

Facility ID: 1318288189 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 K001](#)
- [Go to Part II for Emissions Unit K002](#)
- [Go to Part II for Emissions Unit K003](#)
- [Go to Part II for Emissions Unit K004](#)
- [Go to Part II for Emissions Unit K005](#)
- [Go to Part II for Emissions Unit P001](#)
- [Go to Part II for Emissions Unit P002](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1318288189 Emissions Unit ID: K001 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>
three work tables at which paint is manually applied by cloth to metal parts.	OAC rule 3745-31-05 (A)(3) (PTI # 13-03514 mod)	19.92 lbs/day and 3.64 TPY of VOC emissions from coatings. 16.58 lbs/day and 3.03 TPY of VOC from cleanup emissions. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09 (U). See B.1. below
	OAC rule 3745-21-09 (U)	See A.2.a below.

2. **Additional Terms and Conditions**
 - (a) Although the requirements of OAC rule 3745-21-09 (U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09 (U)(2) (e)(ii) is not part of the federally-approved SIP (for the Cleveland/ Akron ozone area). The rule has been revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of USEPA's acceptance in writing; therefore, the 3 gallons per day usage restriction will apply as the exemption level while OAC rule 3745-21-09(U) is being approved by USEPA, as well as after USEPA approval.

B. Operational Restrictions

1. Coating usage shall not exceed 3 gallons of coating in any one day.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the total volume, in gallons, of all of the coatings employed;
 - d. the name and identification of each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the VOC content of each cleanup material, in pounds per gallon;

- g. the VOC content of each coating, as applied, in pounds per gallon;
 - h. the total VOC emission rate for all coatings, in pounds per day (b X g); and
 - i. the total VOC emission rate for all cleanup materials, in pounds per day (e X f).
2. The permittee shall collect and record the total VOC emissions from all coatings and cleanup materials employed, in tons, for this emissions unit for the purpose of determining annual VOC emissions (summation of daily emissions (section C.1 (h + i)).
- D. Reporting Requirements**
- 1. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.
 - 2. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
 - 3. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that this emissions unit exceeds the applicable maximum daily emission rate. The notifications shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.
- E. Testing Requirements**
- 1. Emission Limitation -
 - Coating usage shall not exceed 3 gallons of coating in any one day.
 - Applicable Compliance Method -
 - Compliance shall be based upon the recordkeeping requirements in Section C.
 - 2. Emission Limitation -
 - 19.92 lbs/day and 3.64 TPY of VOC emissions from coatings
 - Applicable Compliance Method -
 - Compliance shall be based upon the recordkeeping requirements in Section C.
 - 3. Emission limitation -
 - 16.58 lbs/day and 3.03 TPY of VOC clean-up emissions
 - Applicable Compliance Method -
 - Compliance shall be based upon the recordkeeping requirements in Section C.
- F. Miscellaneous Requirements**
- 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1318288189 Emissions Unit ID: K002 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>
---	--------------------------------------	--

<p>paint spray booth for metal parts and fixtures.</p>	<p>OAC rule 3745-31-05 (A)(3) (PTI # 13-3514)</p>	<p>19.77 lbs/day and 3.61 TPY of VOC emissions from coatings.</p> <p>16.58 lbs and 3.03 TPY of VOC from clean-up emissions.</p> <p>2.41 TPY PE</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U).</p> <p>See B.1. below</p> <p>See B.2. below</p> <p>See A.2.a below</p>
	<p>OAC rule 3745-21-09(U)(2)(e)(ii)</p>	

2. Additional Terms and Conditions

- (a) Although the requirements of OAC rule 3745-21-09 (U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09 (U)(2) (e)(ii) is not part of the federally-approved SIP (for the Cleveland/ Akron ozone area). The rule has been revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of USEPA's acceptance in writing; therefore, the 3 gallons per day usage restriction will apply as the exemption level while OAC rule 3745-21-09(U) is being approved by USEPA, as well as after USEPA approval.

