

Facility ID: 0243010156 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 L007](#)
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Facility ID: 0243010156 Emissions Unit ID: K001 Issuance type: Final State Permit To Operate

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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>
Binks conveyORIZED spray coating line with DeVilbiss spray guns; for clear coating of musical instruments	OAC Rule 3745-21-09(U)(1)(a)	4.3 lbs of volatile organic compounds (VOCs) per gallon of coating, excluding water and exempt solvents, as applied

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 each day for this emissions unit:
 - a. the name and identification number of each coating employed, as applied;
 - b. the VOC content of each coating, excluding water and exempt solvents, as applied, in lbs/gallon;
 - c. the volume of each coating, excluding water and exempt solvents, as applied, in gallons;
 - d. the total volume of coating, excluding water and exempt solvents, as applied, in gallons (summation of c); and
 - e. the daily, volume-weighted average VOC content of all coatings employed, as applied, in lbs/gallon [summation of (b x c) / d].

D. Reporting Requirements

1. The permittee shall notify the Northeast District Office of Ohio EPA (NEDO) in writing of any daily record showing that the daily volume-weighted average VOC content exceeds the applicable limitation. The notification shall include a copy of such record and shall be sent to NEDO within 45 days after the exceedance occurs.

E. Testing Requirements

1. USEPA Method 24 or 24A shall be used to determine the VOC content for all coatings employed in this emissions unit. If, pursuant to section 4.3 of Method 24, 40 CFR, Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of USEPA and shall use formulation data for that coating to demonstrate compliance until USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

F. Miscellaneous Requirements

1. None

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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 batch cold cleaner using "BIOACT 45" organic cleaner	OAC Rule 3745-31-05(A)(3) (PTI 02-2064)	Emissions of volatile organic compounds (VOCs) from this emissions unit shall not exceed 3.62 lbs/hr or 3.77 TPY.
	OAC Rule 3745-21-09(O)	See section A.I.2.

2. Additional Terms and Conditions

- (a) Pursuant to OAC Rule 3745-21-09(O)(2), the following cleaning systems, controls, and work practices shall be employed to control VOC emissions from this emissions unit:
 - i. The cold cleaner shall be operated with a cover, and if the solvent has a vapor pressure greater than 0.3 pound per square inch absolute, measured at 100 degrees Fahrenheit or, if the solvent is heated or agitated, the cover shall be designed and constructed so that it can be easily operated with one hand.
 - ii. The cold cleaner shall be equipped with a device for draining the cleaned parts; and if the solvent has a vapor pressure greater than 0.6 pound per square inch absolute, measured at 100 degrees Fahrenheit, the drainage facility shall be constructed internally so that parts are enclosed under the cover during draining, unless an internal type drainage device cannot fit into the cleaning system.
 - iii. A freeboard ratio of greater than or equal to 0.7 shall be maintained.

B. Operational Restrictions

1. Pursuant to OAC Rule 3745-21-09(O)(2), the cold cleaner shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:
 - a. provide a permanent, legible, conspicuous label, summarizing the operating requirements;
 - b. store waste solvent in covered containers;
 - c. close the cover whenever parts are not being handled in the cleaner;
 - d. drain the cleaned parts until dripping ceases;
 - e. if used, supply a solvent spray that is a solid fluid stream (not a fine, atomized, or shower-type spray) at a gauge pressure that does not exceed 10 pounds per square inch; and
 - f. clean only materials that are neither porous nor absorbent.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information relative to the operation and maintenance of this emissions unit:
 - a. the name and identification number of each type of solvent employed in this open top cold cleaner machine;
 - b. the VOC content of each solvent employed, in lbs/gallon;
 - c. the vapor pressure of each solvent, in pounds per square inch absolute, measured at 100 degrees Fahrenheit;
 - d. the total number of hours of operation for this emissions unit;
 - e. the volume of each solvent employed in this cold cleaning system (i.e., the volume of organic cleaning

solvent added to the tank each month to "make-up" for solvent lost from the initial volume of solvent in the tank by evaporation or disposed of as waste/spent solvent), in gallons;

f. the volume of waste/spent solvent for each type of solvent removed from this emissions unit, in gallons;

g. the total monthly VOC emissions, in lbs [summation of {b x (e - f)} for all solvents employed]; and

h. the average hourly VOC emission rate, in lbs/hr (g / d).

