

**3745-21-26 Surface coating of miscellaneous metal and plastic parts.**

(A) Applicability.

- (1) Except as provided in paragraph (A)(3) of this rule, paragraphs (B) to (I) of this rule shall apply to each miscellaneous metal or plastic parts coating line that meets the following:
  - (a) The total actual VOC emissions from all miscellaneous metal or plastic parts coating operations, including related cleaning operations, are equal to or greater than 2.7 tons per rolling twelve-month period, before the application of control systems and devices.
  - (b) The facility is located in Ashtabula, Cuyahoga, Geauga, Lake, Lorain, Medina, Portage, or Summit county.
- (2) Miscellaneous metal and plastic parts include, but are not limited to, metal and plastic components of the following types of products as well as the products themselves:
  - (a) Large and small farm machinery.
  - (b) Small household appliances.
  - (c) Office equipment.
  - (d) Commercial and industrial machinery and equipment.
  - (e) Fabricated metal products.
  - (f) Molded plastic parts.
  - (g) Automotive or transportation equipment.
  - (h) Interior or exterior automotive parts.
  - (i) Construction equipment.
  - (j) Motor vehicle accessories.
  - (k) Bicycles and sporting goods.
  - (l) Toys.
  - (m) Recreational vehicles.
  - (n) Pleasure craft (recreational boats).
  - (o) Extruded aluminum structural components.
  - (p) Railroad cars.
  - (q) Heavier vehicles, except as provided in paragraph (A)(3)(a)(iv) of this rule.

- (r) Lawn and garden equipment.
  - (s) Business machines.
  - (t) Laboratory and medical equipment.
  - (u) Electronic equipment.
  - (v) Steel drums.
  - (w) Metal pipes.
- (3) Exemptions.
- (a) Paragraphs (B) to (I) of this rule shall not apply to the following:
    - (i) The surface coating of any metal or plastic parts or products for which the owner or operator is both subject to and required to comply with any of the following:
      - (a) Rule 3745-21-20 of the Administrative Code for shipbuilding and repair.
      - (b) Rule 3745-21-19 of the Administrative Code for aerospace.
      - (c) Rule 3745-21-15 of the Administrative Code for wood furniture.
      - (d) Paragraph (I) of rule 3745-21-09 of the Administrative Code for metal furniture.
      - (e) Paragraph (K) of rule 3745-21-09 of the Administrative Code for large appliances.
      - (f) Paragraph (C) of rule 3745-21-09 of the Administrative Code or rule 3745-21-29 of the Administrative Code for automobile and light-duty truck assembly.
      - (g) Rule 3745-21-24 of the Administrative Code for flatwood paneling.
      - (h) Rule 3745-21-28 of the Administrative Code for miscellaneous industrial adhesives and sealants.
      - (i) Rule 3745-21-27 of the Administrative Code for fiberglass boat manufacturing.
      - (j) Paragraph (F) of rule 3745-21-09 of the Administrative Code for paper, film, and foil.
      - (k) Paragraph (D) of rule 3745-21-09 of the Administrative Code for can coatings.
      - (l) Paragraph (E) of rule 3745-21-09 of the Administrative Code for coil coatings.

- (m) Paragraph (J) of rule 3745-21-09 of the Administrative Code for magnet wire coatings.
- (n) Paragraph (G) of rule 3745-21-09 of the Administrative Code for fabric coating.
- (o) Paragraph (H) of rule 3745-21-09 of the Administrative Code for vinyl coating.
- (ii) Architectural coatings and automobile refinish coatings are not regulated under this rule to the extent the coatings are used for architectural coating or automobile refinish coating purposes as defined in Chapter 3745-113 of the Administrative Code and rule 3745-21-18 of the Administrative Code, respectively.
- (iii) Aerosol coatings and powder coatings.
- (iv) The coating of bodies or body parts for new heavier vehicles where the owner or operator elects to comply with rule 3745-21-29 of the Administrative Code.
- (b) Metal parts coatings and coating operations subject to paragraph (S) of rule 3745-21-09 of the Administrative Code are exempt from paragraph (C) of this rule.
- (c) The following metal parts coatings and coating operations are exempt from paragraphs (C) and (D) of this rule:
  - (i) Stencil coatings.
  - (ii) Safety-indicating coatings.
  - (iii) Solid film lubricants.
  - (iv) Electric-insulating and thermal-conducting coatings.
  - (v) Magnetic data storage disk coatings.
  - (vi) Plastic extruded onto metal parts to form a coating.
- (d) The following plastic parts coatings and coating operations are exempt from paragraph (C) of this rule:
  - (i) Touch-up and repair coatings.
  - (ii) Stencil coatings applied on clear or transparent substrates.
  - (iii) Clear or translucent coatings.
  - (iv) Coatings applied at a paint manufacturing facility while conducting performance tests on the coatings.

