

EmissionUnit

* [Group 1]

EUID:

FB01

EUType:

Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment

InstallationDate:

01/01/2002

Description:

-- Detail --:

Emission Unit Type: 1

Emission Source Identifier: FB01

Emission Source Name: Fluidized Bed Combustor

Description: The Fluidized Bed Combustor burns green sawdust to provide heated air to drying kilns DK01 and DK02. Heated air is filtered by the Multiclone (MC01). Emissions during normal operations from FB01 are emitted at fugitive source F006 and F007 at DK01 and DK02 respectively. When the kiln is emptied and reloaded, emissions occur at S006; this is approximately 30 minutes for each charge.

Manufacturer: York Shipley

Model Number: FB-100

Date of Manufacture/Reconstruction/Modification: 01/01/2002

Installation Date: 01/01/2002

Describe the fuel burning configuration: Screened sawdust is collected from the sawmill and blown into the space above the bed where it burns in suspension and in the bed. The Fluidized Bed Combustor has a natural gas preheat stage. The burner is preheated with natural gas for approximately 2.5 hours per week for startup operations.

Heat Input Capacity(MMBtu/Hr): 26

Comments: The Fluidized Bed Combustor has a preheat natural gas fired stage. The natural gas is run for approximately 2.5 hours per week during startup of the burner. This natural gas preheat cannot be used for drying operations in lieu of wood based fuel.

FuelType: Wood Products

MaxHourlyConsumption: 2.9

MaxHourlyAvgConsumption: 1.875

MaxAnnualFuelConsumption: 25404

PercentOzoneSeason: 41.67

MaxHeatingValue: 4500

MaxHeatingValueUnits: Btu/lb

MaxAllowableSulfurPercent: 2.5

Comment: The Fluidized Bed Combustor has a preheat natural gas fired stage. The natural gas is run for approximately 2.5 hours per week during startup of the burner. This natural gas preheat cannot be used for drying operations in lieu of wood based fuel.

Unit: Tons

ControlDeviceID: MC01

DeviceType: Cyclone/Multiclone/Settling Chamber

Manufacture: Unknown
Model: Unknown
ReasonForOperation: To comply with state or federal rule
ReleasePointID: S006
ReleasePointType: Vertical
Latitude: 30.835144
Longitude: -83.996823
Height: 30
ReleasePointID: S008
ReleasePointType: Vertical
Latitude: 30.83504
Longitude: -83.996785
Height: 20
ReleasePointID: S009
ReleasePointType: Vertical
Latitude: 30.83529
Longitude: -83.996866
Height: 20
RuleID: 20
RefType: SIP
RefCode: .02(2)(g)
Description: Sulfur Dioxide
RuleID: 15
RefType: SIP
RefCode: .02(2)(e)
Description: Particulate Emission from Manufacturing Processes
RuleID: 6
RefType: SIP
RefCode: .02(2)(b)
Description: Visible Emissions

* [Group 2]

EUID: SB01
EUType: Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment
InstallationDate: 01/01/2002
Description:
-- Detail --:

Emission Unit Type: 1
Emission Source Identifier: SB01
Emission Source Name: Suspension Burner
Description: The Suspension Burner burns dry wood shavings to provide heated air to drying kiln DK03. All emissions from SB01 are emitted at fugitive source F008 at DK03.
Manufacturer: McConnell
Model Number: B-36
Date of Manufacture/Reconstruction/Modification: 01/01/2002
Installation Date: 01/01/2002

Describe the fuel burning configuration: Wood shavings are collected from the planer mills and burned in the burner. The Suspension Burner has a natural gas preheat stage. The burner is preheated with natural gas for approximately 45 minutes per week for startup operations.

Heat Input Capacity(MMBtu/Hr): 20

Comments: The Suspension Burner has a preheat natural gas fired stage. The natural gas is run for 45 minutes per week during startup of the burner. This natural gas preheat cannot be used for drying operations in lieu of wood based fuel.

FuelType: Wood Products

MaxHourlyConsumption: 1.25

MaxHourlyAvgConsumption: 1.25

MaxAnnualFuelConsumption: 10950

PercentOzoneSeason: 41.67

MaxHeatingValue: 8000

MaxHeatingValueUnits: Btu/lb

MaxAllowableSulfurPercent: 2.5

Comment: The Suspension Burner has a preheat natural gas fired stage. The natural gas is run for 45 minutes per week during startup of the burner. This natural gas preheat cannot be used for drying operations in lieu of wood based fuel.

Unit: Tons

ReleasePointID: S010

ReleasePointType: Vertical

Latitude: 30.835479

Longitude: -83.996924

Height: 20

RuleID: 20

RefType: SIP

RefCode: .02(2)(g)

Description: Sulfur Dioxide

RuleID: 15

RefType: SIP

RefCode: .02(2)(e)

Description: Particulate Emission from Manufacturing Processes

RuleID: 6

RefType: SIP

RefCode: .02(2)(b)

Description: Visible Emissions

* [Group 3]

EUID:

SG01

EUType:

Boilers, Furnaces & Other Indirect Contact Heat Generating Equipment

InstallationDate:

01/01/2014

Description:

-- Detail --:

Emission Unit Type: 1

Emission Source Identifier: SG01

Emission Source Name: Sloped Grate Burner

Description: The Sloped Grate Burner burns green sawdust to provide heated air to continuous drying kiln DK04. Combustion emissions from SG01 are emitted at DK04 stacks S011, S012, S013, and S014.

