

Facility ID: 0247030559 Issuance type: Final State Permit To Operate

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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 L001](#)  
[Go to Part II for Emissions Unit L003](#)  
[Go to Part II for Emissions Unit P001](#)

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Facility ID: 0247030559 Emissions Unit ID: L001 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>
Open top vapor degreaser using trichloroethylene	40 CFR Part 63, Subpart T  OAC rule 3745-31-05(A)(3) PTI 19-063  OAC rule 3745-21-09(O)	Emissions of volatile organic compounds (trichloroethylene) shall not exceed 4.85 tons per year. See A.2.a, A.2.b, and A.2.c below.  None.  In accordance with paragraph (O)(6)(b) of OAC rule 3745-21-09, the requirements of OAC rule 3745-21-09 (O)(3) shall not apply to this emissions unit.

**2. Additional Terms and Conditions**

- (a) The permittee shall ensure that the chilled air blanket temperature (in degrees F), measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point. The permittee shall maintain a freeboard with a freeboard ratio equal to 1.0 or greater. The permittee shall ensure that the solvent cleaning machine conforms to the following design requirements:
  - i. use of an idling and downtime mode cover that shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) to not be in place. The cover must be able to be readily opened or closed, must completely cover the cleaning machine openings when is place, and must be free of cracks, holes, and other defects;
  - ii. the solvent cleaning machine shall have a freeboard ratio of 1.0 or greater;
  - iii. the solvent cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts;
  - iv. the solvent cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils;
  - v. the solvent cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser; and
  - vi. the solvent cleaning machine shall have a primary condenser.

**B. Operational Restrictions**

1. The permittee shall meet all of the following required work and operational practices:
  - a. control air disturbances across the solvent cleaning machine opening(s) by incorporating the following control equipment or techniques: cover(s) for the solvent cleaning machine shall be in place during the idling mode and during the downtime mode unless either the solvent has been removed from the machine or maintenance or

monitoring is being performed that requires the cover(s) to not be in place;

- b. the parts basket or the parts being cleaned in the solvent cleaning machine shall not occupy more than 50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meter per minute (3 feet per minute) or less;
- c. any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine);
- d. parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes must be tipped or rotated before being removed from the solvent cleaning machine unless an equally effective approach has been approved by the Ohio EPA Northeast District Office;
- e. parts baskets or parts shall not be removed from the solvent cleaning machine until dripping has stopped;
- f. during startup of the solvent cleaning machine, the primary condensers shall be turned on before the sump heater;
- g. during shutdown of the solvent cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off;
- h. when solvent is added or drained from the solvent cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface;
- i. the solvent cleaning machine and its associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the satisfaction of the Ohio EPA Northeast District Office to achieve the same or better results as those recommended by the manufacturer;
- j. the permittee shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in 40 CFR Part 63, Appendix B if requested during an inspection by the Ohio EPA Northeast District Office;
- k. waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but must not allow liquid solvent to drain from the container; and
- l. sponges, fabric, wood, and paper products shall not be cleaned.

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall monitor the hoist speed as described below:
  - a. the permittee shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute);
  - b. the permittee shall conduct monthly monitoring of the hoist speed. If after the first year, no exceedances of the hoist speed are measured, the permittee may begin monitoring the hoist speed quarterly;
  - c. if an exceedance of the hoist speed occurs during quarterly monitoring, the permittee shall return to a monthly monitoring frequency until another year of compliance without an exceedance is demonstrated; and
  - d. if the permittee can demonstrate to the satisfaction of the Ohio EPA Northeast District Office in the initial compliance report that the hoist speed cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance.
2. The permittee shall maintain the following records in written or electronic form for the lifetime of the solvent cleaning machine:
  - a. owner's manuals, or if not available, written maintenance and operating procedures for the solvent cleaning machine and control equipment;
  - b. the date of installation for the solvent cleaning machine and all of its control devices. If the exact date for the installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted; and
  - c. records of the halogenated HAP solvent content for the solvent used in the solvent cleaning machine.
3. The permittee shall maintain the following records in written or electronic form for a period of five years for the solvent cleaning machine:
  - a. the results of control device monitoring required in this section of the permit;
  - b. information on the actions taken to comply with 40 CFR 63.463 (e) and (f), including records of written or verbal orders for replacement parts, a description of the repair made, and additional monitoring conducted to demonstrate that monitored parameters have returned to acceptable levels;
  - c. estimates of annual trichloroethylene consumption for the solvent cleaning machine; and
  - d. estimates of annual trichloroethylene waste removed from the solvent cleaning machine.
4. The permittee shall conduct monitoring and record the results on a weekly basis for the freeboard refrigeration device by using a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.
5. Maintenance of records of solvent usage and waste for this emissions unit is not required because the allowable

