

MonitoringTesting

* [Group 1]

EGID: B1
EGType: Single Emissions Path (SEP)
NoSpecificMonitoring: No
NoSpecificTesting: Yes
MonitoringDataFilled: Yes
TestingDataFilled: Yes

-- Detail --:

Emission Path Group Type: Single Emissions Path (SEP)
Emission Path Group Identifier: B1
Check here if no specific monitoring needed: false
Check here if no specific testing needed: true
Description: System generated SEP Emission Path.
EUID: B1
EUType: Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment
InstallationDate: 3/1989
Detail
MonitoringLocation: Boiler Exhaust
PollutantName: Nitrogen Oxides
PollutantID: 599
PollutantCd: NOX
SubstanceChemName: CAP1
SubDescription: Nitrogen Oxides
MonitoringMethod: M23 - Monitoring of control equipment and/or process operation parameters.
AverageTime: 0
DataAcquisitionFrequency: 1 years
RecordType: Annual boiler tune-up, degree of staged combustion, level of excess air
ReportingFrequency: 1 years
ApplicableRegulation: 67,20,12
ApplicableEU: B1
PollutantName: Nitrogen Oxides
PollutantID: 599
PollutantCd: NOX
SubstanceChemName: Nitrogen Oxides
SubDescription: Nitrogen Oxides
TestingMethod: Method 7E (Description: Determination of Nitrogen Oxide Emissions from Stationary Sources (Instrumental Analyzer Procedure))
TestingMethodID: 115
TestingLocation: boiler exhaust

TestingFrequency: 1 years
PermitCondition: 5.2.3(c)
Emission Unit Type: 1
Emission Source Identifier: B1
Emission Source Name: Digester Boiler 1
Description: unknown
Manufacturer: Dunman Bush, Inc.
Model Number: 503A-W-200-2P
Date of Manufacture/Reconstruction/Modification: 6/1988
Installation Date: 3/1989
Heat Input Capacity(MMBtu/Hr): 8
FuelType: Natural Gas
MaxHourlyConsumption: 0.0084
MaxAnnualFuelConsumption: 36.6
MaxHeatingValue: 1020
MaxHeatingValueUnits: Btu/cf
MaxHeatInput: 8.4

Comment: Digester gas rates are estimated because the unit has not recently burned digester gas. 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: 0.0084
MaxAnnualFuelConsumption: 36.6
MaxHeatingValue: 665
MaxHeatingValueUnits: Btu/cf
MaxHeatInput: 5.6

Comment: Fuel type is digester gas, which is 65% methane.

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
System generated SEP Emission Path.

Description:

* [Group 2]

EGID: B2
EGType: Single Emissions Path (SEP)
NoSpecificMonitoring: No
NoSpecificTesting: Yes
MonitoringDataFilled: Yes
TestingDataFilled: Yes
-- Detail --:

Emission Path Group Type: Single Emissions Path (SEP)
Emission Path Group Identifier: B2
Check here if no specific monitoring needed: false
Check here if no specific testing needed: true
Description: System generated SEP Emission Path.
EUID: B2
EUType: Boilers, Furnaces & Other Indirect Contact Heat
Generating Equipment
InstallationDate: 3/1989

Detail

MonitoringLocation: Boiler exhaust
PollutantName: Nitrogen Oxides
PollutantID: 599
PollutantCd: NOX
SubstanceChemName: CAP1
SubDescription: Nitrogen Oxides
MonitoringMethod: M23 - Monitoring of control equipment and/or
process operation parameters.
AverageTime: 0
DataAcquisitionFrequency: 1 years
RecordType: Annual boiler tune-up, degree of staged
combustion, level of excess air
ReportingFrequency: 1 years
ApplicableRegulation: 67,20,12
ApplicableEU: B2
PollutantName: Nitrogen Oxides
PollutantID: 599
PollutantCd: NOX
SubstanceChemName: Nitrogen Oxides
SubDescription: Nitrogen Oxides
TestingMethod: Method 7E (Description: Determination of
Nitrogen Oxide Emissions from Stationary Sources (Instrumental
Analyzer Procedure))
TestingMethodID: 115
TestingLocation: boiler exhaust

TestingFrequency: 1 years

PermitCondition: 5.2.3(c)

Emission Unit Type: 1

Emission Source Identifier: B2

Emission Source Name: Digester Boiler 2

Description: Gas generated from the anaerobic sludge digesters is either burned in one of the three digesters (B1, B2, and B3) or flared.

