

# 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:

30905212

~ or ~

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

### Description:

GMAW

### Status:

OP - Operating

### 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

%

EP-003 - Welding Vent

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
<b>Pollutant Code:</b> PM25-PRI - PM2.5 Primary (Filt + Cond)		<b>Calculation Method:</b> 8 - USEPA EF (post-control)		
<b>Emission Factor (Lbs/Unit):</b> 5.4		<b>Emission Factor Unit:</b> E3LB - 1000 POUNDS		
<b>Estimated Emissions (Tons):</b> 0.107999999999999				
<b>Comment:</b> 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
<b>Pollutant Code:</b> PM10-PRI - PM10 Primary (Filt + Cond)		<b>Calculation Method:</b> 8 - USEPA EF (post-control)		
<b>Emission Factor (Lbs/Unit):</b> 5.4		<b>Emission Factor Unit:</b> E3LB - 1000 POUNDS		
<b>Estimated Emissions (Tons):</b> 0.107999999999999				
<b>Comment:</b> 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
<b>Pollutant Code:</b> 7440473 - Chromium Compounds		<b>Calculation Method:</b> 8 - USEPA EF (post-control)		
<b>Emission Factor (Lbs/Unit):</b> 0.524		<b>Emission Factor Unit:</b> E3LB - 1000 POUNDS		
<b>Estimated Emissions (Tons):</b> 0.010479999999999				
<b>Comment:</b>				

## Individual pollutant calculations continued:

▼ Manganese Compounds	0.346	E3LB	8 - USEPA EF (post-control)	0.006919999999999
<b>Pollutant Code:</b> 7439965 - Manganese Compounds		<b>Calculation Method:</b> 8 - USEPA EF (post-control)		
<b>Emission Factor (Lbs/Unit):</b> 0.346		<b>Emission Factor Unit:</b> E3LB - 1000 POUNDS		
<b>Estimated Emissions (Tons):</b> 0.006919999999999				
<b>Comment:</b>				
▼ Nickel	0.184	E3LB	8 - USEPA EF (post-control)	0.003679999999999
<b>Pollutant Code:</b> 7440020 - Nickel		<b>Calculation Method:</b> 8 - USEPA EF (post-control)		
<b>Emission Factor (Lbs/Unit):</b> 0.184		<b>Emission Factor Unit:</b> E3LB - 1000 POUNDS		
<b>Estimated Emissions (Tons):</b> 0.003679999999999				
<b>Comment:</b>				