## 2022 Emissions Report

### Release Points

<table>
<thead>
<tr>
<th>Release Point</th>
<th>Location</th>
<th>Additional Information</th>
</tr>
</thead>
</table>

**Identifier:**
EP-002

**Type:**
- Vertical with Rain Cap

**Description:**
Paint Booth Stack

**Status:**
- Operating

**Status Year:**

**Stack Height:**
18.0 FEET

**Stack Shape:**
- Circular

**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:**

**Related Unit Processes:**
- EU-002 - Paint Booth
- EU-002 -1 - Spray Painting

**Comments:**
2022 Emissions Report

Control Devices

Identifier:
CE-002

Description:
Paint Booth Filter

Status:
OP - Operating

Status Year:

Control Measure:
313 - Spray booth and Filter

Controlled Pollutants:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>PM10-PRI</th>
<th>PM25-PRI</th>
<th>%</th>
<th>PM10 Primary (Filt + Cond)</th>
<th>PM2.5 Primary (Filt + Cond)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM10-PRI</td>
<td>95</td>
<td></td>
<td></td>
<td>PM10 Primary (Filt + Cond)</td>
<td>PM2.5 Primary (Filt + Cond)</td>
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Related Unit Processes:
EU-002 - Paint Booth, EU-002 -1 - Spray Painting

Comments:
2022 Emissions Report

Emission Units

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

## Unit Processes

**Unit Process**

<table>
<thead>
<tr>
<th>Regulatory Programs</th>
<th>Control Approach</th>
<th>Release Point Apportionment</th>
</tr>
</thead>
</table>

**Additional Information**

**Process Identifier:**
EU-002 - 1

**Emission Unit Identifier:**
EU-002 - Paint Booth

**SCC:**

<table>
<thead>
<tr>
<th>Code</th>
<th>~ or ~</th>
</tr>
</thead>
<tbody>
<tr>
<td>40202501</td>
<td></td>
</tr>
</tbody>
</table>

- 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

Unit Processes

<table>
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</table>

Additional Information

- Not Controlled?:
  - [ ]

Control Approach Description:

Control Devices

- Control Device:
  - CE-002 - Paint Booth Filter

2022 Emissions Report

Unit Processes

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Additional Information

- Release Point Apportionment:
  - Release Point
  - EP-002 - Paint Booth St: 100%
2022 Emissions Report

Process 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

Process 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

Process Emissions

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emis. Factor (Lbs/Unit)</th>
<th>Emis. Factor UOM</th>
<th>Calculation Method</th>
<th>Estimated Emis. (Tons):</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM25-PRI</td>
<td>2.1525</td>
<td>GAL</td>
<td>3.2 - Material Balance (pre-control)</td>
<td>0.0699562499999999974</td>
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<td>2.1525</td>
<td>GAL</td>
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<td>VOC</td>
<td>2.51</td>
<td>GAL</td>
<td>3.2 - Material Balance (pre-control)</td>
<td>1.6315</td>
</tr>
<tr>
<td>Toluene</td>
<td>0.42</td>
<td>GAL</td>
<td>3.2 - Material Balance (pre-control)</td>
<td>0.273</td>
</tr>
<tr>
<td>Xylenes (Mixed Isomers)</td>
<td>0.49</td>
<td>GAL</td>
<td>3.2 - Material Balance (pre-control)</td>
<td>0.3185</td>
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### Pollutant Code:
- **PM25-PRI - PM2.5 Primary (Filt + Cond)**
- **PM10-PRI - PM10 Primary (Filt + Cond)**
- **VOC - Volatile Organic Compounds**

### Calculation Method:
- 3.2 - Material Balance (pre-control)

### 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
- PM10 emissions factor includes 65% transfer efficiency 6.15 lbs solids/gal * (1-0.65 transfer efficiency) = 2.1525 lbs/gal
- 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:

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<th>Calculation Method:</th>
<th>Emission Factor Unit:</th>
<th>Overall Control Efficiency (%)</th>
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<tr>
<td>Toluene 108883</td>
<td>3.2 - Material Balance (pre-control)</td>
<td>GAL - GALLONS</td>
<td>0%</td>
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<tr>
<td>Xylenes (Mixed Isomers) 1330207</td>
<td>3.2 - Material Balance (pre-control)</td>
<td>GAL - GALLONS</td>
<td>0%</td>
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