emission limitation of 4.85 TPY is based on the calculation of potential to emit for the emissions unit in 40 CFR Part 63, Subpart T.

**D. Reporting Requirements**

1. The permittee shall submit an initial notification report as soon as practicable before the construction or reconstruction is planned to commence. This report shall include all of the information required in 40 CFR 63.5 (d)(1) of Subpart A, with the following revisions and additions:
  - a. The report shall include a brief description of the solvent cleaning machine type (batch vapor, batch cold, vapor in-line, or cold in-line), solvent/air interface area, and existing controls.
  - b. The report shall include the anticipated compliance approach for the solvent cleaning machine.
  - c. The report shall include an estimate of the trichloroethylene consumption for the solvent cleaning machine in lieu of the requirements of 40 CFR 63.5(d)(1)(ii)(H), Subpart A.
2. The permittee shall submit an annual report by February 1 of each year for the preceding year. Each annual report shall contain the following:
  - a. a signed statement from the facility owner or their designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required pursuant to 40 CFR Part 60.463(d)(10)"; and
  - b. an estimate of solvent consumption during the reporting period.
3. The permittee shall submit an exceedance report on a semiannual basis. If the temperature of the chilled air blanket, measured at the center of the air blanket, was greater than 30% of the solvent's boiling point and no correction was made within 15 days of detection, the permittee shall begin to submit a quarterly report until such time that the permittee requests and receives approval of a less frequent reporting frequency from the Ohio EPA Northeast District Office. The permittee may receive approval of less frequent reporting if the following conditions are met: (1) The emissions unit has demonstrated a full year of compliance without an exceedance, (2) the permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in 40 CFR 63.1, General Provisions, and (3) the Ohio EPA Northeast District Office does not object to a reduced frequency of reporting for the affected emissions unit as provided in paragraph (e)(3)(iii) of Subpart A, 40 CFR 63.1, General Provisions. Each exceedance report shall be delivered or post marked by the 30th day following the reporting period. Each exceedance report shall contain the following:
  - a. The reason and a description of the exceedance and action(s) taken to comply with 40 CFR 63.463 (e) and (f) including written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to acceptable level; and
  - b. If no exceedance has occurred, a statement to that effect shall be submitted.

**E. Testing Requirements**

1. The permittee shall determine the facility's potential to emit (PTE) from all solvent cleaning operations. A facility's total PTE is the sum of the HAP emissions from all solvent cleaning operations plus all HAP emissions from other emissions units from within the facility. The potential to emit shall be determined in accordance with the following procedures:
  - a. Determine the potential to emit for each individual solvent cleaning machine using the following equation:
 
$$PTE_i = H_i \times W_i \times SA_{li}$$
 Where:
    - PTE<sub>i</sub> = the potential to emit for the solvent cleaning machine i (kilograms solvent per year).
    - H<sub>i</sub> = hours of operation for solvent cleaning machine i (hours per year).
    - = 8760 hours per year, unless otherwise restricted by a federally enforceable requirement.
    - W<sub>i</sub> = the working mode uncontrolled emission rate (kilograms per square meter per hour).
    - = 1.95 kilograms per square meter per hour for batch vapor and cold cleaning machines.
    - = 1.12 kilograms per square meter per hour for in-line cleaning machines.
 SA<sub>li</sub> = solvent/air interface area of solvent cleaning machine i (square meters). Section 63.461 defines the solvent/air interface area for those machines that have a solvent /air interface.
2. It is not required that the permittee determine the potential to emit for emissions unit L003 using the equation found in 40 CFR 63.465 since this permit is limiting potential emissions to 5.1 tons VOC per rolling 12-month period.
 

