

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Energy and Environment

Application to Construct and Operate Auto Body Spray Painting Equipment

I. Facility and Applicant Information

1. _____
Full Legal Name of Applicant/Organization

2. _____
Informal or "Doing Business As" (dba) Name of Facility/Site

3. _____
Name of Owner(s) or Principal Partner(s) of Above Organization

4. _____
Mailing Address of Applicant (No., Street, City, State, Zip)

5. _____
Street Address of Facility (if different from Mailing Address)

6. _____
Ward Where Facility is Located

7. Owner/Responsible Official Name: _____
Owner/Responsible Official Title: _____
Phone No. _____ E-mail: _____

8. Facility Contact Person: _____
Contact Person Title: _____
Phone No. _____ E-mail: _____

9. Facility Start-Up Date as an Auto Body Paint Shop: _____

10. Facility Start-Up Date Under Current Ownership: _____

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II. Application Type

<p>Check one:</p> <p><input type="checkbox"/> New equipment (equipment installation or construction)</p> <p><input type="checkbox"/> Initial application for existing unit</p> <p><input type="checkbox"/> Change to existing unit (equipment modification or relocation)</p> <p><input type="checkbox"/> Change owner of permitted unit</p> <p><input type="checkbox"/> Renewal of permit for existing unit</p>
<p>Do you have an existing operating permit? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, what is the operating permit number? _____</p>

III. Process Information:

<p>Activities at This Location (check all that apply):</p> <p>Auto Painting</p> <p>Full Body <input type="checkbox"/></p> <p>Miscellaneous Parts <input type="checkbox"/></p> <p>Vehicle Subassemblies <input type="checkbox"/></p> <p>Touch-up <input type="checkbox"/></p> <p>Other Coating <input type="checkbox"/></p> <p>Describe:</p>	<p>Sanding <input type="checkbox"/></p> <p>Priming <input type="checkbox"/></p> <p>Chemical Stripping <input type="checkbox"/></p> <p>If chemical stripping is performed, is methylene chloride a constituent of any of your stripping solvents?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
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IV. Equipment Information:

Paint Spray Booth Design Information:

Paint Spray Booth Type: _____

Make/Model: _____

If you indicated above that you perform full body painting at the facility, is the booth fully enclosed with a full roof, and four complete walls or complete side curtains [20 DCMR 718.7(b)]? Yes No

If you indicated that you do not perform full body painting, but that you do perform miscellaneous parts painting or vehicle subassembly painting, does the booth have a full roof and at least three complete walls or side curtains [20 DCMR 718.7(b)]? Yes No

Is the booth designed to maintain a negative pressure sufficient to ensure that no emissions are exiting the booth anywhere except the exhaust stack [20 DCMR 718.7(c)]? Yes No

Please attach design specifications for the booth to this application.

Emission Control Equipment Information:

What particulate control equipment do you have? Dry Filter Water Curtain

If you have a dry filter, is it rated to achieve at least 98% capture of paint overspray (sometimes referred to as “arrestance”)? Yes No

Filter Efficiency/Arrestance: _____%

Please attach the manufacturer’s specification for the filter documenting the above filter efficiency to this application.

Do you have any other type of emission control device? Examples include carbon filters, carbon beds, and thermal oxidizers. Yes No

If so, describe: _____

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Applicator Information:

Type of Applicator (gun) [20 DCMR §718.11] : HVLP Spray Electrostatic Spray
 Airless Spray Dip Other

If Other, describe: _____

How are spray guns cleaned at the facility (20 DCMR §718.16)? (check all that apply)

- A fully enclosed spray gun cleaning system that is kept closed when not in use;
- An unatomized discharge of cleaning solvent into a paint waste container that is kept closed when not in use;
- Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use;
- Other Method

Describe: _____

Stack Information [20 DCMR §718.19]:

Is the exhaust discharge point at least 15 feet above grade (ground level)? Yes No

Height of discharge point above grade: _____ ft.

Is the exhaust discharge point at least 5 feet above the roof peak? Yes No

Height of discharge point above roof peak: _____ ft.

Is the exhaust discharged vertically upward above the roof peak? Yes No

Is the upward flow of exhaust air unimpeded? Yes No

Note that techniques to prevent snow and ice from entering the exhaust system such as butterfly caps or stack sleeves are acceptable as they do not impede the upward flow of the exhaust gas, however techniques that do impede the air flow such as rain caps are prohibited.

Please describe the stack outlet, its location, and its surroundings. If it is already existing, please attach a photograph of the stack and its surroundings to this application.

If the facility is an existing facility as of February 9, 2016 and does not meet the requirements of 20 DCMR §718.19, please attach plans to comply by August 9, 2016. [20 DCMR §718.20]

V. Materials Information (Coatings and Cleaning Solvents)

Coatings Information [See 20 DCMR §718.3]:

After February 9, 2016, only automotive coatings meeting the requirements of 20 DCMR §718.3 may be purchased and used at the auto body spray painting facility. For the details of these requirements, please see Section 1 of the reference guide attached to this application form.

Coatings that do not meet these requirements, but that do meet previous regulatory requirements may be used through May 9, 2016, but must then be promptly removed from the facility.

