

2022 Emissions Report

In Process



Release Points

Release Point	Location	Additional Information
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Identifier:

EP-001

Type:

Vertical

Description:

Diesel Generator Stack

Status:

Operating

Status Year:

Stack Height:

67.0 FEET

Stack Shape:

☒ Circular ☐ Rectangular

Stack Diameter:

0.50 FEET

Exit Gas Temp:

400 °F

Exit Gas Flow Rate:

7795 ACFM - ACTUAL CUBIC FEET PER

Exit Gas Velocity:

39699.609 FPM - FEET PER MINUTE

Fence Line Distance:

FEET

Related Unit Processes:

EU-001 - Diesel Generator, EU-001 -1 - Diesel Generator

Comments:

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Emission Units

Emission Unit

Additional Information

? Identifier:

EU-001

? Type:

160 - Reciprocating IC Engine

? Description:

Diesel Generator

? Status:

OP - Operating



? Status Year:

? Operation Start Date:

01-01-2010



? Design Capacity



? Related Unit Processes:

EU-001 -1 - Diesel Generator

? 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 - Diesel Generator

? SCC:

Code: 20200102	~ or ~	Internal Combustion Engines	▼
		Industrial	▼
		Distillate Oil (Diesel)	▼
		Reciprocating	▼

? Description:

Diesel Generator

? Status:

OP - Operating ▼

? Status Year:

Related Process Emission:

EU-001 -1 - Diesel Generator

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Unit Processes

Unit Process	Regulatory Programs	Control Approach	Release Point Apportionment
Additional Information			

? Release Point Apportionment:



Release Point	%
EP-001 - Diesel Genera ▼	100

2022 Emissions Report

In Process



Process Emissions

Process

Operations

Emissions

Process Identifier:

EU-001 -1 - Diesel Generator

Emission Unit Identifier:

EU-001 - Diesel Generator

SCC:

20200102

Internal Combustion Engines-Industrial-Distillate Oil (Diesel)-Reciprocating

Process is Reported?:

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

Annual Throughput:

140

Throughput Unit of Measure:

E6BTU - MILLION BTUS

Throughput Type:

I - Input

Throughput Material:

44 - Diesel

Supplemental Calculation Parameters:

% Ash

% Sulfur

Heat Content (MMBTU/Unit)

Comments:

1,000 gallons fuel used * 0.14 MMBtu/Gal = 140 MMBtu

Next



Cancel



Save



2022 Emissions Report

In Process 

Process Emissions

Process	Operations	Emissions
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 Average Hours/Day:

1.06

 Average Days/Week:

1.00

 Average Weeks/Year:

8.00

 Actual Hours/Year:

8.5

Seasonal Operations:

 December-February

25.5 %

 March-May

23.5 %

 June-August

23.5 %

 September-November

27.5 %

2022 Emissions Report

In Process 

Process Emissions

Process	Operations	Emissions
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Filter: 

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Estimated Emis. (Tons):
▶ PM25-PRI	0.31	E6BTU	28 - USEPA EF (pre-control)	0.0217
▶ PM10-PRI	0.31	E6BTU	28 - USEPA EF (pre-control)	0.0217
▶ SO2	0.29	E6BTU	28 - USEPA EF (pre-control)	0.0202999999999999
▶ NOX	4.41	E6BTU	28 - USEPA EF (pre-control)	0.3086999999999999
▶ VOC	0.35	E6BTU	28 - USEPA EF (pre-control)	0.0245
▶ CO	0.95	E6BTU	28 - USEPA EF (pre-control)	0.0665

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	0.31	E6BTU	28 - USEPA EF (pre-control)	0.0217
Pollutant Code: PM25-PRI - PM2.5 Primary (Filt + Cond)			Calculation Method: 28 - USEPA EF (pre-control)	
Emission Factor (Lbs/Unit): 0.31			Emission Factor Unit: E6BTU - MILLION BTUS	
Estimated Emissions (Tons): 0.0217			Overall Control Efficiency (%): 0%	
Comment: 0.31 lbs PM2.5/MMBtu diesel burned 0.31 lb/MMBtu * 140 MMBtu * 1 ton/2000 lbs = 0.02 tons PM2.5				
▼ PM10-PRI	0.31	E6BTU	28 - USEPA EF (pre-control)	0.0217
Pollutant Code: PM10-PRI - PM10 Primary (Filt + Cond)			Calculation Method: 28 - USEPA EF (pre-control)	
Emission Factor (Lbs/Unit): 0.31			Emission Factor Unit: E6BTU - MILLION BTUS	
Estimated Emissions (Tons): 0.0217			Overall Control Efficiency (%): 0%	
Comment: 0.31 lbs PM10/MMBtu diesel burned 0.31 lb/MMBtu * 140 MMBtu * 1 ton/2000 lbs = 0.02 tons PM10				
▼ SO2	0.29	E6BTU	28 - USEPA EF (pre-control)	0.0202999999999999
Pollutant Code: SO2 - Sulfur Dioxide			Calculation Method: 28 - USEPA EF (pre-control)	
Emission Factor (Lbs/Unit): 0.29			Emission Factor Unit: E6BTU - MILLION BTUS	
Estimated Emissions (Tons): 0.0202999999999999			Overall Control Efficiency (%): 0%	
Comment: 0.29 lbs SO2/MMBtu diesel burned 0.29 lbs SO2/MMBtu * 140 MMBtu * 1 ton/2,000 lbs = 0.02 tons				

Individual pollutant calculations continued:

▼ NOX	4.41	E6BTU	28 - USEPA EF (pre-control)	0.308699999999999
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Pollutant Code:
NOX - Nitrogen Oxides

Calculation Method:
28 - USEPA EF (pre-control)

Emission Factor (Lbs/Unit):
4.41

Emission Factor Unit:
E6BTU - MILLION BTUS

Estimated Emissions (Tons):
0.308699999999999

Overall Control Efficiency (%):
0%

Comment:
4.41 lbs NOx/MMBtu diesel burned 4.41 lb/MMBtu * 140 MMBtu * 1 ton/2000 lbs = 0.31 tons NOx

▼ VOC	0.35	E6BTU	28 - USEPA EF (pre-control)	0.0245
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Pollutant Code:
VOC - Volatile Organic Compounds

Calculation Method:
28 - USEPA EF (pre-control)

Emission Factor (Lbs/Unit):
0.35

Emission Factor Unit:
E6BTU - MILLION BTUS

Estimated Emissions (Tons):
0.0245

Overall Control Efficiency (%):
0%

Comment:
0.35 lbs VOC/MMBtu diesel burned 0.35 lb/MMBtu * 140 MMBtu * 1 ton/2000 lbs = 0.02 tons VOC

▼ CO	0.95	E6BTU	28 - USEPA EF (pre-control)	0.0665
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Pollutant Code:
CO - Carbon Monoxide

Calculation Method:
28 - USEPA EF (pre-control)

Emission Factor (Lbs/Unit):
0.95

Emission Factor Unit:
E6BTU - MILLION BTUS

Estimated Emissions (Tons):
0.0665

Overall Control Efficiency (%):
0%

Comment:
0.95 lbs CO/MMBtu diesel burned 0.95 lb/MMBtu * 140 MMBtu * 1 ton/2000 lbs = 0.07 tons CO

Next 