Emission Limit:

Emissions of volatile organic compounds (trichloroethylene) shall not exceed 4.85 tons per year.

Applicable Compliance Method:

The emission limit of 4.85 tons per year is based on the calculation of potential to emit for the emissions unit in 40 CFR Part 63, Subpart T. Therefore, the emission limit cannot be exceeded and testing is not required.

**F. Miscellaneous Requirements**

1. All volatile organic compounds (VOCs) emitted from this source (emissions unit L001) are hazardous air pollutants (HAPs) as defined in Section 112(b) of the Clean Air Act.

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Facility ID: 0247030559 Emissions Unit ID: L003 Issuance type: Final State Permit To Operate

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

**Part II - Special Terms and Conditions**

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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>
Ultrasonic open top vapor degreaser using trichloroethylene	OAC rule 3745-35-07(B)	Emissions of volatile organic compounds (trichloroethylene) shall not exceed 5.1 tons per rolling 12-month period.
	OAC rule 3745-31-05(A)(3) PTI 02-14213	Emissions of volatile organic compounds shall not exceed 5.1 TPY. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart T.
	OAC rule 3745-21-09(O)	In accordance with paragraph (O)(6)(b) of OAC rule 3745-21-09, the requirements of OAC rule 3745-21-09 (O)(3) shall not apply to this emissions unit.
	40 CFR Part 63, Subpart T	See A.2.a, A.2.b, and A.2.c below.

**2. Additional Terms and Conditions**

- (a) The permittee shall ensure that the chilled air blanket temperature (in degrees F), measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point. The permittee shall maintain a freeboard with a freeboard ratio equal to 1.0 or greater. The permittee shall ensure that the solvent cleaning machine conforms to the following design requirements:
  - i. use of an idling and downtime mode cover that shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) to not be in place. The cover must be able to be readily opened or closed, must completely cover the cleaning machine openings when is place, and must be free of cracks, holes, and other defects;
  - ii. the solvent cleaning machine shall have a freeboard ratio of 1.0 or greater;
  - iii. the solvent cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts;
  - iv. the solvent cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils;
  - v. the solvent cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser; and
  - vi. the solvent cleaning machine shall have a primary condenser.

**B. Operational Restrictions**

1. The permittee shall meet all of the following required work and operational practices:
  - a. control air disturbances across the solvent cleaning machine opening(s) by incorporating the following control equipment or techniques: cover(s) for the solvent cleaning machine shall be in place during the idling mode and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) to not be in place;
  - b. the parts basket or the parts being cleaned in the solvent cleaning machine shall not occupy more than 50

percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meter per minute (3 feet per minute) or less;

- c. any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine);
  - d. parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes must be tipped or rotated before being removed from the solvent cleaning machine unless an equally effective approach has been approved by the Ohio EPA Northeast District Office;
  - e. parts baskets or parts shall not be removed from the solvent cleaning machine until dripping has stopped;
  - f. during startup of the solvent cleaning machine, the primary condensers shall be turned on before the sump heater;
  - g. during shutdown of the solvent cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off;
  - h. when solvent is added or drained from the solvent cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface;
  - i. the solvent cleaning machine and its associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the satisfaction of the Ohio EPA Northeast District Office to achieve the same or better results as those recommended by the manufacturer;
  - j. the permittee shall complete and pass the applicable sections of the test of solvent cleaning operating procedures in 40 CFR Part 63, Appendix B if requested during an inspection by the Ohio EPA Northeast District Office;
  - k. waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but must not allow liquid solvent to drain from the container; and
  - l. sponges, fabric, wood, and paper products shall not be cleaned.
2. The maximum annual solvent (trichloroethylene) usage for this emissions unit shall not exceed 840 gallons, based upon a rolling, 12-month summation of the solvent usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the solvent usage levels specified in the following table:

Month(s) Maximum Allowable  
Cumulative Solvent Usage

1	70 gallons
2	140 gallons
3	210 gallons
4	280 gallons
5	350 gallons
6	420 gallons
7	490 gallons
8	560 gallons
9	630 gallons
10	700 gallons
11	770 gallons
12	840 gallons

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual solvent usage limitation shall be based upon a rolling, 12-month summation of the solvent usage figures.

**C. Monitoring and/or Record Keeping Requirements**

- 1. The permittee shall monitor the hoist speed as described below:
  - a. the permittee shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute);
  - b. the permittee shall conduct monthly monitoring of the hoist speed. If after the first year, no exceedances of the hoist speed are measured, the permittee may begin monitoring the hoist speed quarterly;
  - c. if an exceedance of the hoist speed occurs during quarterly monitoring, the permittee shall return to a monthly monitoring frequency until another year of compliance without an exceedance is demonstrated; and
  - d. if the permittee can demonstrate to the satisfaction of the Ohio EPA Northeast District Office in the initial compliance report that the hoist speed cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance.
- 2. The permittee shall maintain the following records in written or electronic form for the lifetime of the solvent cleaning machine:
  - a. owner's manuals, or if not available, written maintenance and operating procedures for the solvent cleaning machine and control equipment;
  - b. the date of installation for the solvent cleaning machine and all of its control devices. If the exact date for the installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted; and

- c. records of the halogenated HAP solvent content for the solvent used in the solvent cleaning machine.
  3. The permittee shall maintain the following records in written or electronic form for a period of five years for the solvent cleaning machine:
    - a. the results of control device monitoring required in this section of the permit;
    - b. information on the actions taken to comply with 40 CFR 63.463 (e) and (f), including records of written or verbal orders for replacement parts, a description of the repair made, and additional monitoring conducted to demonstrate that monitored parameters have returned to acceptable levels;
    - c. estimates of annual trichloroethylene consumption for the solvent cleaning machine; and
    - d. estimates of annual trichloroethylene waste removed from the solvent cleaning machine.
  4. The permittee shall conduct monitoring and record the results on a weekly basis for the freeboard refrigeration device by using a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.
  5. The permittee shall maintain monthly records of the following information:
    - a. The solvent usage for each month.
    - b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling 12-month summation of the solvent usage figures.
- Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative solvent usage for each calendar month.