B. Operational Restrictions

- 1. The permittee shall operate exhaust filters for the control of particulate emissions when this emission unit is in operation.
- 2. Coating usage shall not exceed 3allons of coating in any one day.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the total volume, in gallons, of all of the coatings employed;
 - d. the name and identifiiction of each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the VOC content of each cleanup material, in pounds per gallon;
 - g. the VOC content of each coating, as applied, in pounds per gallon;
 - h. the total VOC emission rate for all coatings, in pounds per day (b X g); and
 - i. the total VOC emission rate for all cleanup materials, in pounds per day (e X f).
- 2. The permittee shall collect and record the total VOC emissions from all coatings and cleanup materials employed, in tons, for this emissions unit for the purpose of determining annual VOC emissions.
- 3. The permittee shall maintain daily records and document any time periods when the exhaust filters was not in service when this emissions unit was in operation.

D. Reporting Requirements

- 1. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.
- 2. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calender year. These reports shall be submitted by January 31 of each year.
- 3. The permittee shall notify the Cleveland Divisio of Air Quality (CDAQ) in writing of any daily record showing that this emissions unit exceeds the applicable maximum daily emission rate. The notifications shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.
- 4. The permittee shall notify the Clevelnd Division of Air Quality (CDAQ) in writing of any record showing that the exhaust filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the CDAQ within 30 days after the event occurs.

E. Testing Requirements

- 1. Emission Limitation -
 - Coating usage shall not exceed 3 gallons of coating in any one day.
 - Applicable Compliance Method -

Compliance shall be based upon the recordkeeping requirements in Section C.

2. Emission Limitation -

19.77 lbs/day and 3.61 TPY of VOC emissions from coatings

Applicable Compliance Method -

Compliance shall be based upon the recordkeeping requirements in Section C.

3. Emission limitaion -

16.58 lbs/day and 3.03 TPY of VOC clean-up emissions

Applicable Compliance Method -

Compliance shall be based upon the recordkeeping requirements in Section C.

4. Emission Limitation -

2.41 TPY of PE

Applicable Compliance Method:

To determine the actual worst case particulate emissions rate, the following equation shall be used:

$E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$

E = particulate emissions rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount solids deposited on the coated part to the amount of coating solids used.

CE = fractional control efficiency of the control equipment.

The ton per year limitation was developed by multiplying the pound per hour calculated above by the maximum operating schedule of 8760 hours per year, and dividing by 2000 lbs/ton.

F. **Miscellaneous Requirements**

- 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1318288189 Emissions Unit ID: K003 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>
clear dip coating line for metal parts.	OAC rule 3745-31-05 (A)(3) (PTI # 13-3514)	19.32 lbs/day and 3.53 TPY of VOC emissions from coatings no VOC emissions from cleanup operation
	OAC rule 3745-21-09 (U)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09 (U). See B.1. below

See A.2.a. below.

2. **Additional Terms and Conditions**
 - (a) Although the requirements of OAC rule 3745-21-09 (U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09 (U)(2) (e)(ii) is not part of the federally-approved SIP (for the Cleveland/ Akron ozone area). The rule has been revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of USEPA's acceptance in writing; therefore, the 3 gallons per day usage restriction will apply as the exemption level while OAC rule 3745-21-09(U) is being approved by USEPA, as well as after USEPA approval.
- B. **Operational Restrictions**
 1. Coating usage shall not exceed 3 gallons of coating in any one day.
- C. **Monitoring and/or Record Keeping Requirements**
 1. The permittee shall collect and record the following information each day for this emission unit:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the total volume, in gallons, of all the coatings employed;
 - d. the VOC content of each coating, in pounds per day;
 - e. the total VOC emission rate for all coatings, in pounds per day(b X d); and
 2. The permittee shall collect and record the total VOC emissions from all coatings employed, in tons, for this emissions unit for the purpose of determining annual VOC emissions (summation of daily emissions; (sections C.1.e).
- D. **Reporting Requirements**
 1. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.
 2. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
 3. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that this emissions unit exceeds the applicable maximum daily emission rate. The notifications shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.
- E. **Testing Requirements**
 1. Emission Limitation -

Coating usage shall not exceed 3 gallons of coating in any one day.

