

2022 Emissions Report

In Process



Release Points

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

Identifier:

EP-002

Type:

Vertical with Rain Cap

Description:

Paint Booth Stack

Status:

Operating

Status Year:

Stack Height:

18.0 FEET

Stack Shape:

Circular Rectangular

Stack Diameter:

2.50 FEET

Exit Gas Temp:

68 °F

Exit Gas Flow Rate:

18000 ACFM - ACTUAL CUBIC FEET PER

Exit Gas Velocity:

3666.92989 FPM - FEET PER MINUTE

Fence Line Distance:

FEET

Related Unit Processes:

EU-002 - Paint Booth, EU-002 -1 - Spray Painting

Comments:

2022 Emissions Report

In Process



Control Devices

Control Device

Additional Information

Identifier:

CE-002

Description:

Paint Booth Filter

Status:

OP - Operating



Status Year:

Control Measure:

313 - Spray booth and Filter

Controlled Pollutants:

PM10-PRI

95

%

PM10 Primary (Filt + Cond)



PM25-PRI

95

%

PM2.5 Primary (Filt + Cond)



Related Unit Processes:

EU-002 - Paint Booth, EU-002 -1 - Spray Painting

Comments:

Delete

Cancel


Save

2022 Emissions Report


In Process 

Emission Units


- Emission Unit**
- Additional Information

 **Identifier:**


EU-002


 **Type:**


450 - Spray Booth or Coating Line

 **Description:**

Paint Booth


 **Status:**

OP - Operating 

 **Status Year:**

 **Operation Start Date:**




 **Design Capacity**



 **Related Unit Processes:**

EU-002 -1 - Spray Painting

 **Comments:**

2022 Emissions Report

In Process



Unit Processes

Unit Process

Regulatory Programs

Control Approach

Release Point Apportionment

Additional Information

Process Identifier:

EU-002 -1

Emission Unit Identifier:

EU-002 - Paint Booth

SCC:

Code:

40202501

~ or ~

Chemical Evaporation

Surface Coating Operations

Miscellaneous Metal Parts

Coating Operation

Description:

Spray Painting

Status:

OP - Operating

Status Year:

Related Process Emission:

EU-002 -1 - Spray Painting

2022 Emissions Report

In Process



Unit Processes

Unit Process	Regulatory Programs	Control Approach	Release Point Apportionment
Additional Information			

? Not Controlled?:

? Control Approach Description :

Control Devices



? Control Device:

	CE-002 - Paint Booth Filter	▼	
--	-----------------------------	---	--

2022 Emissions Report

In Process



Unit Processes

Unit Process	Regulatory Programs	Control Approach	Release Point Apportionment
Additional Information			

? Release Point Apportionment:



Release Point	%
EP-002 - Paint Booth St ▼	<input type="text" value="100"/>

2022 Emissions Report

In Process



Process Emissions

Process

Operations

Emissions

Process Identifier:

EU-002 -1 - Spray Painting

Emission Unit Identifier:

EU-002 - Paint Booth

SCC:

40202501

Chemical Evaporation-Surface Coating Operations-Miscellaneous Metal Parts-Coating Operation

Process is Reported?:

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

Annual Throughput:

1300

Throughput Unit of Measure:

GAL - GALLONS

Throughput Type:

I - Input

Throughput Material:

225 - Paint

Supplemental Calculation Parameters:

% Ash

% Sulfur

Heat Content (MMBTU/Unit)

Comments:

Previous

Next

Cancel

Save

2022 Emissions Report

In Process



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 %

2022 Emissions Report

In Process



Process Emissions

- Process
- Operations
- Emissions**

Filter: x

Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:	Estimated Emis. (Tons):
▶ PM25-PRI	2.1525	GAL	3.2 - Material Balance (pre-control)	0.0699562499999999
▶ PM10-PRI	2.1525	GAL	3.2 - Material Balance (pre-control)	0.0699562499999999
▶ VOC	2.51	GAL	3.2 - Material Balance (pre-control)	1.6315
▶ Toluene	0.42	GAL	3.2 - Material Balance (pre-control)	0.273
▶ Xylenes (Mixed Isomers)	0.49	GAL	3.2 - Material Balance (pre-control)	0.3185

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	2.1525	GAL	3.2 - Material Balance (pre-control)	0.069956249999999

Pollutant Code:

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

Calculation Method:

3.2 - Material Balance (pre-control)

Emission Factor (Lbs/Unit):

2.1525

Emission Factor Unit:

GAL - GALLONS

Estimated Emissions (Tons):

0.069956249999999

Overall Control Efficiency (%):

95%

Comment:

PM2.5 emissions factor includes 65% transfer efficiency 6.15 lbs solids/gal * (1-0.65 transfer efficiency) = 2.1525 lbs/gal 2.1525 lbs/gal * 1,300 gal * (1-0.95 control efficiency) * 1 ton/2,000 lbs = 0.07 tons PM 2.5

▼ PM10-PRI	2.1525	GAL	3.2 - Material Balance (pre-control)	0.069956249999999
------------	--------	-----	--------------------------------------	-------------------

Pollutant Code:

PM10-PRI - PM10 Primary (Filt + Cond)

Calculation Method:

3.2 - Material Balance (pre-control)

Emission Factor (Lbs/Unit):

2.1525

Emission Factor Unit:

GAL - GALLONS

Estimated Emissions (Tons):

0.069956249999999

Overall Control Efficiency (%):

95%

Comment:

PM10 emissions factor includes 65% transfer efficiency 6.15 lbs solids/gal * (1-0.65 transfer efficiency) = 2.1525 lbs/gal 2.1525 lbs/gal * 1,300 gal * (1-0.95 control efficiency) * 1 ton/2,000 lbs = 0.07 tons PM 10

▼ VOC	2.51	GAL	3.2 - Material Balance (pre-control)	1.6315
-------	------	-----	--------------------------------------	--------

Pollutant Code:

VOC - Volatile Organic Compounds

Calculation Method:

3.2 - Material Balance (pre-control)

Emission Factor (Lbs/Unit):

2.51

Emission Factor Unit:

GAL - GALLONS

Estimated Emissions (Tons):

1.6315

Overall Control Efficiency (%):

0%

Comment:

There are no controls for VOC 2.51 lbs VOC/gal * 1,300 gal * 1 ton/2,000 lbs = 1.63 tons

Individual pollutant calculations continued:

▼ Toluene	0.42	GAL	3.2 - Material Balance (pre-control)	0.273
Pollutant Code: 108883 - Toluene		Calculation Method: 3.2 - Material Balance (pre-control)		
Emission Factor (Lbs/Unit): 0.42		Emission Factor Unit: GAL - GALLONS		
Estimated Emissions (Tons): 0.273		Overall Control Efficiency (%): 0%		
Comment:				
▼ Xylenes (Mixed Isomers)	0.49	GAL	3.2 - Material Balance (pre-control)	0.3185
Pollutant Code: 1330207 - Xylenes (Mixed Isomers)		Calculation Method: 3.2 - Material Balance (pre-control)		
Emission Factor (Lbs/Unit): 0.49		Emission Factor Unit: GAL - GALLONS		
Estimated Emissions (Tons): 0.3185		Overall Control Efficiency (%): 0%		
Comment:				