D. Reporting Requirements

1. The permittee shall submit an annual report which summarizes the data recorded in section C.1. of these terms and conditions. This report shall be submitted to the Northeast District Office of Ohio EPA by February 15 of each year and shall cover the previous calendar year.
2. The permittee shall submit deviation (excursion) reports identifying each month during which the average hourly VOC emissions exceeded the hourly VOC emission limitation (3.62 lbs/hr).

E. Testing Requirements

1. Compliance with the emission limitations in section A.I. of these terms and conditions shall be determined in accordance with the following methods:
 Emission Limitation:
 3.62 lbs of VOC/hr

 Applicable Compliance Method:
 Compliance with the above hourly VOC emission limitation shall be based upon the record keeping specified in section C.1. of these terms and conditions.
 Emission Limitation:
 3.77 TPY of VOC

 Applicable Compliance Method:
 Compliance with the above annual VOC emission limitation shall be based upon the record keeping specified in section C.1. of these terms and conditions and shall be the sum of the monthly VOC emissions for the calendar year.

F. Miscellaneous Requirements

1. None

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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>
various instrument buffing and polishing machines controlled by cyclones (primary control) and a baghouse (secondary control)	OAC Rule 3745-17-11(B)(1)	0.551 lb of particulate emissions/hr
	OAC Rule 3745-17-07(A)(1)	Visible particulate emissions from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 4 inches of water column at all times 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 calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. The permittee shall collect and record the pressure drop across the baghouse once each day that the emissions unit is in operation.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with allowable range specified above, as well as the corrective actions that were taken to achieve compliance.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:
0.551 lb of particulate emissions/hr

Applicable Compliance Method:
Compliance with the above hourly particulate emission limitation shall be determined by the following equation, or, if required, by testing conducted using the method specified in OAC rule 3745-17-03(B)(10):

$$E = P \times (1 - CE)$$

where:

E = hourly emission rate, in lbs/hr;
P = maximum amount of polishing material employed (20.75 lbs/hr); and
CE = fractional control efficiency of the control equipment (0.99).

Emission Limitation:
Visible particulate emissions from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:
If required, compliance with the above visible particulate emission limitation shall be determined by the method specified in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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Facility ID: 0243010156 Emissions Unit ID: P006 Issuance type: Final State Permit To Operate

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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>
asphalt-resin melting oven controlled by an afterburner	OAC Rule 3745-17-11(B)(1) OAC Rule 3745-17-07(A)(1)	0.551 lb of particulate emissions/hr Visible particulate emissions from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

2. Additional Terms and Conditions

- (a) The hourly particulate emission limitation is greater than the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure

compliance with this limitation.

B. Operational Restrictions

1. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1,100 degrees Fahrenheit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall install (within 90 days of issuance of this permit), operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature, in degrees Fahrenheit, within the thermal incinerator when the emissions unit is in operation. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations.

The permittee shall collect and record the following information for each day for the thermal incinerator serving this emissions unit: all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1,100 degrees Fahrenheit.

D. Reporting Requirements

1. The permittee shall notify the Northeast District Office of Ohio EPA (NEDO) in writing of any daily record showing any 3-hour block of time during which the average combustion temperature within the thermal incinerator did not comply with the temperature restriction specified above. The notification shall include a copy of such record and shall be sent to NEDO within 30 days after the exceedance occurs.