- (v) Any individual coating category under paragraph (C) of this rule used in volumes less than fifty gallons in any one calendar year, if substitute compliant coatings are not available, provided that the total usage of all such coatings does not exceed two hundred gallons per calendar year, per facility.
  - (vi) Reflective coating applied to highway cones.
  - (vii) Mask coatings that are less than 0.5 millimeter thick (dried) and the area coated is less than twenty-five square inches.
  - (viii) Electromagnetic interference/radio frequency interference (EMI/RFI) shielding coatings.
  - (ix) Heparin-benzalkonium chloride (HBAC) containing coatings applied to medical devices, provided that the total usage of all such coatings does not exceed one hundred gallons per calendar year, per plastic parts coating operation.
- (e) For automotive or transportation and business machine plastic part coating, the following types of coatings and operations are exempt from paragraph (C) of this rule:
- (i) Texture coatings.
  - (ii) Vacuum metallizing coatings.
  - (iii) Gloss reducers.
  - (iv) Texture topcoats.
  - (v) Adhesion primers.
  - (vi) Electrostatic preparation coatings.
  - (vii) Resist coatings.
  - (viii) Stencil coatings.
- (f) Metal parts coating operations are exempt from paragraph (C) of this rule where the following occurs:
- (i) The coating line never uses more than three gallons per day. The daily usage applicability level shall not apply to coatings employed by the coating line on parts or products which are not metal.
  - (ii) The coating operation is a new source, as defined by rule 3745-31-01 of the Administrative Code and meets the following:
    - (a) The construction or modification of the coating operation commenced on or after March 27, 1981.

(b) The director has determined that the otherwise applicable emission limitation in paragraph (C) of this rule is technically or economically infeasible and has established an alternative reasonably available control technology emission limitation. The alternative limitation shall be the lowest emission limitation that the coating operation is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility. The alternative limitation shall be an emissions rate (e.g., pounds VOC per gallon) or overall per cent reduction but shall not be in terms of mass per time (e.g., pounds per hour).

(c) A final installation permit has been issued for the coating operation pursuant to Chapter 3745-31 of the Administrative Code. The installation permit shall contain terms and conditions that specify the control requirement or emission limitation that is the basis for the director's alternative limitation determination for the coating line, as described in paragraph (A)(3)(f)(ii)(b) of this rule.

(d) USEPA has approved the alternative limitation as a revision to the Ohio state implementation plan.

(g) The application method requirements in paragraph (D) of this rule do not apply to the following:

(i) For metal parts coatings; touch-up coatings, repair coatings, and textured finishes.

(ii) For plastic parts coatings; airbrush operations using five gallons or less per year of coating.

(iii) For pleasure craft surface coating operations; extreme high gloss coatings.

(B) The definitions applicable to this rule are contained in paragraphs (B) and (D) of rule 3745-21-01 of the Administrative Code.

(C) VOC emission limitations.

The owner or operator of a coating line engaged in the surface coating of miscellaneous metal or plastic parts shall limit VOC emissions from all VOC-containing materials (i.e., coatings, thinners, and any other additives) used by each miscellaneous metal and plastic part surface coating line by complying with one of the following three options. Motor vehicle materials listed in table 5 of this rule may not use option two.

If more than one emission limitation in paragraph (C) of this rule applies to a specific coating, then the least stringent emission limitation may be applied.

If a coating does not meet a specific coating category definition, then it can be assumed to be a general use coating and the VOC limit for "general" coating or "other" coating shall apply.

- (1) Option one. VOC content limitations based on low-VOC coatings as follows in tables 1 to 5 of this rule and the use of application methods specified in paragraph (D) of this rule.

