



FORM EU3: SPRAY PAINT BOOTH INFORMATION

Please see instructions on reverse side.

Company Name: _____

SPRAY PAINT BOOTH (EMISSION UNIT) DESCRIPTION

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

SPRAY GUN DESCRIPTION AND SPECIFICATIONS

7. Manufacturer	8. Model	9. Type	10. Transfer Efficiency %	11. Maximum Rated Capacity

12. **Number of guns to be used simultaneously:** _____

SPRAY MATERIAL DESCRIPTION AND SPECIFICATIONS

13. Type of Material Used	14. Type of Material Coated	15. Solid Content (lb/gal)	16. VOC Content (lb/gal)	17. 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

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

DRY FILTER (CONTROL EQUIPMENT) DESCRIPTION AND SPECIFICATIONS

19. Filter Manufacturer	20. Filter Model	21. Control Equipment (CE) Name and CE ID	22. Rated Control Efficiency %	23. Filter Dimension

OPERATING LIMITS

24. **Are you requesting any limits for this booth?** Yes No If yes, provide the requested limit.
- VOC or HAP Content Limits** _____ **Emission Limits:** _____
- Material Usage Limits:** _____ **Other:** _____
- Rationale for Requested Limit:** _____

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 and CE (if dry filters are used as control).
- An EU3 form needs to be completed for EACH spray paint booth in the application.

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. **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.
2. **Emission Unit Name:** Provide the name of the emission unit, such as "Paint Booth #1".
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 Point (EP) ID:** Called the emission point (EP) 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.
5. **Date of On-Site Installation:** Provide the date when on-site installation of the equipment began or will begin, including the month and year.
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. **Manufacturer:** Specify manufacturer(s) of the spray gun(s) used in your paint booth.
8. **Model:** Specify the model(s) of the spray gun(s). Model information can be obtained from the manufacturer or vendor.
9. **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.
10. **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 of the [DNR guidance on calculating emissions](#).
11. **Maximum Rated Capacity:** The rated capacity is the maximum spray rate of the spray gun(s) and the units of measure used to describe the capacity (e.g. gallons per minute, ounces per minute, etc.).
12. **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):

13. **Type of Material Used:** Specify all the spray (coating) materials used in this paint booth including enamel, lacquer, clean-up solvent, primer, etc.
14. **Type of Material Coated:** Indicate all of the types of materials being coated in this paint booth including metal, wood, plastic, etc.
15. **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.
16. **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.
17. **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.
18. **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.

Dry Filter Description and Specifications:

- Use an additional Form EU3 or provide an attachment labeled "Form EU3-19A" that includes all of the information requested in questions 19-23 if more than one filter is used
- If control equipment **other** than a dry filter system is installed on this spray paint booth, please complete the appropriate Form CE.

19. **Filter Manufacturer:** Provide the name of the filter manufacturer.
20. **Filter Model:** Provide the model of the filter according to manufacturer's literature.
21. **Control Equipment (CE) Name/ CE ID:** Provide both the name and identification of the control equipment. The name describes the equipment, such as Dry Filters, and the ID can be any combination of letters or numbers up to 16 characters in length. The name and ID should match the name and ID for this equipment used on previous construction permit applications and within this application. If also submitting an operating permit application, the name and ID used in this application should be consistent with those used in the operating permit application.
22. **Rated Control Efficiency:** Provide the manufacturers rated control efficiency of the filter for particulate matter. The rated control efficiency can be obtained from the filter manufacturer or vendor.
23. **Filter Dimension:** Provide the dimension of the filter in the total area and total thickness and the total number of filters used in this paint booth. The filter specifications can be obtained from the filter manufacturer or vendor.

Operating Limits:

24. **Operating 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. If you are not sure about a requested operating limit, contact the Linn County Public Health Air Quality Division at (319) 892-6000.