Applicable Compliance Method -

Compliance shall be based upon the recordkeeping requirements in Section C.
 2. Emission Limitation -

19.32 lbs/day and 3.53 TPY of VOC emissions from coatings

Applicable Compliance Method -

Compliance shall be based upon the recordkeeping requirements in Section C.
- F. **Miscellaneous Requirements**
 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1318288189 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>
paint spray booth for metal parts and fixtures.	OAC rule 3745-31-05 (A)(3) (PTI # 13-3514)	19.80 lbs/day and 3.61 TPY of VOC emissions from coatings.
		14.79 lbs/day and 2.70 TPY of VOC from clean-up emissions.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09 (U).
		2.41 TPY, PE
		See B.1.below
	OAC rule 3745-21-09(U)	See B.2. below
		See A.2.a. below

2. Additional Terms and Conditions

(a) Although the requirements of OAC rule 3745-21-09 (U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09 (U)(2) (e)(ii) is not part of the federally-approved SIP (for the Cleveland/ Akron ozone area). The rule has been revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of USEPA's acceptance in writing; therefore, the 3 gallons per day usage restriction as the exemption level while OAC rule 3745-21-09(U) is being approved by USEPA, as well as after USEPA approval.

B. Operational Restrictions

1. The permittee shall operate exhaust filters for the control of particulate emissions when this emission unit is in operation.
2. Coating usage shall not exceed 3 gallons of coating in any one day.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the total volume, in gallons, of all of the coatings employed;
 - d. the name and identification of each cleanup material employed;
 - e. the number of gallons of each cleanup material employed;
 - f. the VOC content of each cleanup material, in pounds per gallon;
 - g. the VOC content of each coating, as applied, in pounds per gallon;
 - h. the total VOC emission rate for all coatings, in pounds per day (h X g); and
 - i. the total VOC emission rate for all cleanup materials, in pounds per day (e X f).
2. The permittee shall collect and record the total VOC emissions from all coatings and cleanup materials employed, in tons, for this emissions unit for the purpose of determining annual VOC emissions (summation of daily emissions for each calendar year (sections C.1. (h + i)).
3. The permittee shall maintain daily records and document any time periods when the exhaust filters was not in service when this emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall notify the Director Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.
2. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
3. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that this emissions unit exceeds the applicable maximum daily emission rate. The notifications shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.

4. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any record showing that the exhaust filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the CDAQ within 30 days after the event occurs.

E. Testing Requirements

1. Emission Limitation -
Coating usage shall not exceed 3 gallons of coating in any one day.
Applicable Compliance Method -
Compliance shall be based upon the recordkeeping requirements in Section C.
2. Emission Limitation -
19.80 lbs/day and 3.61 TPY of VOC emissions from coatings
Applicable Compliance Method -
Compliance shall be based upon the recordkeeping requirements in Section C.
3. Emission limitation -
14.79 lbs/day and 2.70 TPY of VOC clean-up emissions
Applicable Compliance Method -
Compliance shall be based upon the recordkeeping requirements in Section C.
4. Emission Limitation -
2.41 TPY of PE
Applicable Compliance Method:
To determine the actual worst case particulate emissions rate, the following equation shall be used:
 $E = \text{maximum coating solids usage rate in pounds per hour} \times (1-TE) \times (1-CE)$
E = particulate emissions rate (lbs/hr)
TE = transfer efficiency, which is the ratio of the amount of solids deposited on the coated part to the amount of coating solids used.
CE = fractional control efficiency of the control equipment.
The ton per year limitation was developed by multiplying the pound per hour limitation by the maximum operating schedule of 8760 hours per year, and dividing by 2000 lbs/ton.

F. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1318288189 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</u>
---	--------------------------------------	---

four clear coat dip tanks with an oven dryer for metal parts. OAC rule 3745-31-05 (A)(3) (PTI # 13-03514)

Measures

20.6 lbs/day of VOC emissions,
3.76 TPY of VOC emissions

The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-21-09 (U)(2)(e)(ii).

OAC rule 3745-21-09(U)

no cleanup emissions
See B.1.below

See A.2.a. below.

2. Additional Terms and Conditions

- (a) Although the requirements of OAC rule 3745-21-09 (U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09 (U)(2) (e)(ii) is not part of the federally-approved SIP (for the Cleveland/ Akron ozone area). The rule has been revised to reflect an exemption level (3 gallons per day) that will be acceptable to USEPA. The Ohio EPA has received confirmation of USEPA's acceptance in writing; therefore, the 3 gallons per day usage restriction in Section A.II.1.below will apply as the exemption level while OAC rule 3745-21-09 (U) is being approved by USEPA, as well as after USEPA approval.

