

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:

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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)
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PM25-PRI	95	%	PM2.5 Primary (Filt + Cond)
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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
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 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

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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

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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



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Unit Processes

Unit Process	Regulatory Programs	Control Approach	Release Point Apportionment
Additional Information			

? Release Point Apportionment:



Release Point

%



EP-002 - Paint Booth St



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

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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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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
PM10-PRI	2.1525	GAL	3.2 - Material Balance (pre-control)	0.069956249999999
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
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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
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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 Emission Factor (Lbs/Unit): 0.42 Estimated Emissions (Tons): 0.273 Comment: Calculation Method: 3.2 - Material Balance (pre-control) Emission Factor Unit: GAL - GALLONS Overall Control Efficiency (%): 0%				
▼ Xylenes (Mixed Isomers)	0.49	GAL	3.2 - Material Balance (pre-control)	0.3185
Pollutant Code: 1330207 - Xylenes (Mixed Isomers) Emission Factor (Lbs/Unit): 0.49 Estimated Emissions (Tons): 0.3185 Comment: Calculation Method: 3.2 - Material Balance (pre-control) Emission Factor Unit: GAL - GALLONS Overall Control Efficiency (%): 0%				