Manufacturer: Dunman Bush, Inc.

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

Date of Manufacture/Reconstruction/Modification: 6/1998

Installation Date: 3/1989

Heat Input Capacity(MMBtu/Hr): 8

FuelType: Natural Gas

MaxHourlyConsumption: 0.0084

MaxAnnualFuelConsumption: 33.6

MaxHeatingValue: 1020

MaxHeatingValueUnits: Btu/cf

MaxHeatInput: 8.4

Comment: 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: 0.0084

MaxAnnualFuelConsumption: 36.6

MaxHeatingValue: 665

MaxHeatingValueUnits: BTU/cf

MaxHeatInput: 5.6

Comment: Fuel type is digester gas, which is 65% methane.

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

Description:

System generated SEP Emission Path.

* [Group 3]

EGID:

B3

EGType:

Single Emissions Path (SEP)

NoSpecificMonitoring:

No

NoSpecificTesting:

Yes

MonitoringDataFilled:

Yes

TestingDataFilled:

Yes

-- Detail --:

Emission Path Group Type: Single Emissions Path (SEP)

Emission Path Group Identifier: B3

Check here if no specific monitoring needed: false

Check here if no specific testing needed: true

Description: System generated SEP Emission Path.

EUID: B3

EUType: Boilers, Furnaces & Other Indirect Contact Heat
Generating Equipment

InstallationDate: 1999

Detail

MonitoringLocation: Boiler exhaust stack

PollutantName: Nitrogen Oxides

PollutantID: 599

PollutantCd: NOX

SubstanceChemName: CAP1

SubDescription: Nitrogen Oxides

MonitoringMethod: M23 - Monitoring of control equipment and/or
process operation parameters.

AverageTime: 0

DataAcquisitionFrequency: 1 years

RecordType: Annual boiler tune-up, degree of staged
combustion, level of excess air

ReportingFrequency: 1 years

ApplicableRegulation: 67,20,12

ApplicableEU: B3

PollutantName: Nitrogen Oxides

PollutantID: 599

PollutantCd: NOX

SubstanceChemName: Nitrogen Oxides

SubDescription: Nitrogen Oxides

TestingMethod: Method 7E (Description: Determination of
Nitrogen Oxide Emissions from Stationary Sources (Instrumental
Analyzer Procedure))

TestingMethodID: 115

TestingLocation: boiler exhaust

TestingFrequency: 1 years

PermitCondition: 5.2.3(c)

Emission Unit Type: 1

Emission Source Identifier: B3

Emission Source Name: Digester Boiler 3

Description: Gas generated from the anaerobic sludge digesters is either burned in one of the three digesters (B1, B2, and B3) or flared.

Manufacturer: Kewanee

Model Number: L3W200G

Date of Manufacture/Reconstruction/Modification: 1999

Installation Date: 1999

Heat Input Capacity(MMBtu/Hr): 8

FuelType: Natural Gas

MaxHourlyConsumption: 0.00837

MaxAnnualFuelConsumption: 36.6

MaxHeatingValue: 665

MaxHeatingValueUnits: Btu/cf

MaxHeatInput: 5.6

Comment: For actual annual maximum emission estimates, fuel consumption is assumed to be 50% of the potential fuel consumption, which is based on historical data. Emission estimates are based on 50% utilization of the actual average annual emissions estimates, which is based on historical data.