Table 1. - Metal parts and products maximum VOC content limitations (mass of VOC per volume of coating (excluding water and exempt compounds, as applied)).

| Coating Category                            | Air Dried, Pound VOC per Gallon Coating | Baked, Pound VOC per Gallon Coating |
|---|---|-------------------------------------|
| General One-Component                       | 2.8                                     | 2.3                                 |
| General Multi-Component                     | 2.8                                     | 2.3                                 |
| Camouflage                                  | 3.5                                     | 3.5                                 |
| Electric-Insulating Varnish                 | 3.5                                     | 3.5                                 |
| Etching Filler                              | 3.5                                     | 3.5                                 |
| Extreme High-Gloss                          | 3.5                                     | 3.0                                 |
| Extreme Performance                         | 3.5                                     | 3.0                                 |
| Heat-Resistant                              | 3.5                                     | 3.0                                 |
| High-Performance Architectural              | 6.2                                     | 6.2                                 |
| High-Temperature                            | 3.5                                     | 3.5                                 |
| Metallic                                    | 3.5                                     | 3.5                                 |
| Military Specification                      | 2.8                                     | 2.3                                 |
| Mold-Seal                                   | 3.5                                     | 3.5                                 |
| Pan Backing                                 | 3.5                                     | 3.5                                 |
| Prefabricated Architectural Multi-Component | 3.5                                     | 2.3                                 |
| Prefabricated Architectural One-Component   | 3.5                                     | 2.3                                 |
| Pretreatment                                | 3.5                                     | 3.5                                 |
| Repair and Touch-Up                         | 3.5                                     | 3.0                                 |
| Silicone Release                            | 3.5                                     | 3.5                                 |
| Solar-Absorbent                             | 3.5                                     | 3.0                                 |
| Vacuum Metallizing                          | 3.5                                     | 3.5                                 |
| Drum, New, Exterior                         | 2.8                                     | 2.8                                 |
| Drum, New, Interior                         | 3.5                                     | 3.5                                 |
| Drum, Reconditioned, Exterior               | 3.5                                     | 3.5                                 |
| Drum, Reconditioned, Interior               | 4.2                                     | 4.2                                 |

Table 2 - Plastic parts and products maximum VOC content limitations (mass of VOC per volume of coating (excluding water and exempt compounds, as applied))

| Coating Category | Pound VOC per Gallon Coating |
|------------------|------------------------------|
|------------------|------------------------------|

Table 2 - Plastic parts and products maximum VOC content limitations (mass of VOC per volume of coating (excluding water and exempt compounds, as applied))

|                                     |                            |
|-------------------------------------|----------------------------|
| General One-Component               | 2.3                        |
| General Multi-Component             | 3.5                        |
| Electric-Dissipating and Shock-Free | 6.7                        |
| Extreme Performance                 | 3.5 (2-pack coatings)      |
| Metallic                            | 3.5                        |
| Military Specification              | 2.8 (1-pack), 3.5 (2-pack) |
| Mold-Seal                           | 6.3                        |
| Multi-Colored                       | 5.7                        |
| Optical                             | 6.7                        |
| Vacuum Metallizing                  | 6.7                        |

Table 3 - Automotive/transportation and business machine plastic parts maximum VOC content limitations (mass of VOC per volume of coating (excluding water and exempt compounds, as applied))

| Coating Category                        | Pound VOC per Gallon Coating |
|---|------------------------------|
| --Automotive/Transportation Coatings*-- |                              |
|   |                              |
| High-Bake - Interior and Exterior Parts |                              |
|   |                              |
| Flexible Primer                         | 4.5                          |
| Non-Flexible Primer                     | 3.5                          |
| Basecoat                                | 4.3                          |
| Clearcoat                               | 4.0                          |
| Non-Basecoat/Clearcoat                  | 4.3                          |
|   |                              |
| Low-Bake/Air Dried - Exterior Parts     |                              |
|   |                              |
| Primer                                  | 4.8                          |
| Basecoat                                | 5.0                          |
| Clearcoat                               | 4.5                          |
| Non-Basecoat/Clearcoat                  | 5.0                          |
|   |                              |
| Low-Bake/Air Dried - Interior Parts     | 5.0                          |
|   |                              |
| Touch-Up and Repair                     | 5.2                          |
|   |                              |
| --Business Machine Coatings--           |                              |
|   |                              |
| Primers                                 | 2.9                          |

Table 3 - Automotive/transportation and business machine plastic parts maximum VOC content limitations (mass of VOC per volume of coating (excluding water and exempt compounds, as applied))

|                     |     |
|---------------------|-----|
| Topcoat             | 2.9 |
| Texture Coat        | 2.9 |
| Fog Coat            | 2.2 |
| Touch-Up and Repair | 2.9 |

\* For red, yellow, and black automotive coatings, except touch-up and repair coatings, the recommended limitation is determined by multiplying the appropriate limitation in table 3 of this rule by 1.15.