B. Operational Restrictions

- 1. Coating usage shall not exceed 3 gallons of coating in any one day.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the total volume, in gallons, of all of the coatings employed;
 - d. the VOC content of each coating, in pounds per gallon; and
 - e. the total VOC emission rate for all coatings, in pounds per day (summation of b X d).
- 2. The permittee shall collect and record the total VOC emissions from all coatings employed, in tons, for this emissions unit for the purpose of determining annual VOC emissions (summation of daily emissions for each calendar year section C.1.e).

D. Reporting Requirements

- 1. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit. The notification shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.
- 2. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any daily record showing that this emissions unit exceeds the applicable maximum daily emission rate. The notifications shall include a copy of such record and shall be sent to the CDAQ within 45 days after the exceedance occurs.

E. Testing Requirements

- 1. Emission Limitation -
 - Coating usage shall not exceed 3 gallons of coating in any one day.
 - Applicable Compliance Method -
 - Compliance shall be based upon the recordkeeping requirements in Section C.
- 2. Emission Limitation -
 - 20.6 lbs/day and 3.76 TPY of VOC emissions from coatings
 - Applicable Compliance Method -
 - Compliance shall be based upon the recordkeeping requirements in Section C.

F. Miscellaneous Requirements

- 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1318288189 Emissions Unit ID: P001 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>
four (4) buffing machines for metal parts controlled by a cyclone and baghouse.	OAC rule 3745-13-05(A)(3) (PTI # 13-3514)	2.41 TPY PE The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A). See section A.2.a
	OAC rule 3745-17-07(A)	20% opacity as a 6-minute average
	OAC rule 3745-17-11(B)	0.551 lb/hr of PE

2. Additional Terms and Conditions

- (a) The use of a baghouse for control of particulate matter is required to satisfy the BAT requirements in OAC 3745-31-05(A)(3).

B. Operational Restrictions

1. The permittee shall operate a cyclone and baghouse for control of particulate matter while this emissions unit is in operation.
2. The pressure drop across the baghouse shall be maintained within the range of 1.0 to 4.3 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per shift basis.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified.

E. Testing Requirements

1. Emission Limitation -
PE: 2.41 TPY
Applicable Compliance Method(s) -
Compliance shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton to arrive at the TPY emission rate.
2. Emission Limitation -
20% opacity, as a six minute a minute average
Applicable Compliance Method(s) -
Compliance shall be determined by visible emission observations performed in accordance with U.S. EPA Reference Method and the procedures specified in OAC rule 3745-17-03(B)(1).
3. Emission Limitation -
0.551 lb/hr PE
Applicable Compliance Method(s)
If required, compliance shall be determined by performing a stack using USEPA Methods 1 through 5 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1318288189 Emissions Unit ID: P002 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>
Bright nickel and brass plating line used for miscellaneous lighting fixtures	OAC rule 3745-31-05 (A) (3) PTI # (13-3514)	0% opacity as a six-minute average 8.23 TPY nitric acid as a mist (PE)
	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11 (B). 1.88 lbs/hr PE The visible emission limitations established pursuant to this rule are less stringent than the visible emission limitations of OAC rule 3745-31-05 (A)(3).

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on an annual basis:
 - a. All material used in process at maximum production rate.
 - b. The usage rate (in lbs/month and lbs/yr) of each material used.
 - c. The annual operating hours of the emissions unit.

D. Reporting Requirements

1. The permittee shall notify the Cleveland Division of Air Quality (CDAQ) in writing of any exceedances of the applicable emission limitations. A copy of such record shall be sent to the CDAQ within 45 days following the date of the excursion. Accompanying the record, the permittee shall indicate, in writing, the probable cause(s) of the excursion(s) and the steps which have been implemented to correct the violation(s) and prevent any such future occurrences.

E. Testing Requirements

1. Emission Limitation -
 - 1.88 lbs/hr of particulate emissions
 - Applicable Compliance Method -
 - Compliance shall be based upon the recordkeeping requirement in Section A.C.1.. The pound per hour emission rate was established at the maximum hourly process weight rate.
2. Emission Limitation -
 - 8.23 TPY particulate emissions
 - Applicable Compliance Method -
 - Compliance shall be based upon the recordkeeping requirement in Section A.C.1.. The annual emission

limitation was established by multiplying the hourly emission rate by 8760 hours of operation per year and dividing by 2000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.

3. Emission Limitation -

0% opacity, as a six-minute average

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

F. **Miscellaneous Requirements**

1. None