Manufacturer: USNR

Date of Manufacture/Reconstruction/Modification: 01/01/2014

Installation Date: 01/01/2014

Describe the fuel burning configuration: Screened sawdust is collected from the sawmill and conveyed to the burner.

Heat Input Capacity(MMBtu/Hr): 40

ReleasePointID: S011

ReleasePointType: Horizontal

Latitude: 30.834418

Longitude: -83.99756

Height: 17.5

ReleasePointID: S012

ReleasePointType: Horizontal

Latitude: 30.834382

Longitude: -83.997558

Height: 17.5

ReleasePointID: S013

ReleasePointType: Horizontal

Latitude: 30.83458

Longitude: -83.996802

Height: 17.5

ReleasePointID: S014

ReleasePointType: Horizontal

Latitude: 30.834544

Longitude: -83.99679

Height: 17.5

RuleID: 20

RefType: SIP

RefCode: .02(2)(g)

Description: Sulfur Dioxide

RuleID: 15

RefType: SIP

RefCode: .02(2)(e)

Description: Particulate Emission from Manufacturing Processes

RuleID: 6

RefType: SIP

RefCode: .02(2)(b)

Description: Visible Emissions

FuelType: Wood Products

MaxHourlyConsumption: 4.444

MaxHourlyAvgConsumption: 4.444

MaxAnnualFuelConsumption: 38929

PercentOzoneSeason: 41.67
MaxHeatingValue: 4500
MaxHeatingValueUnits: Btu/lb
MaxAllowableSulfurPercent: 2.5
Unit: Tons

* [Group 4]

EUID: DK01
EUType: Dryers, Calciners, Kilns & Ovens
InstallationDate: 01/02/1980
Description:
-- Detail --:

Emission Unit Type: 4
Emission Source Identifier: DK01
Emission Source Name: Drying Kiln #1
Description: Direct-fired kiln for drying green lumber. Heated air supplied by FB01. Emissions are emitted through the roof vents, identified as single point source S008.
Manufacturer: US Natural Resources, Inc.
Model Number: Hi temp direct fired
Date of Manufacture/Reconstruction/Modification: 01/01/2002
Installation Date: 01/02/1980
Identify type of emission unit: Kiln
Identify the specific type of dryer, calciner, kiln or oven that this unit is: Other
Description of other: Lumber Drying Kiln
MaterialTypeName: Green dimensioned lumber
MaximumHourlyRate: 10.4 tons/hr
MoistureContent: 50
FuelType: Wood Products
PotentialFuelConsumption: 0
MaxHourlyConsumption: 0
MaxHourlyAvgConsumption: 0
MaxAnnualFuelConsumption: 0
PercentOzoneSeason: 0
MaxHeatingValue: 0
MaxHeatingValueUnits: 0
MaxHeatInput: 0
MinHeatInput: 0
AvgHeatInput: 0
MaxAllowableSulfurPercent: 2.5
Comment: Source DK01 does not actually burn any fuel. Heat is provided by the Fluidized Bed Combustor (FB01). The application software would not validate the application without adding a "fuel burned component" for the kiln.
Unit: Tons
ReleasePointID: S008
ReleasePointType: Vertical

Latitude: 30.83504
Longitude: -83.996785
Height: 20
RuleID: 15
RefType: SIP
RefCode: .02(2)(e)
Description: Particulate Emission from Manufacturing Processes
RuleID: 6
RefType: SIP
RefCode: .02(2)(b)
Description: Visible Emissions

* [Group 5]

EUID: DK02
EUType: Dryers, Calciners, Kilns & Ovens
InstallationDate: 01/02/1980
Description:
-- Detail --:

Emission Unit Type: 4
Emission Source Identifier: DK02
Emission Source Name: Drying Kiln #2
Description: Direct-fired drying kiln with heated air supplied by fluidized bed combustor FB01. Emissions are emitted through the roof vents, identified as single point source S009.
Manufacturer: US Natural Resources, Inc.
Model Number: Hi temp direct fired
Date of Manufacture/Reconstruction/Modification: 01/01/2002
Installation Date: 01/02/1980
Identify type of emission unit: Kiln
Identify the specific type of dryer, calciner, kiln or oven that this unit is: Other
Description of other: Lumber Drying Kiln
Comments: Maximum hourly input is 4,166.7 BF/hr
MaterialTypeName: Green dimensioned lumber
MaximumHourlyRate: 10.4 tons/hr
MoistureContent: 50
FuelType: Wood Products
PotentialFuelConsumption: 0
MaxHourlyConsumption: 0
MaxHourlyAvgConsumption: 0
MaxAnnualFuelConsumption: 0
PercentOzoneSeason: 0
MaxHeatingValue: 0
MaxHeatingValueUnits: 0
MaxHeatInput: 0
MinHeatInput: 0
AvgHeatInput: 0
MaxAllowableSulfurPercent: 2.5

Comment: Source DK02 does not actually burn any fuel. Heat is provided by the Fluidized Bed Combustor (FB01). The application software would not validate the application without adding a "fuel burned component" for the kiln.

