



FORM EU3: SPRAY PAINT BOOTH INFORMATION 

Please see instructions on reverse side.

Company Name: _____

EMISSION UNIT DETAIL DESCRIPTION

1. Emission Unit Type: _____
2. Date of On-Site Installation: _____
3. Emission Unit (EU) ID: _____
4. Emission Unit Name: _____
5. Type: New Booth Unpermitted Existing Booth Modification to the Booth with Construction Permit No.: _____
6. Date of Modification: _____

7. SPRAY GUN DESCRIPTION AND SPECIFICATIONS

| Manufacturer | Model | Type | Transfer Efficiency % | Maximum Rated Capacity | Units |
|--------------|-------|------|-----------------------|------------------------|-------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

8. Number of guns to be used simultaneously: _____

9. SPRAY MATERIAL DESCRIPTION AND SPECIFICATIONS

| Type of Material Used | Type of Material Coated | Solid Content (lb/gal) | VOC Content (lb/gal) | SDS Attached? |
|-----------------------|-------------------------|------------------------|----------------------|--|
| | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |

10. Do any of the spray materials contain compounds of chromium, lead, manganese, nickel, or cadmium? Yes No

11. Are dry filters used?: Yes No

12. REQUESTED LIMITS

Are you requesting any limits for this booth? Yes No If yes, provide the requested limit.

Emission Limits: _____ Other: _____

13. MATERIAL USAGE LIMITS

| Material | Limit | VOC Content (lb/gal, % by weight, or lbs/lbs solids applied) | Single Content (lb/gal, % by weight, or lbs/lbs solids applied) | Total HAP Content (lb/gal, % by weight, or lbs/lbs solids applied) |
|----------|-------|--|---|--|
| | | | | |
| | | | | |
| | | | | |

13. Rationale for Requested Limit: _____

CONTROL EQUIPMENT

14. Control Equipment (CE) ID: _____

EMISSION POINT

15. Emission Point (EP) ID: _____

Instructions for Form EU3: Spray Paint Booth Information

- This form is intended for spray paint booths only and may be used in place of forms EU.
- An EU3 form needs to be completed for EACH spray paint booth in the application.

Simplified Permit Option: Per IAC 567 22.8(1), facilities with facility-wide spray material usage of less than one gallon per day or facilities that spray more than one gallon but never more than three as long as the stack height for the booths is at least 22 feet tall may use the [“Notification Letter for Permit by Rule for Spray Booths” Form 542-4005](#) to meet the requirement to have a construction permit. If the spray booth was installed or built after October 23, 2013, additional requirements apply to booths that use lead containing spray materials. Please refer to either IAC 567 22.8(1) or Form 542-4005 for additional information and requirements.

Understanding EU3 Form Information: Each number provides an explanation for the corresponding field on the form.

Company Name: This is useful if application pages become separated.

Spray Paint Booth Description and Specifications

1. **Emission Unit Type:** Write in *Spray Paint Booth*.
2. **Date of On-Site Installation:** Provide the date when on-site installation of the equipment began or will begin, including the day, month, and year. If you do not know the day of the month, please use the first. If you do not know the month, please use the January.
3. **Emission Unit (EU) ID:** Called the emissions unit (EU) identification (ID). It can be any combination of letters or numbers up to 16 characters in length. The ID should match the ID for this equipment used on previous construction permit applications and within this application. If also submitting an operating permit application, the ID used in this application should be consistent with those used in the operating permit application.
4. **Emission Unit Name:** Provide the name of the emission unit, such as “Paint Booth #1”.
5. **Type:** Mark the type of spray paint booth, such as a new spray paint booth to be constructed, an existing booth needing a permit for the first time, or a booth that already has an existing construction permit that you are requesting be modified.
6. **Date of Modification:** Provide the month and year of last modification. In the case of a proposed modification, provide the best estimate of modification date. For the purpose of this form, **Modification** means any physical change or change in method of operation of any existing equipment or control equipment.

