

EUType:

Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment

InstallationDate:

3/1989

Description:

-- Detail --:

Emission Unit Type: 1

Emission Source Identifier: B1

Emission Source Name: Digester Boiler 1

Description: The boilers are designed to heat the digesters and provide supplemental heating to the buildings. The boilers are fueled with either natural gas or digester gas generated from the anaerobic digesters.

Manufacturer: Dunman Bush, Inc. (brand name Iron Fireman)

Model Number: 503A-W-200-2P

Date of Manufacture/Reconstruction/Modification: 6/1988

Installation Date: 3/1989

Describe the fuel burning configuration: The boilers are used to heat sludge digesters and provide general heat.

Heat Input Capacity(MMBtu/Hr): 8

Comments: B1 and B2 are the same models

FuelType: Natural Gas

MaxHourlyConsumption: 8400

MaxAnnualFuelConsumption: 36.6

MaxHeatingValue: 1020

MaxHeatingValueUnits: Btu/cf

MaxHeatInput: 8.4

Comment: 1) Hourly Consumption is in cubic feet

(2) Max Heat Input units are in MMBtu/hour

(3) Digester gas rates are estimated because the unit has not recently burned digester gas.

(4) The actual average emission estimates are based on 50% utilization during the maximum year and 10% during the average year, which is based on historical data.

Unit: Million Cubic Feet

FuelType: Other - Gas

MaxHourlyConsumption: 8400

MaxAnnualFuelConsumption: 36.6

MaxHeatingValue: 665

MaxHeatingValueUnits: Btu/cf

MaxHeatInput: 5.6

Comment: (1) Fuel type is digester gas, which is 65% methane.
(2) Hourly Consumption is in cubic feet
(3) Max Heat Input units are in MMBtu/hour
(4) Digester gas rates are estimated because the unit has not recently burned digester gas.
(5) The actual average emission estimates are based on 50% utilization during the maximum year and 10% during the average year, which is based on historical data.

Unit: Million Cubic Feet

ReleasePointID: B1

ReleasePointType: Other

Latitude: 33.745241

Longitude: -84.553653

Height: 18

RuleID: 12

RefType: SIP

RefCode: .02(2)(d)

Description: Fuel-burning Equipment

RuleID: 67

RefType: SIP

RefCode: .02(2)(yy)

Description: Emissions of Nitrogen Oxides from Major Sources

RuleID: 20

RefType: SIP

RefCode: .02(2)(g)

Description: Sulfur Dioxide

* [Group 2]

EUID:

B2

EUType:

Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment

InstallationDate:

3/1989

Description:

-- Detail --:

Emission Unit Type: 1

Emission Source Identifier: B2

Emission Source Name: Digester Boiler 2

Description: The boilers are designed to heat the digesters and provide supplemental heating to the buildings. The boilers are fueled with either natural gas or digester gas generated from the anaerobic digesters.

Manufacturer: Dunman Bush, Inc. (brand name Iron Fireman)

Model Number: 503A-W-200-2P

Date of Manufacture/Reconstruction/Modification: 6/1988

Installation Date: 3/1989

Heat Input Capacity(MMBtu/Hr): 8

Comments: B1 and B2 are same models

FuelType: Natural Gas

MaxHourlyConsumption: 8400

MaxAnnualFuelConsumption: 33.6

MaxHeatingValue: 1020

MaxHeatingValueUnits: Btu/cf

MaxHeatInput: 8.4

Comment: (1) Hourly Consumption is in cubic feet
(2) Max Heat Input units are in MMBtu/hour
(3) Digester gas rates are estimated because the unit has not recently burned digester gas.
(4) The actual average emission estimates are based on 50% utilization during the maximum year and 10% during the average year, which is based on historical data.

Unit: Million Cubic Feet

FuelType: Other - Gas

MaxHourlyConsumption: 8400

MaxAnnualFuelConsumption: 36.6

MaxHeatingValue: 665

MaxHeatingValueUnits: BTU/cf

MaxHeatInput: 5.6

Comment: (1) Fuel type is digester gas, which is 65% methane.
(2) Hourly Consumption is in cubic feet
(3) Max Heat Input units are in MMBtu/hour
(4) Digester gas rates are estimated because the unit has not recently burned digester gas.
(5) The actual average emission estimates are based on 50% utilization during the maximum year and 10% during the average year, which is based on historical data.

Unit: Million Cubic Feet

ReleasePointID: B2

ReleasePointType: Other

Latitude: 33.745241

Longitude: -84.553653

Height: 18

RuleID: 67

RefType: SIP

RefCode: .02(2)(yy)

Description: Emissions of Nitrogen Oxides from Major Sources

RuleID: 20

RefType: SIP

RefCode: .02(2)(g)

Description: Sulfur Dioxide

RuleID: 12

RefType: SIP

RefCode: .02(2)(d)

Description: Fuel-burning Equipment

* [Group 3]

EUID:

B3

EUType:

Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment

InstallationDate:

1999

Description:

Emission Unit Type: 1

Emission Source Identifier: B3

Emission Source Name: Digester Boiler 3

Description: The boilers are designed to heat the digesters and provide supplemental heating to the buildings. The boilers are fueled with either natural gas or digester gas generated from the anaerobic digesters.

