

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:	~ or ~	External Combustion
10200502		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

35.0 %

ⓘ March-May

21.7 %

ⓘ June-August

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)	0.0038749999999999
▶ PM10-PRI	2.3	E3GAL	8 - USEPA EF (post-control)	0.0057499999999999
▶ SO2	142	E3GAL	8 - USEPA EF (post-control)	0.3549999999999999
▶ 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)	0.0038749999999999

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):

0.0038749999999999

Comment:

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

▼ PM10- PRI	2.3	E3GAL	8 - USEPA EF (post- control)	0.0057499999999999
----------------	-----	-------	---------------------------------	--------------------

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):

0.0057499999999999

Comment:

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

▼ SO2	142	E3GAL	8 - USEPA EF (post- control)	0.3549999999999999
-------	-----	-------	---------------------------------	--------------------

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):

0.3549999999999999

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 - 1 000 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 - 1 000 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 - 1 000 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 - 1 000 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				