Spray Gun Description and Specifications

7. Please provide information on the spray gun(s) used in the booth. Add a new record for each gun in the booth. In the table provide the following information:
 - **Manufacturer:** Specify manufacturer(s) of the spray gun(s) used in your paint booth.
 - **Model:** Specify the model(s) of the spray gun(s). Model information can be obtained from the manufacturer or vendor.
 - **Gun Type:** Indicate the type of the spray gun(s). The type can be airless, HVLP, air atomization, electrostatic/air atomization, etc. The type of spray gun can be obtained from the manufacturer to equipment vendor.
 - **Transfer Efficiency Percentage:** Indicate the transfer efficiency of the painting operation in percent. Transfer efficiency is the ratio of the amount of coating solids deposited on the surface of the material coated to the total amount of coating solids sprayed. It is dependent on several factors including the type of material coated, the type of spray gun used and the efficiency of the person applying the spray material. For estimates of transfer efficiency, please refer to your spray gun manufacturer or vendor or Appendix E in the DNR guidance document [“Estimation of Emissions for Form EC”](#).
 - **Maximum Rated Capacity:** The rated capacity is the maximum spray rate of the spray gun(s).
8. **Number of Guns:** Specify the number of the spray guns used *simultaneously* in the paint booth.

Spray Material Description and Specifications (Use Attachment if Additional Space is Needed)

9. Please provide information on the spray materials used in the booth. A new record should be created for each spray material used in the booth. In the table provide the following information:
- **Type of Material Used:** Specify all the spray (coating) materials used in this paint booth including enamel, lacquer, clean-up solvent, primer, etc.
 - **Type of Material Coated:** Indicate all of the types of materials being coated in this paint booth including metal, wood, plastic, etc.
 - **Solid Content:** Indicate the maximum solid content for each coating material used in the paint booth in pounds per gallon as specified in the product specification sheets or SDS. SDS and product specifications can be obtained from your paint manufacturer or vendor.
 - **VOC Content:** Indicate the maximum volatile organic chemicals (VOC) content for each coating material used in the paint booth in pounds per gallon as specified in the product specification sheets or SDS. SDS and product specifications can be obtained from your paint manufacturer or vendor.
 - **SDS Attached:** The Safety Data Sheet (SDS) or product specification sheets for each coating material used in the spray paint booth should be attached with the application. The SDS must contain the total VOC content, a listing of each ingredient, and the weight percent of these ingredients.
10. **Spray Material Compounds:** Indicate if any of the coating materials used in the paint booth contain any of the listed compounds. Refer to your SDS or product specification sheet for a listing of all compounds contained in the listed spray materials.
11. **Control Equipment:** Indicate if dry filters are used. If dry filters are used, please complete the dry filter control information on Form CE7. If control equipment other than a dry filter system is installed on this spray paint booth, indicate *No* and complete the appropriate Form CE.

Requested Limits

12. **Requested Limits:** If you wish to have permit limits placed on the spray booth, mark "Yes." Then, check each type of limit that you would like applied to this booth and provide the requested limit. For example, VOC content limits may be in terms of pounds of VOC per gallon of spray material; material usage limits may be in gallons per year, emissions limits may be in tons per 12 month rolling period, etc. Add a new record for each material usage limit you are requesting. If you are not sure about a requested operating limit, contact the Air Quality Bureau at 1-877-AIR-IOWA. Include the following information for each limit:
- **Material:** Provide the materials you are limiting, e.g. paint.
 - **Limit:** the quantitative value of the limit, e.g. 1000.
 - **Units:** indicate the units for the limit in the table, e.g. gallons/year.
 - **VOC, Single HAP, and Total HAP content:** Provide quantitative value of the limit you are requesting for the content of the materials. This should be in percent by weight, percent by weight, or pounds per pound of solids applied.
13. **Rational for Requested Limit:** Provide the rational for the requested limit, or why you are requesting the limit. For example, to limit the potential emissions of the unit.

Control Equipment

14. **Control Equipment ID:** Indicate the control equipment for the spray booth by providing the control equipment (CE) identification (ID) number.

Emission Point List

15. **Emission Point ID:** Indicate the emission point(s) for the spray booth by providing the emission point (EP) identification (ID) number(s).