Table 4 - Pleasure craft surface coating maximum VOC content limitations (mass of VOC per volume of coating (excluding water and exempt compounds, as applied))

| Coating Category   | Pound VOC per Gallon Coating |
|--|------------------------------|
| Extreme High-Gloss Topcoat                                     | 5.0                          |
| High-Gloss Topcoat   | 3.5                          |
| Pretreatment Wash Primer                                       | 6.5                          |
| Finish Primer/Surfacer   | 3.5                          |
| High-Build Primer/Surfacer                                     | 2.8                          |
| Antifouling Sealer/Tie Coat                                    | 3.5                          |
| Aluminum Substrate Antifoulant                                 | 4.7                          |
| Other Substrate Antifoulant                                    | 3.3                          |
| All Other Pleasure Craft Surface Coatings for Metal or Plastic | 3.5                          |

Table 5 - Motor vehicle materials maximum VOC content limitations (mass of VOC per volume of coating (excluding water and exempt compounds, as applied))

| Coating Category                             | Pound VOC per Gallon Coating |
|--|------------------------------|
| Motor Vehicle Cavity Wax                     | 5.4                          |
| Motor Vehicle Sealer                         | 5.4                          |
| Motor Vehicle Deadener                       | 5.4                          |
| Motor Vehicle Gasket/Gasket Sealing Material | 1.7                          |
| Motor Vehicle Underbody                      | 5.4                          |
| Motor Vehicle Trunk Interior                 | 5.4                          |
| Motor Vehicle Bedliner                       | 1.7                          |
| Motor Vehicle Lubricating Wax/Compound       | 5.8                          |

(2) Option two. VOC content limitations based on low-VOC coatings as follows in tables 6 to 9 of this rule, the use of add-on air pollution control equipment to meet the VOC content limitations, and the use of application methods specified in paragraph

(D) of this rule. Such add-on air pollution control equipment shall meet paragraph (F) of this rule.

Table 6 - Metal parts and products maximum VOC emission rate limitations (mass of VOC per volume solids, as applied)

| Coating Category                            | Air Dried, Pound VOC per Gallon Solids | Baked, Pounds VOC per Gallon Solids |
|---|--|-------------------------------------|
| General One-Component                       | 4.5                                    | 3.4                                 |
| General Multi-Component                     | 4.5                                    | 3.4                                 |
| Camouflage                                  | 6.7                                    | 6.7                                 |
| Electric-Insulating Varnish                 | 6.7                                    | 6.7                                 |
| Etching Filler                              | 6.7                                    | 6.7                                 |
| Extreme High-Gloss                          | 6.7                                    | 5.1                                 |
| Extreme Performance                         | 6.7                                    | 5.1                                 |
| Heat-Resistant                              | 6.7                                    | 5.1                                 |
| High-Performance Architectural              | 38.0                                   | 38.0                                |
| High-Temperature                            | 6.7                                    | 6.7                                 |
| Metallic                                    | 6.7                                    | 6.7                                 |
| Military Specification                      | 4.5                                    | 3.4                                 |
| Mold-Seal                                   | 6.7                                    | 6.7                                 |
| Pan Backing                                 | 6.7                                    | 6.7                                 |
| Prefabricated Architectural Multi-Component | 6.7                                    | 3.4                                 |
| Prefabricated Architectural One-Component   | 6.7                                    | 3.4                                 |
| Pretreatment                                | 6.7                                    | 6.7                                 |
| Silicone Release                            | 6.7                                    | 6.7                                 |
| Solar-Absorbent                             | 6.7                                    | 5.1                                 |
| Vacuum Metallizing                          | 6.7                                    | 6.7                                 |
| Drum, New, Exterior                         | 4.5                                    | 4.5                                 |
| Drum, New, Interior                         | 6.7                                    | 6.7                                 |
| Drum, Reconditioned, Exterior               | 6.7                                    | 6.7                                 |
| Drum, Reconditioned, Interior               | 9.8                                    | 9.8                                 |

