2022 Emissions Report

In Process

Release Points

Release Point | Location | Additional Information

Identifier:
EP-001

Type:
Vertical with Rain Cap

Description:
Boiler Stack

Status:
Operating

Status Year:

Stack Height:
35.0 FEET

Stack Shape:
(•) Circular ( ) Rectangular

Stack Diameter:
2.00 FEET

Exit Gas Temp:
350 °F

Exit Gas Flow Rate:
6100 ACFM - ACTUAL CUBIC FEET PER

Exit Gas Velocity:
1941.69031 FPM - FEET PER MINUTE

Fence Line Distance:
FEET

Related Unit Processes:
EU-001 - Fuel Oil Boiler, EU-001 -1 - Fuel Oil Combustion

Comments:

2022 Emissions Report

In Process

Emission Units

Emission Unit | Additional Information

Identifier:

EU-001

Type:

100 - Boiler

Description:

Fuel Oil Boiler

Status:

OP - Operating

Status Year:

Operation Start Date:

Design Capacity

Related Unit Processes:

EU-001 -1 - Fuel Oil Combustion

Comments:

Delete | Cancel | Save

2022 Emissions Report

In Process

Unit Processes

Unit Process | Regulatory Programs | Control Approach | Release Point Apportionment | Additional Information

Process Identifier:
EU-001 -1

Emission Unit Identifier:
EU-001 - Fuel Oil Boiler

SCC:

Code: 10200502 ~ or ~

- External Combustion
- Industrial: Boilers
- Distillate Oil
- 10-100 Million BTU/hr

Description:
Fuel Oil Combustion

Status:
OP - Operating

Status Year:

Related Process Emission:
EU-001 -1 - Fuel Oil Combustion

Comments:

2022 Emissions Report

In Process

Unit Processes

Unit Process | Regulatory Programs | Control Approach | Release Point Apportionment | Additional Information

Release Point Apportionment:

Release Point	%
EP-001 - Boiler Stack	100

2022 Emissions Report

In Process

Process Emissions

Process | Operations | Emissions

Process Identifier:

EU-001 -1 - Fuel Oil Combustion

Emission Unit Identifier:

EU-001 - Fuel Oil Boiler

SCC:

10200502

External Combustion-Industrial: Boilers-Distillate Oil-10-100 Million BTU/hr

Process is Reported?:

☑ Uncheck this box if there are no reportable emissions for the reporting year

Annual Throughput:

5

Throughput Unit of Measure:

E3GAL - 1000 GALLONS

Throughput Type:

I - Input

Throughput Material:

IA49 - FUEL OIL

Supplemental Calculation Parameters:

% Ash

% Sulfur

Heat Content (MMBTU/Unit)

Comments:

Next | Cancel | Save

2022 Emissions Report

In Process

Process Emissions

Process | **Operations** | Emissions

Average Hours/Day:
24.00

Average Days/Week:
7.00

Average Weeks/Year:
38.00

Actual Hours/Year:
6384.0

Seasonal Operations:

December-February	March-May	June-August
35.0 %	21.7 %	15.0 %

September-November
28.3 %

2022 Emissions Report

In Process

Process Emissions

Process | Operations | **Emissions**

Filter:

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Estimated Emis. (Tons):
PM25-PRI	1.55	E3GAL	8 - USEPA EF (post-control)	0.003874999999999
PM10-PRI	2.3	E3GAL	8 - USEPA EF (post-control)	0.005749999999999
SO2	142	E3GAL	8 - USEPA EF (post-control)	0.354999999999999
NOX	20	E3GAL	8 - USEPA EF (post-control)	0.05
VOC	0.2	E3GAL	8 - USEPA EF (post-control)	0.0005
CO	5	E3GAL	8 - USEPA EF (post-control)	0.0125
NH3	0.8	E3GAL	8 - USEPA EF (post-control)	0.002

2022 Emissions Report

In Process

Process Emissions

Process | Operations | Emissions

Filter:

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Estimated Emis. (Tons):
PM25-PRI	1.55	E3GAL	8 - USEPA EF (post-control)	0.003874999999999

Pollutant Code:
PM25-PRI - PM2.5 Primary (Filt + Cond)

Calculation Method:
8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):
1.55

Emission Factor Unit:
E3GAL - 1000 GALLONS

Estimated Emissions (Tons):
0.003874999999999

Comment:
1.55 lbs PM2.5/1,000 gal * 5 1,000 gal * 1 ton/2,000 lbs = 0.004 tons PM 2.5

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Estimated Emis. (Tons):
PM10-PRI	2.3	E3GAL	8 - USEPA EF (post-control)	0.005749999999999

Pollutant Code:
PM10-PRI - PM10 Primary (Filt + Cond)

Calculation Method:
8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):
2.3

Emission Factor Unit:
E3GAL - 1000 GALLONS

Estimated Emissions (Tons):
0.005749999999999

Comment:
2.3 lbs PM10/1,000 gal * 5 1,000 gal * 1 ton/2,000 lbs = 0.006 tons PM 10

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Estimated Emis. (Tons):
SO2	142	E3GAL	8 - USEPA EF (post-control)	0.354999999999999

Pollutant Code:
SO2 - Sulfur Dioxide

Calculation Method:
8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):
142

Emission Factor Unit:
E3GAL - 1000 GALLONS

Estimated Emissions (Tons):
0.354999999999999

Comment:
142 lbs SO2/1,000 gal * 5 1,000 gal * 1 ton/2,000 lbs = 0.35 tons SO2

Individual pollutant calculations continued:

NOX	20	E3GAL	8 - USEPA EF (post-control)	0.05

Pollutant Code:
NOX - Nitrogen Oxides

Calculation Method:
8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):
20

Emission Factor Unit:
E3GAL - 1000 GALLONS

Estimated Emissions (Tons):
0.05

Comment:
20 lbs NOx/1,000 gal * 5 1,000 gal * 1 ton/2,000 lbs = 0.05 tons NOx

VOC	0.2	E3GAL	8 - USEPA EF (post-control)	0.0005

Pollutant Code:
VOC - Volatile Organic Compounds

Calculation Method:
8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):
0.2

Emission Factor Unit:
E3GAL - 1000 GALLONS

Estimated Emissions (Tons):
0.0005

Comment:
0.2 lbs VOC/1,000 gal * 5 1,000 gal * 1 ton/2,000 lbs = 0.0005 tons VOC

CO	5	E3GAL	8 - USEPA EF (post-control)	0.0125

Pollutant Code:
CO - Carbon Monoxide

Calculation Method:
8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):
5

Emission Factor Unit:
E3GAL - 1000 GALLONS

Estimated Emissions (Tons):
0.0125

Comment:
5 lbs CO/1,000 gal * 5 1,000 gal * 1 ton/2,000 lbs = 0.0125 tons CO

NH3	0.8	E3GAL	8 - USEPA EF (post-control)	0.002

Pollutant Code:
NH3 - Ammonia

Calculation Method:
8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):
0.8

Emission Factor Unit:
E3GAL - 1000 GALLONS

Estimated Emissions (Tons):
0.002

Comment:
0.8 lbs NH3/1,000 gal * 5 1,000 gal * 1 ton/2,000 lbs = 0.002 tons NH3