**D. Reporting Requirements**

1. The permittee shall submit an initial statement of compliance no later than 150 days of startup. Each initial statement of compliance shall contain the following:
  - a. The name and address of the permittee.
  - b. The address (i.e., physical location) of the solvent cleaning machine.
  - c. A brief description of the solvent cleaning machine type, solvent/air interface area, and existing controls.
  - d. The date of installation for each solvent cleaning machine or a letter certifying that the solvent cleaning machine and its control devices were installed prior to, or after, November 2, 1993.
  - e. The anticipated compliance approach for the solvent cleaning machine.
  - f. An estimate of the annual trichloroethylene consumption for the solvent cleaning machine.
2. The permittee shall submit an initial notification report as soon as practicable before the construction or reconstruction is planned to commence. This report shall include all of the information required in 40 CFR 63.5 (d)(1) of Subpart A, with the following revisions and additions:
  - a. The report shall include a brief description of the solvent cleaning machine type (batch vapor, batch cold, vapor in-line, or cold in-line), solvent/air interface area, and existing controls.
  - b. The report shall include the anticipated compliance approach for the solvent cleaning machine.
  - c. The report shall include an estimate of the trichloroethylene consumption for the solvent cleaning machine in lieu of the requirements of 40 CFR 63.5(d)(1)(ii)(H), Subpart A.
3. The permittee shall submit an annual report by February 1 of each year for the preceding year. Each annual report shall contain the following:
  - a. a signed statement from the facility owner or their designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required pursuant to 40 CFR Part 60.463(d)(10)"; and
  - b. an estimate of solvent consumption during the reporting period.
4. The permittee shall submit an exceedance report on a semiannual basis. If the temperature of the chilled air blanket, measured at the center of the air blanket, was greater than 30% of the solvent's boiling point and no correction was made within 15 days of detection, the permittee shall begin to submit a quarterly report until such time that the permittee requests and receives approval of a less frequent reporting frequency from the Ohio EPA Northeast District Office. The permittee may receive approval of less frequent reporting if the following conditions are met: (1) The emissions unit has demonstrated a full year of compliance without an exceedance, (2) the permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in 40 CFR 63.1, General Provisions, and (3) the Ohio EPA Northeast District Office does not object to a reduced frequency of reporting for the affected emissions unit as provided in paragraph (e)(3)(iii) of Subpart A, 40 CFR 63.1, General Provisions. Each exceedance report shall be delivered or post marked by the 30th day following the reporting period. Each exceedance report shall contain the following:
  - a. The reason and a description of the exceedance and action(s) taken to comply with 40 CFR 63.463 (e) and (f) including written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to acceptable level; and
  - b. If no exceedance has occurred, a statement to that effect shall be submitted.

- 5. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative solvent usage levels.

**E. Testing Requirements**

- 1. Emission Limit:

Emissions of volatile organic compounds (trichloroethylene) shall not exceed 5.1 tons per rolling 12-month period.

Applicable Compliance Method:

To determine the actual volatile organic compound emission rate, the following equation shall be used:

$$E = (Ls - Lw) \times D / 2000$$

Where:

E = organic compound emission rate (tons/year);

Ls = liquid volume of cleaning solvent employed each year (gallons);

Lw = liquid volume of cleaning solvent sent off-site as waste (gallons); and

D = density of cleaning solvent (pounds/gallon).

- 2. It is not required that the permittee determine the potential to emit for emissions unit L003 using the equation found in 40 CFR 63.465 since this permit is limiting potential emissions to 5.1 tons VOC per rolling 12-month period.

**F. Miscellaneous Requirements**

- 1. All volatile organic compounds (VOCs) emitted from this source (emissions unit L003) are hazardous air pollutants (HAPs) as defined in Section 112(b) of the Clean Air Act.

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Facility ID: 0247030559 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

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

**Part II - Special Terms and Conditions**

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- 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>
Decorative trivalent chromium electroplating line	40 CFR Part 63, Subpart N  OAC rule 3745-17-07(B)(1) OAC rule 3745-17-08(B)	The permittee shall employ a wetting agent in the trivalent chromium bath. See A.I.2.a and A.I.2.b below.

**2. Additional Terms and Conditions**

- (a) The wetting agent must be an ingredient in the trivalent chromium bath components purchased from vendors or the wetting agent and the trivalent chromium bath components must be purchased from the same vendor.  
If a wetting agent is not employed, the trivalent chromium electroplating tank shall be subject to the requirements of 40 CFR 63.342(d) of 40 CFR Part 63, Subpart N. Compliance with the new applicable emission limitation shall be demonstrated within one year of switching bath operations.

**B. Operational Restrictions**

- 1. None

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall maintain records of the bath components purchased, with the wetting agent clearly identified as a bath constituent contained in one of the components. These records shall be maintained at the facility for a period of five years.

**D. Reporting Requirements**

1. Within 30 days of a change to the trivalent chromium electroplating process, the permittee shall submit a report that includes:
  - a. A description of the manner in which the process has been changed and the emission limitation, if any, now applicable to the affected emissions unit.
  - b. The notification and reporting requirements of paragraphs (d), (e), (f), (g), and (h) of Section 63.347 of 40 CFR Part 63, Subpart N.

**E. Testing Requirements**

1. None

**F. Miscellaneous Requirements**

1. None