Table 7 - Plastic parts and products maximum VOC emission rate limitations (VOC per volume solids)

| Coating Category        | Pound VOC per Gallon Solids |
|-------------------------|-----------------------------|
| General One-Component   | 3.4                         |
| General Multi-Component | 6.7                         |

Table 7 - Plastic parts and products maximum VOC emission rate limitations (VOC per volume solids)

|                                     |                            |
|-------------------------------------|----------------------------|
| Electric-Dissipating and Shock-Free | 74.7                       |
| Extreme Performance                 | 6.7 (2-pack coatings)      |
| Metallic                            | 6.7                        |
| Military Specification              | 4.5 (1-pack), 6.7 (2-pack) |
| Mold-Seal                           | 43.7                       |
| Multi-Colored                       | 25.3                       |
| Optical                             | 74.7                       |
| Vacuum Metallizing                  | 74.7                       |

Table 8 - Automotive/transportation and business machine plastic parts maximum VOC emission rate limitations (VOC per volume solids)

| Coating Category                             | Pound VOC per Gallon Solids |
|--|-----------------------------|
| --Automotive/Transportation Coatings*--      |                             |
|  |                             |
| High-Bake - Interior and Exterior Parts      |                             |
|  |                             |
| Flexible Primer                              | 11.6                        |
| Non-flexible Primer                          | 6.7                         |
| Basecoat                                     | 10.3                        |
| Clearcoat                                    | 8.8                         |
| Non-Basecoat/Clearcoat                       | 10.3                        |
|  |                             |
| Low-Bake/Air Dried - Exterior Parts          |                             |
|  |                             |
| Primer                                       | 13.8                        |
| Basecoat                                     | 15.6                        |
| Clearcoat                                    | 11.6                        |
| Non-Basecoat/Clearcoat                       | 15.6                        |
|  |                             |
| Low-Bake/Air Dried Coatings - Interior Parts | 15.6                        |
|  |                             |
| Touch-Up and Repair Coatings                 | 17.7                        |
|  |                             |
| --Business Machine Coatings--                |                             |
|  |                             |
| Primer                                       | 4.8                         |
| Topcoat                                      | 4.8                         |
| Texture Coat                                 | 4.8                         |
| Fog Coat                                     | 3.1                         |

Table 8 - Automotive/transportation and business machine plastic parts maximum VOC emission rate limitations (VOC per volume solids)

|                     |     |
|---------------------|-----|
| Touch-Up and Repair | 4.8 |
|---------------------|-----|

\* For red, yellow, and black automotive coatings, except touch up and repair coatings, the recommended limit is determined by multiplying the appropriate limit in table 8 of this rule by 1.15.

Table 9 - Pleasure craft surface coating maximum VOC emission rate limitations (VOC per volume solids)

| Coating Category   | Pound VOC per Gallon Solids |
|--|-----------------------------|
| Extreme High-Gloss Topcoat                                     | 9.2                         |
| High-Gloss Topcoat   | 6.7                         |
| Pretreatment Wash Primer                                       | 55.6                        |
| Finish Primer/Surfacer   | 6.7                         |
| High-Build Primer Surfacer                                     | 4.6                         |
| Aluminum Substrate Antifoulant                                 | 12.8                        |
| Other Substrate Antifoulant                                    | 4.4                         |
| All Other Pleasure Craft Surface Coatings for Metal or Plastic | 6.7                         |

(3) Option three. Reducing coating VOC emissions by add-on controls only.

An owner or operator may achieve compliance with this rule by using add-on air pollution control equipment that achieves a minimum overall VOC control efficiency of ninety per cent in lieu of the options under paragraph (C)(1) or (C)(2) of this rule. Such add-on air pollution control equipment shall meet paragraph (F) of this rule.

(D) One, or a combination, of the following application methods shall be used for coating application, except when complying using option three (add-on air pollution control equipment only) under paragraph (C)(3) of this rule or exempt under paragraph (A)(3) of this rule:

- (1) Electrostatic equipment.
- (2) High volume low pressure (HVLV) spray equipment.
- (3) Flow coating.
- (4) Roller coating.
- (5) Dip coating, including electrodeposition.
- (6) Airless spray.
- (7) Air-assisted airless spray.