Please attach copies of product data sheets or other data sheets for all automotive coatings currently in use at the facility or currently planned for subsequent use at the facility documenting:

- 1) The Coating Category as listed in Table 1 of the Reference Guide attached to this application; and
- 2) The VOC content of the coating documenting compliance with the applicable “VOC Regulatory Limits As Applied” listed in Table 1 of the attached Reference Guide.

If the data sheets do not indicate that the coatings meet the current standards, but the materials will be used or removed from the site by May 9, 2016, please note that on the data sheet.

Applicant Certification: With my signature on the line below, I hereby certify that I am aware of the requirements of 20 DCMR § 718.3, and except as allowed by 20 DCMR § 718.5, the facility covered by this application is currently in compliance with those requirements, or, in the case of a new facility, will be upon completion of construction. If coatings not complying with 20 DCMR § 718.3 remain at the site, I hereby certify that they will be used or removed from the site no later than May 9, 2016.

Owner/Responsible Official Signature

Date

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Cleaning Solvents Information [See 20 DCMR §718.4]:

After February 9, 2016, only cleaning solvents meeting the requirements of 20 DCMR §718.4 may be purchased and used at the auto body spray painting facility. For the details of these requirements, please see Section 2 of the reference guide attached to this application form.

Cleaning solvents that do not meet these requirements, but that do meet previous regulatory requirements may be used through May 9, 2016, but must then be promptly removed from the facility.

Please attach copies of product data sheets or other data sheets for all cleaning solvents currently in use at the facility or currently planned for subsequent use at the facility documenting:

- 1) The use category (i.e. standard cleaning solvent or one of the exceptions listed in Section 2 of the Reference Guide attached to this application); and
- 2) The VOC content of the cleaning solvent documenting compliance with the applicable VOC content limits listed in Section 2 of the attached Reference Guide.

If the data sheets do not indicate that the cleaning solvents meet the current standards, but the materials will be used or removed from the site by May 9, 2016, please note that on the data sheet.

Applicant Certification: With my signature on the line below, I hereby certify that I am aware of the requirements of 20 DCMR § 718.4, and except as allowed by 20 DCMR § 718.5, the facility covered by this application is currently in compliance with those requirements, or, in the case of a new facility, will be upon completion of construction. If cleaning solvents not complying with 20 DCMR § 718.4 remain at the site, I hereby certify that they will be used or removed from the site no later than May 9, 2016.

Owner/Responsible Official Signature

Date

Reference Guide for Application to Construct and Operate Auto Body Spray Painting Equipment

Section 1: Automotive Coating Requirements of 20 DCMR §718.3 (Effective February 9, 2016)¹

A person may not supply, sell, offer for sale, distribute, manufacture, blend, or repackage for sale an automotive coating or associated cleaning solvent for use in the District, nor may a person use or apply to a motor vehicle, mobile equipment, or associated parts and components, an automotive coating with a VOC regulatory content calculated in accordance with 20 DCMR §718.6(a) that does not meet the VOC content requirements of Table I.

Table I. Allowable VOC Content in Automotive Coatings for Motor Vehicle and Mobile Equipment Non-Assembly Line Refinishing and Recoating

Coating Category	VOC Regulatory Limit As Applied*	
	(Pounds per gallon)	(Grams per liter)
Adhesion promoter	4.5	540
Automotive pretreatment coating	5.5	660
Automotive primer	2.1	250
Clear coating	2.1	250
Color coating, including metallic/iridescent color coating	3.5	420
Multicolor coating	5.7	680
Other automotive coating type	2.1	250
Single-stage coating, including single-stage metallic/iridescent coating	2.8	340
Temporary protective coating	0.50	60
Truck bed liner coating	1.7	200
Underbody coating	3.6	430
Uniform finish coating	4.5	540

*VOC regulatory limit as applied = Weight of VOC per Volume of Coating (prepared to manufacturer's recommended maximum VOC content, minus water and non-VOC solvents)

Section 2: Summarized Cleaning Solvent Requirements of 20 DCMR §718.4 (Effective February 9, 2016)¹

The VOC content of each cleaning solvent present at an automotive refinishing facility or non-assembly line automotive coating operation shall not exceed a VOC content of 25 grams per liter (0.21 pounds per gallon) with the following exceptions:

- 1) Cleaning solvent used as bug and tar remover that does not exceed 350 grams per liter (2.9 pounds per gallon) VOC (limited quantities allowed – see the full regulation for details)

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- 2) Cleaning solvents used to clean plastic parts just prior to coating or VOC-containing materials for the removal of wax and grease provided that non-aerosol, hand-held spray bottles are used with a maximum cleaning solvent VOC content of 780 grams per liter and the total volume of the cleaning solvent does not exceed 20 gallons per consecutive 12-month period per automotive refinishing facility;
- 3) Aerosol cleaning solvents if 160 ounces or less are used per day per automotive refinishing facility; or
- 4) Cleaning solvent with a VOC content no greater than 350 grams per liter may be used at a volume equal to 2.5% of the preceding calendar year's annual coating usage up to a maximum of 15 gallons per calendar year of cleaning solvent.

¹Note that automotive coatings and cleaning solvents that were purchased before February 9, 2016 that met previously existing regulatory standards may be used through May 9, 2016, but must be removed from the facility by that date. See 20 DCMR §§ 718.5 and 718.9.