

Model General Permit (MGP) Qualifying Criteria Document

Source Description: Misc. Metal Parts and Products Coating Line Subject to OAC rule 3745-21-09(U)(1) and uncontrolled or restricted VOC emissions <10 TPY

MGP Numbers: GP 3.10 (non-Title V PTIO) and (Title V PTI)

Qualifying Criteria:

Answer the following questions by checking the appropriate box for the choice that describes the equipment for which you are applying for a permit.

- Yes No 1. Will the [coating line](#) be installed on or after February 20, 2013?
- Yes No 2. Will only [miscellaneous metal parts or products](#) be coated in this coating line (excluding coating of marine vessel and airplane exteriors, refinishing used motor vehicles and trailers, and customized topcoat or single coat to less than 35 motor vehicles per day or any metal parts subject to [OAC rule 3745-21-09\(C\), \(D\), \(E\), \(I\), \(J\), \(K\), \(S\), \(FF\) or \(OO\)](#))?
- Yes No N/A 3. Will this coating line operate within an enclosure equipped with a dry filtration system to control particulate emission? If only non-atomized coating application equipment is used, check N/A.
- Yes No N/A 4. If a drying oven will be used, will the drying temperature be equal to or less than 200 degrees F?
- Yes No N/A 5. If a drying oven will be used, will the combined heat input of all of the dryer burners be less than 10 million BTU/hour?
- Yes No N/A 6. If a drying oven will be used, will it be electric, ultraviolet or fired with only natural gas?
- Yes No 7. Will the coating line be able to meet the following emission rate for [volatile organic compounds](#) (VOCs) from coating and cleaning material usage: 0.83 tons per month averaged over a rolling, twelve-month period? [Guidance for calculating VOC emissions is available on the model general permit web site at <http://epa.ohio.gov/dapc/genpermit/miscmetal.aspx>]
- Yes No 8. Is the owner or operator willing to operate the coating line such that no coating exceeds the following VOC contents, or such that the daily volume-weighted average VOC content of coatings used never exceeds the following?
- 4.3 pounds of VOC per gallon of coating, [excluding water](#) and [exempt solvents](#), for a [clear coating](#);
- 4.0 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a [zinc rich primer coating](#);

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3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for an [extreme performance coating](#);
3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any coating that is dried at temperatures not exceeding two hundred degrees Fahrenheit;
4.3 pounds of VOC per gallon of coating, excluding water and exempt solvents, for the interior coating of a [steel pail or drum](#);
3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for the exterior coating of a steel pail or drum;
4.9 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a glass adhesion body primer coating used for the installation of any glass windows during the assembly of automobiles and trucks;
6.2 pounds of VOC per gallon of coating, excluding water and exempt solvents, for a [high performance architectural aluminum coating](#); or
3.0 pounds of VOC per gallon of coating, excluding water and exempt solvents, for any coating that is not regulated under any of the eight categories listed above.

Yes No

9. Will all exhaust stacks associated with this coating line be vented vertically and will they be unobstructed?

Yes No

10. Will the exhaust stacks associated with the coating line meet **ONE** of the following scenarios:

- a. 12 ft. or greater stack height, 18 in. or less stack diameter, and 3,500 ACFM or greater fan size;
- b. 12 ft. or greater stack height, 24 in. or less stack diameter, and 5,000 ACFM or greater fan size;
- c. 17 ft. or greater stack height, 24 in. or less stack diameter, and 7,000 ACFM or greater fan size;
- d. 22 ft. or greater stack height, 30 in. or less stack diameter; and 10,000 ACFM or greater fan size;
- e. 22 ft. or greater stack height, 30 in. or less stack diameter, and 12,500 ACFM or greater fan size?

To calculate an equivalent diameter for square or rectangular stacks, see end note of Appendix A.

Yes No

11. Will the coating line be able to meet the applicable maximum hourly emission rate in Appendix A for each toxic air contaminant emitted at greater than one ton per year? [Guidance for calculating emissions of toxic air contaminants is available on the model general permit web site at <http://epa.ohio.gov/dapc/genpermit/miscmetal.aspx>].

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- Yes No N/A
12. If the coating line will be located in Ashtabula, Cuyahoga, Geauga, Lake, Lorain, Medina, Portage or Summit counties, will it emit more than 2.7 tons of VOC per rolling, 12-month period? [Guidance for calculating VOC emissions is available on the model general permit web site at <http://epa.ohio.gov/dapc/genpermit/miscmetal.aspx>]. If the coating line is not located in one of these counties, check N/A.
- Yes No
13. Will add-on control equipment (thermal oxidizer, carbon adsorption system but *excluding* dry particulate filters) be used to control VOC emissions?
- Yes No
14. Does a New Source Performance Standard (NSPS) or a major source Maximum Achievable Control Technology (MACT) standard apply to this coating line (see <http://ecfr.gpoaccess.gov>)? Do not check "yes" if this coating line is only subject to an area source MACT such as [40 CFR Part 63, Subpart HHHHHH](#) or [40 CFR Part 63, Subpart XXXXXX](#).
- Yes No
15. Will the coating line(s) for which this general permit is being sought be part of a new major stationary source or a major modification (see [OAC rule 3745-31-01](#))? If you are unsure, check with the appropriate [Ohio EPA district office or local air agency](#).

If the answer to questions 1 through 11 is Yes or N/A, and the answer to 12 through 15 is No or N/A, then the coating line meets the above "Qualifying Criteria". Otherwise, the coating line is not eligible for a general permit and will instead need a standard, or traditional, permit.

By signing below, the owner or operator's signature shall constitute personal affirmation that the applicant meets the qualifying criteria contained above, and shall subject the signatory to liability under applicable state laws forbidding false or misleading statements.

Authorized signature (for the facility)

Date

Title