

2022 Emissions Report

In Process



Release Points

Release Point	Location	Additional Information
---------------	----------	------------------------

Identifier:

EP-003

Type:

Horizontal

Description:

Welding Vent

Status:

Operating

Status Year:

Stack Height:

12.0 FEET

Stack Shape:

Circular Rectangular

Stack Opening Length:

0.67

FEET

Stack Opening Width:

0.83

FEET

Equivalent Diameter:

0.84 FEET

Exit Gas Temp:

68 °F

Exit Gas Flow Rate:

900

ACFM - ACTUAL CUBIC FEET PER

Exit Gas Velocity:

1624.03003

FPM - FEET PER MINUTE

Fence Line Distance:

FEET

Related Unit Processes:

EU-003 - Welding, EU-003 -1 - GMAW

2022 Emissions Report

In Progress



Emission Units

Emission Unit

Additional Information

Identifier:

EU-003

Type:

690 - Other process equipment

Description:

Welding

Status:

OP - Operating

Status Year:

Operation Start Date:

Design Capacity

Related Unit Processes:

EU-003 -1 - GMAW

Comments:

Delete

Cancel

Save

2022 Emissions Report

In Progress



Unit Processes

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

Additional Information

Process Identifier:

EU-003 -1

Emission Unit Identifier:

EU-003 - Welding

SCC:

Code: ~ or ~

- Industrial Processes
- Fabricated Metal Products
- Gas Metal Arc Welding (GMAW)
- E308I Electrode

Description:

Status:

Status Year:

Related Process Emission:

EU-003 -1 - GMAW

2022 Emissions Report

In Progress



Unit Processes

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

Additional Information

Release Point Apportionment:



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

2022 Emissions Report

In Process



Process Emissions

Process

Operations

Emissions

Process Identifier:

EU-003 -1 - GMAW

Emission Unit Identifier:

EU-003 - Welding

SCC:

30905212

Industrial Processes-Fabricated Metal Products-Gas Metal Arc Welding (GMAW)-E308I Electrode

Process is Reported?:

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

Annual Throughput:

40

Throughput Unit of Measure:

E3LB - 1000 POUNDS

Throughput Type:

I - Input

Throughput Material:

77 - Electrode

Supplemental Calculation Parameters:

% Ash

% Sulfur

Heat Content (MMBTU/Unit)

Comments:

Electrode E308

Cancel

Save

2022 Emissions Report

In Process



Process Emissions

- Process
- Operations**
- Emissions

Average Hours/Day:

8.00

Average Days/Week:

6.00

Average Weeks/Year:

52.00

Actual Hours/Year:

2496.0

Seasonal Operations:

December-February

25.0 %

March-May

25.0 %

June-August

25.0 %

September-November

25.0 %

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	5.4	E3LB	8 - USEPA EF (post-control)	0.10799999999999999
▶ PM10-PRI	5.4	E3LB	8 - USEPA EF (post-control)	0.10799999999999999
▶ Chromium Compounds	0.524	E3LB	8 - USEPA EF (post-control)	0.01047999999999999
▶ Manganese Compounds	0.346	E3LB	8 - USEPA EF (post-control)	0.00691999999999999
▶ Nickel	0.184	E3LB	8 - USEPA EF (post-control)	0.00367999999999999

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	5.4	E3LB	8 - USEPA EF (post-control)	0.107999999999999

Pollutant Code:

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

Calculation Method:

8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):

5.4

Emission Factor Unit:

E3LB - 1000 POUNDS

Estimated Emissions (Tons):

0.107999999999999

Comment:

5.4 lbs PM2.5/1,000 lbs electrode * 40 1,000 lbs * 1 ton/2,000 lbs = 0.11 tons PM 2.5

▼ PM10-PRI	5.4	E3LB	8 - USEPA EF (post-control)	0.107999999999999
------------	-----	------	-----------------------------	-------------------

Pollutant Code:

PM10-PRI - PM10 Primary (Filt + Cond)

Calculation Method:

8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):

5.4

Emission Factor Unit:

E3LB - 1000 POUNDS

Estimated Emissions (Tons):

0.107999999999999

Comment:

5.4 lbs PM10/1,000 lbs electrode * 40 1,000 lbs * 1 ton/2,000 lbs = 0.11 tons PM 10

▼ Chromium Compounds	0.524	E3LB	8 - USEPA EF (post-control)	0.010479999999999
----------------------	-------	------	-----------------------------	-------------------

Pollutant Code:

7440473 - Chromium Compounds

Calculation Method:

8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):

0.524

Emission Factor Unit:

E3LB - 1000 POUNDS

Estimated Emissions (Tons):

0.010479999999999

Comment:

Individual pollutant calculations continued:

▼ Manganese Compounds	0.346	E3LB	8 - USEPA EF (post-control)	0.006919999999999
-----------------------	-------	------	-----------------------------	-------------------

Pollutant Code:

7439965 - Manganese Compounds

Calculation Method:

8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):

0.346

Emission Factor Unit:

E3LB - 1000 POUNDS

Estimated Emissions (Tons):

0.006919999999999

Comment:

▼ Nickel	0.184	E3LB	8 - USEPA EF (post-control)	0.003679999999999
----------	-------	------	-----------------------------	-------------------

Pollutant Code:

7440020 - Nickel

Calculation Method:

8 - USEPA EF (post-control)

Emission Factor (Lbs/Unit):

0.184

Emission Factor Unit:

E3LB - 1000 POUNDS

Estimated Emissions (Tons):

0.003679999999999

Comment: