

2022 Emissions Report

In Process



Release Points

Release Point	Location	Additional Information
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Identifier:

EP-003

Type:

Vertical

Description:

Boiler Stack

Status:

Operating

Status Year:

Stack Height:

20.0

FEET

Stack Shape:

Circular Rectangular

Stack Diameter:

1.50

FEET

Exit Gas Temp:

300

°F

Exit Gas Flow Rate:

3600

ACFM - ACTUAL CUBIC FEET PER

Exit Gas Velocity:

2037.18327

FPM - FEET PER MINUTE

Fence Line Distance:

FEET

Related Unit Processes:

EU-003 - Natural Gas Boiler, EU-003 -1 - Natural Gas Combustion

Comments:

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Emission Units

Emission Unit

Additional Information

? Identifier:

EU-003

? Type:

100 - Boiler

? Description:

Natural Gas Boiler

? Status:

OP - Operating



? Status Year:

? Operation Start Date:



? Design Capacity



? Related Unit Processes:

EU-003 -1 - Natural Gas Combustion

? Comments:

Delete

Cancel

Save

2022 Emissions Report

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Unit Processes

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

Process Identifier:

EU-003 -1

Emission Unit Identifier:

EU-003 - Natural Gas Boiler

SCC:

Code: ~ or ~

- External Combustion
- Industrial: Boilers
- Natural Gas
- 10-100 Million BTU/hr

Description:

Natural Gas Combustion

Status:

OP - Operating

Status Year:

Related Process Emission:

EU-003 -1 - Natural Gas Combustion

Comments:

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Unit Processes

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

Release Point Apportionment:



Release Point	%
<input type="text" value="EP-003 - Boiler Stack"/>	<input type="text" value="100"/>

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Process Emissions

Process

Operations

Emissions

Process Identifier:

EU-003 -1 - Natural Gas Combustion

Emission Unit Identifier:

EU-003 - Natural Gas Boiler

SCC:

10200602

External Combustion-Industrial: Boilers-Natural Gas-10-100 Million BTU/hr

Process is Reported?:

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

Annual Throughput:

24.5

Throughput Unit of Measure:

E6FT3 - MILLION CUBIC FEET

Throughput Type:

I - Input

Throughput Material:

209 - Natural Gas

Supplemental Calculation Parameters:

% Ash

% Sulfur

Heat Content (MMBTU/Unit)

Comments:

Cancel

Save

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Process Emissions

- Process
- Operations**
- Emissions

? Average Hours/Day:

8.00

? Average Days/Week:

5.00

? Average Weeks/Year:

52.00

? Actual Hours/Year:

2080.0

Seasonal Operations:

? December-February

25.0 %

? March-May

25.0 %

? June-August

25.0 %

? September-November


25.0 %

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Process Emissions

- Process
- Operations
- Emissions**

Filter: 

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Estimated Emis. (Tons):
▶ PM25-PRI	7.6	E6FT3	8 - USEPA EF (post-control)	0.0930999999999999
▶ PM10-PRI	7.6	E6FT3	8 - USEPA EF (post-control)	0.0930999999999999
▶ SO2	0.6	E6FT3	8 - USEPA EF (post-control)	0.0073499999999999
▶ NOX	100	E6FT3	8 - USEPA EF (post-control)	1.225
▶ VOC	5.5	E6FT3	8 - USEPA EF (post-control)	0.067375
▶ CO	84	E6FT3	8 - USEPA EF (post-control)	1.029
▶ NH3	3.2	E6FT3	8 - USEPA EF (post-control)	0.0392
▶ Hexane	1.8	E6FT3	8 - USEPA EF (post-control)	0.02205

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Process Emissions

- Process
- Operations
- Emissions**

Filter:

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Estimated Emis. (Tons):
▼ PM25-PRI	7.6	E6FT3	8 - USEPA EF (post-control)	0.0930999999999999
Pollutant Code: PM25-PRI - PM2.5 Primary (Filt + Cond)		Calculation Method: 8 - USEPA EF (post-control)		
Emission Factor (Lbs/Unit): 7.6		Emission Factor Unit: E6FT3 - MILLION CUBIC FEET		
Estimated Emissions (Tons): 0.0930999999999999				
Comment: 7.6 lbs PM2.5/MMBtu natural gas * 24.5 MMBtu * 1 ton/2,000 lbs = 0.09 tons PM 2.5				
▼ PM10-PRI	7.6	E6FT3	8 - USEPA EF (post-control)	0.0930999999999999
Pollutant Code: PM10-PRI - PM10 Primary (Filt + Cond)		Calculation Method: 8 - USEPA EF (post-control)		
Emission Factor (Lbs/Unit): 7.6		Emission Factor Unit: E6FT3 - MILLION CUBIC FEET		
Estimated Emissions (Tons): 0.0930999999999999				
Comment: 7.6 lbs PM10/MMBtu natural gas * 24.5 MMBtu * 1 ton/2,000 lbs = 0.09 tons PM 10				
▼ SO2	0.6	E6FT3	8 - USEPA EF (post-control)	0.0073499999999999
Pollutant Code: SO2 - Sulfur Dioxide		Calculation Method: 8 - USEPA EF (post-control)		
Emission Factor (Lbs/Unit): 0.6		Emission Factor Unit: E6FT3 - MILLION CUBIC FEET		
Estimated Emissions (Tons): 0.0073499999999999				
Comment:				

Individual pollutant calculations continued:

▼ NOX	100	E6FT3	8 - USEPA EF (post-control)	1.225
Pollutant Code: NOX - Nitrogen Oxides		Calculation Method: 8 - USEPA EF (post-control)		
Emission Factor (Lbs/Unit): 100		Emission Factor Unit: E6FT3 - MILLION CUBIC FEET		
Estimated Emissions (Tons): 1.225				
Comment:				
▼ VOC	5.5	E6FT3	8 - USEPA EF (post-control)	0.067375
Pollutant Code: VOC - Volatile Organic Compounds		Calculation Method: 8 - USEPA EF (post-control)		
Emission Factor (Lbs/Unit): 5.5		Emission Factor Unit: E6FT3 - MILLION CUBIC FEET		
Estimated Emissions (Tons): 0.067375				
Comment:				
▼ CO	84	E6FT3	8 - USEPA EF (post-control)	1.029
Pollutant Code: CO - Carbon Monoxide		Calculation Method: 8 - USEPA EF (post-control)		
Emission Factor (Lbs/Unit): 84		Emission Factor Unit: E6FT3 - MILLION CUBIC FEET		
Estimated Emissions (Tons): 1.029				
Comment:				

Individual pollutant calculations continued:

▼ NH3	3.2	E6FT3	8 - USEPA EF (post-control)	0.0392
Pollutant Code: NH3 - Ammonia		Calculation Method: 8 - USEPA EF (post-control)		
Emission Factor (Lbs/Unit): 3.2		Emission Factor Unit: E6FT3 - MILLION CUBIC FEET		
Estimated Emissions (Tons): 0.0392				
Comment:				
▼ Hexane	1.8	E6FT3	8 - USEPA EF (post-control)	0.02205
Pollutant Code: 110543 - Hexane		Calculation Method: 8 - USEPA EF (post-control)		
Emission Factor (Lbs/Unit): 1.8		Emission Factor Unit: E6FT3 - MILLION CUBIC FEET		
Estimated Emissions (Tons): 0.02205				
Comment:				

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