- (8) Other coating application method capable of achieving a transfer efficiency equivalent or better than achieved by HVLP spraying.

(E) Work practice standards.

Work practices shall be used to minimize VOC emissions from mixing operations, storage tanks and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but are not limited to, the following:

- (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
- (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
- (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
- (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one location to another in closed containers or pipes.
- (5) Minimize VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

(F) Compliance procedures and test methods.

- (1) Compliance with the VOC emission limitations specified in this rule are based upon a weighted average by volume of all coating materials employed in the coating line in any one day. The VOC contents and densities of the coating materials subject to this rule shall be determined in accordance with paragraph (B) of rule 3745-21-10 of the Administrative Code. The VOC emission rate, capture efficiency and control efficiency for coating lines subject to this rule shall be determined in accordance with paragraph (C) of rule 3745-21-10 of the Administrative Code.
- (2) The averaging of VOC emissions over two or more coating lines in order to demonstrate compliance with an applicable emission limitation (i.e., cross-line averaging) is prohibited.
- (3) If add-on air pollution control equipment is used to meet this rule, the following monitoring shall be applicable:
  - (a) The combustion temperature is monitored continuously if a thermal incinerator is operate.
  - (b) For catalytic incinerators, one of the following:
    - (i) The inlet and exhaust gas temperatures are monitored continuously.

- (ii) The inlet temperature only for an owner or operator that elects to implement an inspection and maintenance plan for the catalytic incinerator that meets paragraph (F)(5) of this rule.
- (c) Control device efficiency is monitored continuously if a carbon absorber or control device other than a thermal or catalytic incinerator is operated.
- (4) If add-on air pollution control equipment is used to meet this rule, the following emissions testing shall be applicable:
  - (a) The general provisions specified under paragraphs (A)(2) to (A)(5) of rule 3745-21-10 of the Administrative Code shall apply to compliance testing.
  - (b) The test methods and procedures of paragraph (C) of rule 3745-21-10 of the Administrative Code shall be followed.

For the purpose of demonstrating compliance with the emission control requirements of paragraph (C)(2) or (C)(3) of this rule, the affected source shall be run at typical operating conditions and flow rates compatible with scheduled production during any emission testing.

- (5) For an owner or operator that elects, in accordance with paragraph (F)(3)(b)(ii) of this rule, to monitor the inlet temperature only of the catalytic incinerator, an inspection and maintenance plan shall be developed, maintained on-site, and made readily available upon the request of the appropriate Ohio EPA district office or local air agency. At a minimum, the plan shall include the following:
    - (a) Annual sampling and analysis of the catalyst activity (i.e., conversion efficiency) following the manufacturer's or catalyst supplier's recommended procedures.
    - (b) Monthly inspection of the oxidizer system including the burner assembly and fuel supply lines for problems.
    - (c) Annual internal and monthly external visual inspection of the catalyst bed to check for channeling, abrasion, and settling. If problems are found, corrective action consistent with the manufacturer's recommendations shall be implemented and a new performance test to determine destruction efficiency in accordance with paragraph (C) of rule 3745-21-10 of the Administrative Code shall be conducted.
- (G) Recordkeeping and reporting.
- (1) The owner or operator of a coating line subject to this rule shall demonstrate the ongoing status of compliance with the applicable VOC emission limitations or control requirements by means of one of the recordkeeping and reporting requirement alternatives specified in paragraph (B)(3) of rule 3745-21-09 of the Administrative Code.
  - (2) In addition to paragraphs (B)(3)(j) and (B)(3)(k) of rule 3745-21-09 of the Administrative Code, any owner or operator of a facility who complies with

paragraph (C)(2) or (C)(3) of this rule through the use of add-on air pollution control equipment shall record the key operating parameters for the control equipment, including but not limited to, the following information:

- (a) On a daily basis, the combustion temperature, inlet and exhaust gas temperatures and control device efficiency, as appropriate, pursuant to paragraph (F)(3) of this rule.
  - (b) Daily hours of operation.
  - (c) All maintenance performed including the date and type of maintenance.
- (3) All records made to determine compliance with this rule shall be maintained for five years from the date such record is created and shall be made available to the director or any authorized representative of the director within ninety days of a request.
- (H) Compliance dates.
- (1) The owner or operator of a coating line that is subject to this rule shall comply with this rule no later than the following dates:
    - (a) For any subject coating line for which installation commenced before the effective date of this rule, the compliance date for the coating line is either twelve months after the effective date of this rule or the date of initial startup of the coating line, whichever is later.
    - (b) For any subject coating line for which installation commenced on or after the effective date of this rule, the compliance date for the coating line is the initial startup date of the coating line.
  - (2) The owner or operator of a coating line that is subject to this rule shall demonstrate compliance with paragraph (C)(2) or (C)(3) of this rule by testing the control device on each subject source in accordance with paragraph (F)(4) of this rule according to the following:
    - (a) For any owner or operator of a coating line subject to paragraph (H)(1)(a) of this rule, by no later than ninety days after the process's compliance date. In addition, the Ohio EPA may accept the results of an emission test conducted prior to the effective date of this rule, if the owner or operator provides information and data to the Ohio EPA which demonstrate that the test was witnessed by the Ohio EPA or local air agency, that an approved USEPA emission test method was employed, and that the operation of the process was consistent with the current operating conditions and operating capacity.
    - (b) For any owner or operator of a coating line subject to paragraph (H)(1)(b) of this rule, within one hundred-eighty days after the coating line's compliance date.
  - (3) Additional testing of a subject coating line and its VOC add-on air pollution control equipment in accordance with paragraph (F)(4) of this rule may be required by the director to ensure continued compliance.

(I) Applicability notification, compliance certification, and permit application.

- (1) The owner or operator of a coating line that is subject to this rule with an initial startup date before the effective date of this rule shall notify the Ohio EPA district office or local air agency in writing that the coating line is subject to this rule. The notification, which shall be submitted not later than sixty days after the effective date of this rule or within sixty days after the coating line becomes subject to this rule, shall provide the following information:
  - (a) Name and address of the owner or operator.
  - (b) Address (i.e., physical location) of the facility.
  - (c) Equipment description and Ohio EPA application number (if assigned) of the subject coating line.
  - (d) Identification of the VOC emission requirement, the means of compliance, and the compliance date for the subject coating line.
  - (e) An application for an operating permit or an application for a modification to an operating permit in accordance with Chapter 3745-77 of the Administrative Code (for sources subject to the Title V permit program) or an application for a permit-to-install and operate or an application for a modification to a permit-to-install and operate in accordance with Chapter 3745-31 of the Administrative Code (for sources not subject to the Title V permit program) for each subject process that meets one of the following:
    - (i) The process does not possess an effective operating permit or permit-to-install and operate.
    - (ii) The process possesses an effective operating permit or permit-to-install and operate and the owner or operator cannot certify in writing to the director that such subject process is in compliance with this rule. An application for an operating permit or permit-to-install and operate is not required provided the subject process is operating under an effective permit and certifies compliance. Such certification shall include all compliance certification requirements under paragraph (I)(3) of this rule.
- (2) The owner or operator of a coating line that is subject to this rule with an initial startup date on or after the effective date of this rule shall notify the Ohio EPA district office or local air agency in writing that the coating line is subject to this rule. The notification, which shall be submitted not later than either the date of initial startup of the subject coating line, or sixty days after the effective date of this rule (whichever is later), shall provide the information listed under paragraph (I)(1) of this rule. The application for an installation permit under rule 3745-31-02 of the Administrative Code may be used to fulfill the notification requirements of this paragraph.
- (3) Compliance certification.