Manufacturer: Kewanee

Model Number: L3W200G

Date of Manufacture/Reconstruction/Modification: 1999

Installation Date: 1999

Heat Input Capacity(MMBtu/Hr): 8

FuelType: Natural Gas

MaxHourlyConsumption: 8370

MaxAnnualFuelConsumption: 36.6

MaxHeatingValue: 1020

MaxHeatingValueUnits: Btu/cf

MaxHeatInput: 8.5

Comment: (1) Hourly Consumption is in cubic feet
(2) Max Heat Input units are in MMBtu/hour
(3) Digester gas rates are estimated because the unit has not recently burned digester gas.
(5) For actual annual maximum emission estimates, fuel consumption is assumed to be 50% of the potential fuel consumption, which is based on historical data.

Unit: Million Cubic Feet

FuelType: Other - Gas

MaxHourlyConsumption: 8370

MaxAnnualFuelConsumption: 36.6

MaxHeatingValue: 665

MaxHeatingValueUnits: Btu/cf

MaxHeatInput: 5.6

Comment: (1) Fuel type is digester gas, which is 65% methane.
(2) Hourly Consumption is in cubic feet
(3) Max Heat Input units are in MMBtu/hour
(4) Digester gas rates are estimated because the unit has not recently burned digester gas.
(5) For actual annual maximum emission estimates, fuel consumption is assumed to be 50% of the potential fuel consumption, which is based on historical data.

Unit: Million Cubic Feet

ReleasePointID: B3

ReleasePointType: Vertical with Rain Cap

Latitude: 33.745241

Longitude: -84.553653

Height: 20

RuleID: 67

RefType: SIP

RefCode: .02(2)(yy)

Description: Emissions of Nitrogen Oxides from Major Sources
RuleID: 20
RefType: SIP
RefCode: .02(2)(g)
Description: Sulfur Dioxide
RuleID: 12
RefType: SIP
RefCode: .02(2)(d)
Description: Fuel-burning Equipment

* [Group 4]

EUID:
EUType:
InstallationDate:
Description:
-- Detail --:

INC2
Solid/Liquid Waste Destruction - Incineration
4/1989

Emission Unit Type: 17
Emission Source Identifier: INC2
Emission Source Name: Multiple Hearth Incinerator 2
Description: Multiple Hearth Incinerator is used to incinerate sanitary sewage sludge from the WRC facility. Associated air pollution control device is SCR1
Manufacturer: Habjub
Model Number: 22'-3" OD 6 Hearth
Date of Manufacture/Reconstruction/Modification: 1989
Installation Date: 4/1989
Incinerator's feed type: Continuous Feed
Maximum Charging Rate(lb/hr): 4000
Normal Charging Rate(lb/hr): 1875
Primary Chamber Burner Capacity(MMBtu/hr): 10
Primary Chamber Burn Fuel: Natural Gas
Secondary Chamber Burner Capacity(MMBtu/hr): 0
Comments: (1) Primary chamber burn fuel is natural gas and/or digester gas.

MaterialName: Sanitary Sewage Sludge
AverageWeightPercent: 25
MaterialName: Water
AverageWeightPercent: 75
ControlDeviceID: SCR2
DeviceType: Scrubber
Manufacture: Swemco, Inc.
DateManufactured: 1998
InstallationDate: 4/1998
ReasonForOperation: To comply with state or federal rule
ReleasePointID: INC2
ReleasePointType: Other
Latitude: 33.745241

Longitude: -84.553653
Height: 55
RuleID: 147
RefType: NESHAP(Part 61)
RefCode: E
Description: National Emission Standard for Mercury
RuleID: 95
RefType: NESHAP(Part 61)
RefCode: A
Description: General Provisions
RuleID: 67
RefType: SIP
RefCode: .02(2)(yy)
Description: Emissions of Nitrogen Oxides from Major Sources
RuleID: 64
RefType: SIP
RefCode: .02(2)(www)
Description: Sewage Sludge Incineration Units Constructed On
or Before October 14, 2010
RuleID: 20
RefType: SIP
RefCode: .02(2)(g)
Description: Sulfur Dioxide
RuleID: 9
RefType: SIP
RefCode: .02(2)(c)
Description: Incinerators
RuleID: 249
RefType: NSPS(Part 60)
RefCode: O
Description: Standards of Performance for Sewage Treatment
Plants
RuleID: 96
RefType: NSPS(Part 60)
RefCode: A
Description: General Provisions