

Instructions for Form B4-6H “EMISSION SOURCES - MISCELLANEOUS SURFACE COATING/AUTOBODY REFINISHING”

Mecklenburg County Air Quality (MCAQ) Form B4-6H contains specific equipment/process-related information on the facility being permitted. One Form B4-H must be completed for all emission sources (prep station, paint booth, and other emission sources) involving miscellaneous spray painting/coating operations when new equipment is to be installed or existing, permitted equipment is to be modified. If two or more emissions sources are identical, then one row may be used to represent all of the units, but each unit must have its own Emission Source ID No. and be indicated on the form. Use as many copies of this form as necessary.

1.0 EMISSION SOURCE

- 1.1 **TYPE OF SOURCE** – Specify the applicable type of source, or if other, then describe in comments section. If you use portable or stationary internal combustion engines/generators on site (this does not include the vehicles being painted/coated), additional rules will apply. Call MCAQ at (704) 336-5430 to verify compliance.
- 1.2 For prep stations or spray booths, the design must be compliant with 40 CFR 63 Subpart HHHHHH (“Subpart 6H”) requirements. Indicate whether the design meets the regulatory requirements. The regulation may be found at: <https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.hhhhhh>.
- 1.3 **DOES THE SOURCE COAT COMPLETE MOTOR VEHICLES** – If a spray booth, please indicate whether the source is used to coat complete motor vehicles.
- 1.4 **EMISSION SOURCE DESCRIPTION** – Describe each emission source for which application is made. Emission source is defined as any stationary machine, process equipment, or combination thereof, from which air pollutants emanate or are emitted, either directly or indirectly. If two or more emissions sources are identical (e.g., spray booths that are the same manufacturer and model #), it may be listed once, but this description should specify the number of individual pieces of equipment included.
- 1.5 **EMISSION SOURCE ID No.** - Enter the emission source ID No. for the emission sources being described on this form. The ID No. will begin with ES- with the choice of the following numbers or letters at the discretion of the applicant. For identical emission sources/equipment grouped together, each unit must have its own ID No.
- 1.6 **MANUFACTURER** - Enter the manufacturer of the emission source.
- 1.7 **MODEL NO.** – Enter the model number of the emission source.
- 1.8 **HIGHEST VOC CONTENT (LBS/GAL)** – List the highest VOC content product that is used at the facility. This can be found on the product SDS sheets and should be listed in lbs/gal. Please include a copy of the relevant SDS sheet as well.
- 1.9 **MAXIMUM RATED CAPACITY OF COATING APPLICATION (GALS/HR)** – Enter the maximum number of gallons the paint booth or coating application can process in an hour.
- 1.10 **MAXIMUM NUMBER OF UNITS THAT CAN BE COATED IN AN HOUR** – Enter the maximum number of units (cars, trucks, parts, etc.) that can be coated in their entirety through this facility’s processes in one hour. (If five years of actual coating/paint usage data are included with the application, this question is not necessary.)
- 1.11 **NUMBER OF GALLONS OF COATING/PAINT USED PER UNIT** – Specify the number of gallons of the coating/paint identified in question 1.7 that are needed to coat one unit (car, truck, part, etc.) in its entirety. (If five years of actual coating/paint usage data are included with the application, this question is not necessary.)
- 1.12 **METHOD OF SPRAY** – Check the type of spray applicator used in the coating operation. The spray guns listed are those permitted by the Subpart 6H regulation. If an equivalent spray gun is listed, it must have EPA approval, and you must supply a copy of the EPA equivalency determination with this form.
- 1.13 If the answer to question 1.12 was “Other Equivalent”, please explain how the facility is verifying compliance with EPA equivalency standards for the spray guns.
- 1.14 **CAPTURE EFFICIENCY** – List the documented capture efficiency of paint overspray for your facility’s filter technology.
- 1.15 **MECL** – Indicate whether your facility uses a paint stripper that contains Methylene Chloride.
- 1.16 **6H PAINTER TRAINING CERTIFICATION** – Indicate whether all painters employed by the facility have completed 6H Painter Training Certification. If they have and the certifications are available, please include copies with the application.

2.0 COMMENTS

This section should be used to describe any entry requiring additional explanation.

Note: Emissions from the coating operations should be calculated and submitted using form D1-6H.

SECTION B

B4-6H

EMISSION SOURCES - MISCELLANEOUS SURFACE COATING/AUTOBODY REFINISHING

1.0 EMISSION SOURCES			
1.1 Type of Source:	<input type="checkbox"/> Spray Booth <input type="checkbox"/> Prep Station <input type="checkbox"/> Solvent Recycler <input type="checkbox"/> Parts Washer <input type="checkbox"/> Paint Stripper <input type="checkbox"/> Other (Describe in comments)		
1.2 If a spray booth or prep station, is the source design compliant with the requirements of 40 CFR 63 subpart HHHHHH?	<input type="checkbox"/> Yes <input type="checkbox"/> No	1.3 Does the source coat complete motor vehicles?	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.4 Emission Source Description:		1.5 Emission Source ID No(s): ES-	
1.6 Manufacturer:		1.7 Model No.:	
1.1 Type of Source:	<input type="checkbox"/> Spray Booth <input type="checkbox"/> Prep Station <input type="checkbox"/> Solvent Recycler <input type="checkbox"/> Parts Washer <input type="checkbox"/> Paint Stripper <input type="checkbox"/> Other (Describe in comments)		
1.2 If a spray booth or prep station, is the source design compliant with the requirements of 40 CFR 63 subpart HHHHHH?	<input type="checkbox"/> Yes <input type="checkbox"/> No	1.3 Does the source coat complete motor vehicles?	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.4 Emission Source Description:		1.5 Emission Source ID No(s): ES-	
1.6 Manufacturer:		1.7 Model No.:	
1.1 Type of Source:	<input type="checkbox"/> Spray Booth <input type="checkbox"/> Prep Station <input type="checkbox"/> Solvent Recycler <input type="checkbox"/> Parts Washer <input type="checkbox"/> Paint Stripper <input type="checkbox"/> Other (Describe in comments)		
1.2 If a spray booth or prep station, is the source design compliant with the requirements of 40 CFR 63 subpart HHHHHH?	<input type="checkbox"/> Yes <input type="checkbox"/> No	1.3 Does the source coat complete motor vehicles?	<input type="checkbox"/> Yes <input type="checkbox"/> No
1.4 Emission Source Description:		1.5 Emission Source ID No(s): ES-	
1.6 Manufacturer:		1.7 Model No.:	
1.8 Highest VOC Content (lbs/gal):	1.9 Maximum Rated Capacity of Coating Application (gals/hr):		
1.10 Maximum Number of Units that can be Coated in an Hour:	1.11 Number of Gallons of Coating/Paint Used per Unit:		
If five years of actual coating/paint usage data are available, this can be submitted instead of answering 1.9 and 1.10.			
1.12 Method of Spray: <input type="checkbox"/> Airless <input type="checkbox"/> HVLP <input type="checkbox"/> Electrostatic <input type="checkbox"/> Air-assisted Airless <input type="checkbox"/> Other Equivalent (Describe in Comments)			
1.13 If using equivalent spray guns, how are you verifying compliance with equivalency standards?			
1.14 What percent capture efficiency do your filters provide:	1.15 Does the facility use a paint stripper that contains MeCl?		<input type="checkbox"/> Yes <input type="checkbox"/> No
1.16 Have all painters completed 6H Painter Training Certification? (Please include copies of certifications if available.)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
2.0 COMMENTS			

Attach Additional Sheets As Necessary