Unit: Million Cubic Feet

FuelType: Other - Gas

MaxHourlyConsumption: 0.008370

MaxAnnualFuelConsumption: 36.6

MaxHeatingValue: 1020

MaxHeatingValueUnits: Btu/cf

MaxHeatInput: 8.5

Comment: Fuel type is digester gas, which is 65% methane.

Digester gas rates are estimated as the unit has not recently burned digester gas.

or actual annual maximum emission estimates, fuel consumption is assumed to be 50% of the potential fuel consumption, which is based on historical data. Emission estimates are based on 50% utilization of the actual average annual emissions estimates, 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

Description:

System generated SEP Emission Path.

* [Group 4]

EGID:

INC2

EGType:

Single Emissions Path (SEP)

NoSpecificMonitoring:

No

NoSpecificTesting:

No

MonitoringDataFilled:

Yes

TestingDataFilled:

Yes

-- Detail --:

Emission Path Group Type: Single Emissions Path (SEP)

Emission Path Group Identifier: INC2

Check here if no specific monitoring needed: false

Check here if no specific testing needed: false

Description: System generated SEP Emission Path.

EUID: INC2

EUType: Solid/Liquid Waste Destruction - Incineration

InstallationDate: 1972

Detail

MonitoringLocation: Differential pressure indicator for the gas exhaust fan

PollutantName: Particulate Matter (TSP)

PollutantID: 604

PollutantCd: PM

SubstanceChemName: CAP1

SubDescription: Particulate Matter (TSP)

MonitoringMethod: M23 - Monitoring of control equipment and/or process operation parameters.

AverageTime: 15

DataAcquisitionFrequency: 4 hours

RecordType: Printout from the Foxboro computer system with backup (if data is missing) from the CEMS unit.

ReportingFrequency: 6 months

ApplicableRegulation: 249,147,95,96,67,64,20,9

ApplicableEU: INC2

MonitoringLocation: Differential pressure indicator for the gas exhaust fan.

PollutantName: PM10 (Filt + Cond)

PollutantID: 606
PollutantCd: PM-PRI
SubstanceChemName: CAP1
SubDescription: PM Primary (Filt + Cond)
MonitoringMethod: M23 - Monitoring of control equipment and/or process operation parameters.
AverageTime: 15
DataAcquisitionFrequency: 4 hours
RecordType: Printout from the Foxboro computer system with backup (if data is missing) from the CEMS unit.
ReportingFrequency: 6 months
ApplicableRegulation: 249,147,95,96,67,64,20,9
ApplicableEU: INC2
MonitoringLocation: At the outflow of the Centrifuges, prior to the incinerator.

PollutantName: Nitrogen Oxides
PollutantID: 599
PollutantCd: NOX
SubstanceChemName: CAP1
SubDescription: Nitrogen Oxides
MonitoringMethod: M24 - Recordkeeping of production, raw material, or process input related information
AverageTime: 1
DataAcquisitionFrequency: 1
RecordType: Totalizer reading from the Foxboro recording system for the two feed pumps.
ReportingFrequency: 6 months
ApplicableRegulation: 249,147,95,96,67,64,20
ApplicableEU: INC2
MonitoringLocation: At the outflow of the centrifuges, prior to the incinerator.

PollutantName: Carbon Monoxide
PollutantID: 592
PollutantCd: CO
SubstanceChemName: CAP1
SubDescription: Carbon Monoxide
MonitoringMethod: M24 - Recordkeeping of production, raw material, or process input related information
AverageTime: 1
DataAcquisitionFrequency: 1 hours
RecordType: Totalizer reading from the Foxboro recording system for the two feed pumps.
ReportingFrequency: 6 months
ApplicableRegulation: 249,147,95,96,67,64,20,9
ApplicableEU: INC2
MonitoringLocation: Influent sludge and exiting ash