Unit: Tons

ReleasePointID: S009

ReleasePointType: Vertical

Latitude: 30.83529

Longitude: -83.996866

Height: 20

RuleID: 15

RefType: SIP

RefCode: .02(2)(e)

Description: Particulate Emission from Manufacturing Processes

RuleID: 6

RefType: SIP

RefCode: .02(2)(b)

Description: Visible Emissions

* [Group 6]

EUID:

DK03

EUType:

Dryers, Calciners, Kilns & Ovens

InstallationDate:

01/02/1980

Description:

-- Detail --:

Emission Unit Type: 4

Emission Source Identifier: DK03

Emission Source Name: Drying Kiln #3

Description: Direct-fired kiln for drying green lumber. Heated air supplied by SB01. Emissions are emitted through the roof vents, identified as single point source S010.

Manufacturer: US Natural Resources, Inc.

Model Number: Hi temp direct fired

Date of Manufacture/Reconstruction/Modification: 01/01/2001

Installation Date: 01/02/1980

Identify type of emission unit: Kiln

Identify the specific type of dryer, calciner, kiln or oven that this unit is: Other

Description of other: Lumber Drying Kiln

Comments: Maximum hourly input is 4,166.7 BF/hr

MaterialTypeName: Green dimensioned lumber

MaximumHourlyRate: 10.4 tons/hr

MoistureContent: 50

FuelType: Wood Products

PotentialFuelConsumption: 0

MaxHourlyConsumption: 0

MaxHourlyAvgConsumption: 0

MaxAnnualFuelConsumption: 0

PercentOzoneSeason: 0
MaxHeatingValue: 0
MaxHeatingValueUnits: 0
MaxHeatInput: 0
MinHeatInput: 0
AvgHeatInput: 0
MaxAllowableSulfurPercent: 2.5

Comment: Source DK03 does not actually burn any fuel. Heat is provided by the Suspension Burner (SB01). The application software would not validate the application without adding a "fuel burned component" for the kiln.

Unit: Tons
ReleasePointID: S010
ReleasePointType: Vertical
Latitude: 30.835479
Longitude: -83.996924
Height: 20
RuleID: 20
RefType: SIP
RefCode: .02(2)(g)
Description: Sulfur Dioxide
RuleID: 15
RefType: SIP
RefCode: .02(2)(e)
Description: Particulate Emission from Manufacturing Processes
RuleID: 6
RefType: SIP
RefCode: .02(2)(b)
Description: Visible Emissions

* [Group 7]

EUID: DK04
EUType: Dryers, Calciners, Kilns & Ovens
InstallationDate: 01/01/2014

Description:

-- Detail --:

Emission Unit Type: 4
Emission Source Identifier: DK04
Emission Source Name: Drying Kiln #4
Description: Direct-fired continuous drying kiln with heated air supplied by sloped grate burner SG01.
Manufacturer: USNR
Model Number: Unknown
Date of Manufacture/Reconstruction/Modification: 01/01/2014
Installation Date: 01/01/2014
Identify type of emission unit: Kiln
Identify the specific type of dryer, calciner, kiln or oven that this unit is: Other

Description of other: Lumber Drying Kiln

Comments: Maximum hourly input is 9,132.4 BF/hr

MaterialTypeName: Green dimensional lumber

MaximumHourlyRate: 22.79 tons/hr

MoistureContent: 50

FuelType: Wood Products

PotentialFuelConsumption: 0

MaxHourlyConsumption: 0

MaxHourlyAvgConsumption: 0

MaxAnnualFuelConsumption: 0

PercentOzoneSeason: 0

MaxHeatingValue: 0

MaxHeatingValueUnits: 0

MaxHeatInput: 0

MinHeatInput: 0

AvgHeatInput: 0

MaxAllowableSulfurPercent: 2.5

Comment: Source DK04 does not actually burn any fuel. Heat is provided by the Sloped Grate Burner (SG01). The application software would not validate the application without adding a "fuel burned component" for the kiln.

Unit: Tons

ReleasePointID: S011

ReleasePointType: Horizontal

Latitude: 30.834418

Longitude: -83.99756

Height: 17.5

ReleasePointID: S012

ReleasePointType: Horizontal

Latitude: 30.834382

Longitude: -83.997558

Height: 17.5

ReleasePointID: S013

ReleasePointType: Horizontal

Latitude: 30.83458

Longitude: -83.996802

Height: 17.5

ReleasePointID: S014

ReleasePointType: Horizontal

Latitude: 30.834544

Longitude: -83.99679

Height: 17.5

RuleID: 15

RefType: SIP

RefCode: .02(2)(e)

Description: Particulate Emission from Manufacturing Processes

RuleID: 6

RefType: SIP

RefCode: .02(2)(b)

Description: Visible Emissions