



Northwest Clean Air Agency
General Order of Approval GO 002
Automotive Refinishing Facilities with a Spray Booth

Effective July 14, 2015

Except as noted below, this General Order is applicable to any source applying for coverage within the jurisdiction of the Northwest Clean Air Agency (Island, Skagit, and Whatcom Counties, excluding tribal lands).

Pursuant to the state of Washington Clean Air Act Chapter 70.94 Revised Code of Washington (RCW) and the Northwest Clean Air Agency (NWCAA) Regulation, the NWCAA finds:

FINDINGS

1. Any automotive refinishing facility that includes a new or modified paint spray booth and its associated preparation station proposing to operate within the jurisdiction of the NWCAA may apply for coverage under this General Order. This Order and the NWCAA letter granting coverage is applicable to a single spray booth at an automotive refinishing facility. Subsequent applications for coverage for additional spray booths at the same facility may be granted if the application is submitted more than 18 months apart, and are not part of the same capital project.
2. An automotive refinishing facility may not obtain coverage under this Order if it is part of a source subject to Section 322 of the NWCAA Regulation (Air Operating Permit Program), before or after the project has been constructed.
3. An automotive refinishing facility may not obtain coverage under this Order for a spray booth that is heated with the intent of increasing the drying rate of applied coatings.
4. A project proponent may apply for coverage under this General Order by submitting a complete application for coverage. The application is available on the NWCAA website at www.nwcleanairwa.gov Gasoline dispensing station, or from the NWCAA office located at 1600 South Second Street, Mount Vernon, WA 98273. Please call the office at (360) 428-1617 for assistance obtaining or completing the application for coverage.
5. A proposed automotive refinishing facility, constructed and operated in accordance with the application for coverage, this General Order, and the associated technical support document, will meet the requirements for best available control technology (BACT) for both criteria and toxic air pollutants.
6. Coverage under this General Order is effective thirty (30) days after receipt of a complete application for coverage by the NWCAA. Within 30 days of submittal, the NWCAA will either deem the application complete and issue a letter granting coverage, deem the application incomplete and notify the applicant of the information needed to make the application complete, or determines that the General Order does not apply to the proposed project. The agency will notify the applicant in writing of the reason that the General Order does not apply.

7. This General Order and the basis for its determination will be reviewed at least once every five years following issuance. If changes are required, the General Order will be revised and an updated General Order issued. Facilities that have been granted coverage under this General Order remain covered by this Order, and are not covered by any subsequent versions of the Order issued after the date that the facility was originally granted coverage.

Note that in addition to other applicable rules and regulations, the spray booth and its associated preparation station are subject to applicable portions of the following federal regulations:

National Emission Standards for Hazardous Air Pollutants (NESHAP)/Maximum Achievable Control Technology Standards (MACT)

- 40 CFR 63 Subpart A – General Provisions
- 40 CFR 63 Subpart HHHHHH - National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources

THEREFORE, IT IS ORDERED that a spray booth and associated preparation station at an automotive refinishing facility constructed and operated in accordance with the Application for Coverage, this General Order and the associated Technical Support Document dated July 14, 2015, is hereby approved subject to the following restrictions and conditions¹.

APPROVAL CONDITIONS

- (1) Spray coating operations must be conducted in an enclosure that is comprised of at least 3 sides and a ceiling that captures and exhausts all overspray through spray booth exhaust filters installed and operated in accordance with the conditions of this Order.
- (2) Each enclosure in which spray coating takes place must be equipped with an unobstructed stack that exhausts vertically and discharges at least 6 feet above the highest point on the roof.
- (3) Spray coating operations must be conducted using high volume-low pressure (HVLP), electrostatic, or equivalent transfer efficiency spray guns.
- (4) Coatings and solvents used must not contain cadmium, lead, hexavalent chromium (chromates) or manganese.

A copy of the material safety data sheet (MSDS)¹ for each coating and solvent used in the spray booth or associated preparation station shall be maintained to demonstrate compliance with this condition.

- (5) The total quantity of coatings and solvents used in the spray booth and associated preparation station must not exceed 490 gallons in any consecutive 12-month period.

¹ Also referred to as safety data sheet (SDS), or product safety data sheet (PSDS)

Maintain a record of the total quantity of coatings and solvents used in the spray booth on a calendar month, and on a consecutive 12-month rolling basis.

The owner/operator must submit a written notice to the NWCAA within 30 days of exceeding the 490 gallon limit established in this condition.

- (6) Each enclosure in which spray coating takes place must be equipped with exhaust filters that have a capture efficiency of 98% or greater, as demonstrated by ASHRAE Method 52.1 - Gravimetric and Dust Spot Procedures for Testing Air Cleaning Devices Used in General Ventilation for Removing Particulate Matter.

Filter purchase records must be kept that indicate compliance with this condition.

- (7) Each enclosure in which spray coating takes place must be equipped with a gauge (manometer or magnehelic) to measure the pressure drop across the exhaust filters. Within 30 days after initial start of the spray booth, the acceptable pressure drop range shall be clearly marked on or near the gauge. The minimum pressure drop shall not be less than the pressure drop measured with clean, properly installed filters.

- (8) At the start of each operating day, each enclosure in which spray coating takes place must be inspected for the following items, and in the following order.

(A) The exhaust filters are properly seated and completely cover the exhaust plenum with no visible gaps.

(B) The pressure drop gauge is working properly.

(C) The pressure drop across the exhaust filters is within the acceptable range.

The results of each inspection required by this condition must be maintained in a written log. The log shall be updated immediately after completing each inspection and prior to starting spray coating operations. If any problems listed in this condition are identified, discontinue spray coating operations until action has been completed to correct the problem. The written log shall include a description of each corrective action taken. Each log entry shall include the time and date, and initials of the person making the entry.

- (9) Spray guns must be cleaned in an enclosed cleaning device, or disassembled and cleaned in a container. Each gun cleaning device and container must be kept closed when not in use. Guns and spray equipment must not atomized solvent into the air.
- (10) Organic solvents used for cleanup of equipment as well as solvent soaked materials such as rags must be collected immediately after use and kept in closed containers.
- (11) Records required by this General Order must be kept on-site for at least 3 years from the date of generation and shall be readily available for review by the NWCAA.
- (12) The owner/operator shall provide written notification to the NWCAA within 15 days of the startup date of the spray booth covered under this General Order.


APPROVED BY:



Daniel A. Mahar, P.E.
Environmental Engineer
Northwest Clean Air Agency

7-14-15

Date



Agata McIntyre, P.E.
Engineering Manager
Northwest Clean Air Agency

7-14-15

Date

Nothing in this permit is intended to, or shall, alter or waive any applicable law [including but not limited to defenses, entitlements, challenges or clarifications related to the Credible Evidence Rule, 62 FR 8315 (Feb. 27, 1997)] concerning the use of data for any purpose under the Act, generated by the reference method specified herein or otherwise.

Pursuant to Section 300.10 of the NWCAA Regulation and ch 43.21B RCW, this Order may be appealed to the Pollution Control Hearings Board (PCHB). To appeal to the PCHB, a written notice of appeal must be filed with the PCHB and a copy served upon the NWCAA within 30 days of the date the applicant receives this Order. Additional information regarding appeal procedures can be found at: www.eho.wa.gov under PCHB.