

Model General Permit (MGP) Qualifying Criteria Document

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

MGP Numbers: GP 3.11 (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 emissions? 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 combined heat input of all of the dryer burners be less than 10 million BTU/hr?
- Yes No N/A 5. If a drying oven will be used, will it be electric, ultraviolet or fired with only natural gas?
- Yes No 6. 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 7. Is the owner or operator willing to restrict the use of coatings in this coating line or facility-wide to the following maximum daily application rates to avoid the requirement to comply with the coating VOC content restrictions in [OAC rule 3745-21-09\(U\)\(1\)](#)?
- a. If this emissions unit is operated in Ashtabula, Butler, Clermont, Cuyahoga, Geauga, Hamilton, Lake, Lorain, Medina, Portage, Summit, and Warren counties, 3 gallons per day;
 - b. If this emissions unit is operated in Clark, Greene, Miami, and Montgomery counties, 8 gallons per day;

Model General Permit (MGP) Qualifying Criteria Document

- c. If this emissions unit is located in any other county, 10 gallons per day; or
- d. If the permittee is claiming the exemption in OAC rule [3745-21-09\(U\)\(2\)\(h\)](#), VOC emissions from all miscellaneous metal parts or products coating lines at the facility shall not exceed 15 pounds per day.

Yes No

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

Yes No

9. 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

10. 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>].

Yes No N/A

11. 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

12. Will add-on control equipment (thermal oxidizer, carbon adsorption system but *excluding* dry particulate filters) be used to control VOC emissions?

Yes No

13. Does a New Source Performance Standard (NSPS) or a major source Maximum Achievable Control Technology (MACT) standard apply to this coating line (see

Model General Permit (MGP) Qualifying Criteria Document

<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

14. Will the air contaminant source(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 10 is Yes or N/A, and the answer to 11 through 14 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