PollutantName: Mercury
PollutantID: 447

PollutantCd: 7439976
SubstanceChemName: HAP
SubDescription: Mercury
MonitoringMethod: M21 - Sampling and analysis of sewage sludge for metals content
AverageTime: 1
DataAcquisitionFrequency: 6 years
RecordType: Mercury analysis of sludge/ash; solids analysis of sludge. Samples are typically collected monthly though required under the 40 CFR 503 permit every 60 days using a calculation based on solids that is performed daily for emissions.
ReportingFrequency: 6 months
ApplicableRegulation: 249,147,95,96,67,64,20,9
ApplicableEU: INC2
PollutantName: Carbon Monoxide
PollutantID: 592
PollutantCd: CO
SubstanceChemName: Carbon Monoxide
SubDescription: Carbon Monoxide
TestingMethod: Method 10 (Description: Determination of Carbon Monoxide Emissions from Stationary Sources)
TestingMethodID: 2
TestingLocation: Sludge feed at the exit of the centrifuges feed to the incinerator.
TestingFrequency: 1 hours
PermitCondition: 4.1.3(i), 5.2.1(c), 6.2.8
PollutantName: Nitrogen Oxides
PollutantID: 599
PollutantCd: NOX
SubstanceChemName: Nitrogen Oxides
SubDescription: Nitrogen Oxides
TestingMethod: Method 7E (Description: Determination of Nitrogen Oxide Emissions from Stationary Sources (Instrumental Analyzer Procedure))
TestingMethodID: 115
TestingLocation: Differential pressure indicator for the exhaust fan.
TestingFrequency: 1 hours
PermitCondition: 7.1.3(g), 5.2.1(c), 6.2.7
PollutantName: Particulate Matter (TSP)
PollutantID: 604
PollutantCd: PM
SubstanceChemName: Particulate Matter (TSP)
SubDescription: Particulate Matter (TSP)
TestingMethod: Method 5 (Description: Determination of Particulate Emissions from Stationary Sources)
TestingMethodID: 99
TestingLocation: Differential pressure indicator for the exhaust gas

TestingFrequency: 4 hours

PermitCondition: 4.1.3(f), 5.2.2, 5.2.5

Note:

(1) the testing frequency is the data acquisition frequency.

(2) The averaging time is 15 minutes.

PollutantName: PM10 (Filt + Cond)

PollutantID: 606

PollutantCd: PM-PRI

SubstanceChemName: PM10 (Filt + Cond)

SubDescription: PM Primary (Filt + Cond)

TestingMethod: Method 5 (Description: Determination of Particulate Emissions from Stationary Sources)

TestingMethodID: 99

TestingLocation: Differential pressure indicator for the exhaust gas

TestingFrequency: 4 hours

PermitCondition: 4.1.3(f), 5.2.2, 5.2.5

Note:

(1) the testing frequency is the data acquisition frequency.

(2) The averaging time is 15 minutes.

PollutantName: Mercury

PollutantID: 447

PollutantCd: 7439976

SubstanceChemName: Mercury

SubDescription: Mercury

TestingMethod: Method 29 (Description: Determination of Metals Emissions from Stationary Sources)

TestingMethodID: 60

TestingLocation: differential pressure indicator for the exhaust

TestingFrequency: 4 hours

PermitCondition: 4.1.3(k), 3.3.3, 3.3.4, 3.3.5

Note:

(1) the testing frequency is the data acquisition frequency.

(2) The averaging time is 15 minutes.

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.

Manufacturer: Nichols Herreshoff

Model Number: SN 47240

Date of Manufacture/Reconstruction/Modification: 1972/1988

Installation Date: 1972

Operation Status of Equipment: Taken off-line in 1996

Operation Status Date: 1996

Incinerator's feed type: Continuous Feed

Maximum Charging Rate(lb/hr): 4000

Normal Charging Rate(lb/hr): 0
Primary Chamber Burner Capacity(MMBtu/hr): 6
Primary Chamber Burn Fuel: Natural Gas
Secondary Chamber Burner Capacity(MMBtu/hr): 0
Comments: Average rates are while the incinerator is running.
The unit is not currently operating.

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

Description:

System generated SEP Emission Path.