- (a) The owner or operator of a coating line that is subject to this rule shall notify the Ohio EPA district office or local air agency in writing within thirty days following the completion of any of the following:
  - (i) For a coating line subject to the VOC emission requirements in paragraph (C)(1) or (C)(2) of this rule, the first documented achievement of compliance with each of the requirements.
  - (ii) For a coating line subject to the VOC add-on air pollution control equipment requirement in paragraph (C)(2) or (C)(3) of this rule:
    - (a) The completion of installation and initial use of a VOC emission control system for the subject coating line.
    - (b) The completion of installation and initial use of any monitoring devices required under paragraph (C)(2) or (C)(3) of this rule for the subject coating line.
    - (c) The completion of any compliance testing conducted in accordance with paragraph (H)(2) of this rule to demonstrate compliance with the applicable control requirements.
- (b) The compliance certification under paragraph (I)(3)(a) of this rule shall provide the following, where applicable:
  - (i) A description of the requirements.
  - (ii) A description of the VOC emission control system.
  - (iii) A description of the monitoring devices.
  - (iv) A description of the records that document continuing compliance.
  - (v) The results of any compliance tests, including documentation of test data.
  - (vi) The results of any records that document continuing compliance, including calculations.
  - (vii) A statement by the owner or operator as to whether the subject coating line has complied with the requirements.
- (J) Requirements for an owner or operator of a coating line that determines they are not subject to one of the following.
  - (1) The owner or operator of a facility that determines the total actual VOC emissions, before the application of control systems and devices, from all miscellaneous metal or plastic parts coating operations, including related cleaning operations, at the facility are not equal to or greater than the limitation specified in paragraph (A)(1)(a) of this rule, shall select one of the following methods and maintain the following records for a period of five years:

(a) Monthly recordkeeping method, as follows:

- (i) Total gallons of each coating and cleaning material used per calendar month.
- (ii) VOC content (per cent by weight or pounds per gallon, whichever is consistent with the records kept in paragraph (J)(1)(a)(i) of this rule) of each coating and cleaning material used per calendar month.
- (iii) The total monthly VOC emissions, before the application of control systems and devices, in pounds for all coatings and cleaning materials employed per calendar month.
- (iv) The rolling twelve-month average of VOC emissions, in tons, before the application of control systems and devices. The rolling twelve-month average shall be calculated as the total VOC emissions, for the current calendar month, plus the total VOC emissions from the previous eleven calendar months.

(b) Daily emissions method, the following:

Provided total VOC emissions are less than 15.0 pounds per day, the owner or operator may elect to maintain the following records in lieu of the records required under paragraph (J)(1)(a) of this rule.

- (i) Total pounds or gallons of each coating and cleaning material used per day.
- (ii) VOC content (per cent by weight or pounds per gallon, whichever is consistent with the records kept in paragraph (J)(1)(b)(i) of this rule) of each coating and cleaning material used per day.
- (iii) The total daily VOC emissions, before the application of control systems and devices, in pounds for all coatings and cleaning materials employed per day.

(2) The owner or operator of a subject coating line that determines a requirement of paragraph (C) of this rule is not applicable because any individual coating category under paragraph (C) of this rule does not exceed fifty gallons per calendar year and the total usage of all such coatings does not exceed two hundred gallons per year, per facility, in accordance with paragraph (A)(3)(d)(v) of this rule shall maintain the following records, for a period of five years:

- (a) Identification of each individual coating category under paragraph (C) of this rule for which the owner or operator does not exceed fifty gallons per calendar year.
- (b) Total gallons of each coating for each individual coating category under paragraph (C) of this rule used per calendar year.
- (c) The sum of the total gallons of all such coatings identified under paragraph (J)(2)(b) of this rule used per calendar year.

(3) The owner or operator of a subject coating line, and subject to the exemption in

paragraph (A)(3)(d)(ix) of this rule, that determines a requirement of paragraph (C) of this rule is not applicable because the total usage of all HBAC containing coatings does not exceed one hundred gallons per calendar year per plastic parts coating operation, in accordance with paragraph (A)(3)(d)(ix) of this rule shall maintain the following records, for a period of five years:

- (a) Identification of each HBAC containing coating used per calendar year.
  - (b) Total gallons of each HBAC containing coating used per calendar year.
  - (c) The sum of the total gallons of all such coatings identified under paragraph (J)(3)(b) of this rule used per calendar year.
- (4) The owner or operator of a subject coating line, and subject to the exemption in paragraph (A)(3)(f)(i) of this rule, that determines a requirement of paragraph (C) of this rule is not applicable because the total usage of all coatings, except for coatings used on parts or products which are not metal, does not exceed three gallons per day, in accordance with paragraph (A)(3)(f)(i) of this rule shall maintain the records specified in paragraphs (B)(3)(d) and (B)(3)(e) of rule 3745-21-09 of the Administrative Code.

Effective: 10/15/2015

Five Year Review (FYR) Dates: 07/13/2020

CERTIFIED ELECTRONICALLY  
Certification

10/05/2015  
Date

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