

Facility ID: 0317030065 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

[Go to Part II for Emissions Unit K004](#)
[Go to Part II for Emissions Unit K005](#)

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Facility ID: 0317030065 Emissions Unit ID: K004 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Steel hydraulic cylinder coating line with prime booth, finish booth, and 1.8 mmBtu/hr curing oven	OAC rule 3745-31-05 (PTI 03-17253 issued May 3, 2007)	7.0 lbs organic compounds (OC) /hr, 30.7 tons OC /yr, from coating operations
		161 lbs OC /month, 0.97 ton OC /yr, from cleanup operations
		See A.2.a
	OAC rule 3745-21-09 (U) (1) (c)	3.5 pounds volatile organic compound (VOC) per gallon of coating, excluding water and exempt solvents, for an extreme performance coating
	OAC rule 3745-17-11-(A)	See A.2.b
	OAC rule 3745-17-07 (A)	See A.2.c

2. Additional Terms and Conditions

- (a) The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09 (U) (1) (c).
 The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11 (A) (2) (ii), this unit is exempt from the requirements of OAC rule 3745-17-11 (B) (2).
 This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (A) pursuant to OAC rule 3745-17-07 (A) (3) (h) because OAC rule 3745-17-11 is not applicable.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content of each coating (excluding water and exempt solvents), as applied, in pounds per gallon;
 - c. the OC content of each coating employed, in pounds per gallon;
 - d. the number of gallons of each coating employed;
 - e. the OC emissions rate for each coating, (C.1.c x C.1.d), in pounds per month;
 - f. the total OC emissions rate for all coatings (sum of C.1.e), in pound per month;
 - g. the annual, year-to-date OC emissions, in tons from all coatings employed (summation of C.1.f x 1 ton/2000 lbs for each calendar month to date from January to December).

2. The permittee shall collect and record the following information each month for cleanup material usage for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emissions from each cleanup material employed, (C.2.b x C.2.c), in pounds per month;
 - e. the total OC emissions from all cleanup materials employed, (sum of C.2.d), in pounds per month; and
 - f. the annual year-to-date OC emissions, in tons, from all cleanup materials employed (summation of C.2.e x 1 ton/2000 lbs for each calendar month to date from January to December).

The permittee may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off-site for reclamation/disposal:

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons of cleanup materials sent off-site for disposal or reclamation [minus solids content of said material] x solvent density).

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. The permittee shall also submit annual reports that specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:
7.0 lbs OC/hr from coating operations

Applicable Compliance Method:
The hourly emission limitation represents the potential to emit* for the emissions unit. Therefore, no recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

* The potential to emit for this emissions unit is based on multiplying the maximum OC content of 3.5 lbs per gallon (as applied) by the maximum usage rate of 2 gallons per hour.

Emission Limitation:
30.7 tons OC /yr from coating operations

Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements specified in Section C.1. of this permit.

Emission Limitation:
161 lbs OC /month, 0.97 ton OC /yr, from cleanup operations

Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements specified in Section C.2. of this permit.

Emission Limitation:
3.5 lbs of VOC per gallon of coating, excluding water and exempt solvents for extreme performance coating

Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements specified in Section C.1. of this permit.
2. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coating or cleaning materials.

F. Miscellaneous Requirements

1. Modeling to determine conformity with the Environmental Protection Agency's document entitled "Review of New Sources of Air Toxics Emissions, Option A" dated May 1986, was not necessary because the emissions unit does not emit any air toxic contained in Chapter 3745-114-01 (A) of the Administrative Code. Chapter 3745-114-01 (A) of the Administrative Code may require a permit-to-install, issued in accordance with Chapter 3745-31 of the Administrative Code, for any modification of an air contaminant source that emits an air toxic contaminant as described in OAC rule 3745-114-01 (A).

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Facility ID: 0317030065 Emissions Unit ID: K005 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Metal parts (large bore) coating booth, and 180,000 Btu/hr curing oven	OAC rule 3745-31-05 (PTI 03-17253 issued May 3, 2007)	5.25 lbs organic compounds (OC) /hr, 23.0 tons OC /yr, from coating operations
		40.3 lbs OC /month, 0.24 ton OC /yr, from cleanup operations
	OAC rule 3745-21-09 (U) (1) (c)	See A.2.a 3.5 pounds volatile organic compound (VOC) per gallon of coating, excluding water and exempt solvents, for an extreme performance coating
	OAC rule 3745-17-11-(A)	See A.2.b
	OAC rule 3745-17-07 (A)	See A.2.c

2. Additional Terms and Conditions

- (a) The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09 (U) (1) (c).
The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11 (A) (2) (ii), this unit is exempt from the requirements of OAC rule 3745-17-11 (B) (2).
This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (A) pursuant to OAC rule 3745-17-07 (A) (3) (h) because OAC rule 3745-17-11 is not applicable.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the name and identification number of each coating, as applied;
 - b. the VOC content of each coating (excluding water and exempt solvents), as applied, in pounds per gallon;
 - c. the OC content of each coating employed, in pounds per gallon;
 - d. the number of gallons of each coating employed;
 - e. the OC emissions rate for each coating, (C.1.c x C.1.d), in pounds per month;
 - f. the total OC emissions rate for all coatings (sum of C.1.e), in pound per month;
 - g. the annual, year-to-date OC emissions, in tons from all coatings employed (summation of C.1.f x 1 ton/2000 lbs for each calendar month to date from January to December).
2. The permittee shall collect and record the following information each month for cleanup material usage for this emissions unit:
 - a. the name and identification number of each cleanup material employed;
 - b. the number of gallons of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emissions from each cleanup material employed, (C.2.b x C.2.c), in pounds per month;
 - e. the total OC emissions from all cleanup materials employed, (sum of C.2.d), in pounds per month; and
 - f. the annual year-to-date OC emissions, in tons, from all cleanup materials employed (summation of C.2.e x 1 ton/2000 lbs for each calendar month to date from January to December).

The permittee may calculate OC emissions from cleanup operations in accordance with the following formula if waste cleanup materials are sent off-site for reclamation/disposal:

OC emissions from cleanup operations = (total gallons of cleanup material used x solvent density of cleanup material) - (total gallons of cleanup materials sent off-site for disposal or reclamation [minus solids content of said material] x solvent density).

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. The permittee shall also submit annual reports that specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:
5.25 lbs OC /hr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* for the emissions unit. Therefore, no recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

* The potential to emit for this emissions unit is based on multiplying the maximum OC content of 3.5 lbs per gallon (as applied) by the maximum usage rate of 1.5 gallons per hour.

Emission Limitation:
23.0 tons OC /yr from coating operations

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section C.1. of this permit.

Emission Limitation:
40.3 lbs OC /month, 0.24 ton OC /yr, from cleanup operations

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section C.2. of this permit.

Emission Limitation:
3.5 lbs of VOC per gallon of coating, excluding water and exempt solvents for extreme performance coating

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section C.1. of this permit.

2. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coating or cleaning materials.

F. Miscellaneous Requirements

1. Modeling to determine conformity with the Environmental Protection Agency's document entitled "Review of New Sources of Air Toxics Emissions, Option A" dated May 1986, was not necessary because the emissions unit does not emit any air toxic contained in Chapter 3745-114-01 (A) of the Administrative Code. Chapter 3745-114-01 (A) of the Administrative Code may require a permit-to-install, issued in accordance with Chapter 3745-31 of the Administrative Code, for any modification of an air contaminant source that emits an air toxic contaminant as described in OAC rule 3745-114-01 (A).