E. Testing Requirements

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

Emission Limitation:
0.551 lb of particulate emissions/hr

Applicable Compliance Method:

Compliance with the above hourly particulate emission limitation shall be determined by the following equation, or, if required, by testing conducted using the method specified in OAC rule 3745-17-03(B)(10):

$$E = R \times EF \times (1 - CE)$$

where:

E = hourly emission rate, in lbs/hr;

R = maximum amount of asphalt resin melted, in tons/hr;

EF = emission factor of 4.9 lbs of emissions per ton of asphalt resin melted (from AIRS Facility Subsystem, March 1990, EPA Doc. # 450/4-90-003); and

CE = fractional control efficiency of the control equipment (0.99).

Emission Limitation:

Visible particulate emissions from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance with the above visible particulate emission limitation shall be determined by the method specified in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None

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Facility ID: 0243010156 Emissions Unit ID: P009 Issuance type: Final State Permit To Operate

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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>
hard chrome plating line with vertical moisture extractor and composite mesh-pad controls	OAC Rule 3745-31-05(A)(3) (PTI 02-2064)	The requirements of this rule are equal in stringency to the requirements of 40 CFR 63.342(c)(1)(ii).
	40 CFR, Part 63, Subpart N	The maximum concentration of total chromium in the exhaust gas stream from this emissions unit shall not exceed 0.03 mg/dscm (0.000013 grains/dscf).
	OAC Rule 3745-17-11(B)(1)	See section A.2.a. The particulate emission limitation established in this rule is less stringent than the limitation established pursuant to OAC Rule 3745-31-05(A)(3). (Chromium is the only particulate emission from this emissions unit.)
	OAC Rule 3745-17-07(A)(1)	Visible particulate emissions from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.
2. Additional Terms and Conditions		
(a) The permittee shall utilize a combination of chemical fume suppressants and a composite mesh-pad mist eliminator to effectively reduce and control emissions of chromium to within the limitation specified in 40 CFR 63.342.		
B. Operational Restrictions		
1. At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain any chromium electroplating or anodizing tank, including associated air pollution control devices and monitoring equipment, in a manner consistent with the operation and maintenance (O & M) plan required by these terms and conditions.		
2. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the O & M plan.		
3. Determination of whether acceptable O & M procedures are being used will be based on information available to the Northeast District Office of Ohio EPA (NEDO), which may include, but is not limited to, monitoring results, review of the O & M plan, procedures, and records, and inspection of the emissions unit. Based upon this information, NEDO may require that the permittee make changes to the O & M plan, if that plan:		
a. does not address a malfunction that has occurred;		
b. fails to provide for the operation of the emissions unit, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution practices; or		
c. does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable.		
4. The permittee shall maintain an O & M plan which shall include the following elements:		
a. The plan shall specify the O & M criteria for the affected emissions unit, the add-on air pollution control device (if such a device is used to comply with the emission limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the O & M of the equipment.		
b. The O & M plan shall incorporate the following work practice standards:		
i. Visually inspect the device at least once per quarter to ensure there is proper drainage, no chromic acid buildup on the pads, and no evidence of chemical attack on the structural integrity of the device.		
ii. Visually inspect at least once per quarter the back portion of the mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist.		
iii. Visually inspect at least once per quarter the ductwork from tank to the control device to ensure there are no leaks.		
iv. Perform washdown of the composite mesh-pads in accordance with the manufacturer's recommendations.		
If a pitot tube is used for monitoring, the O & M plan shall incorporate the following work practice standards to be performed at least once per quarter:		
i. Backflush with water, or remove from the duct and rinse with fresh water.		
ii. Replace in the duct and rotate 180 degrees to ensure that the same zero reading is obtained.		
iii. Check pitot tube ends for damage. Replace pitot tube if cracked or fatigued.		
If a stalagmometer is used for monitoring, follow the manufacturer's recommendations.		
c. The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur.		
5. The pressure drop of the composite mesh-pad system shall be maintained within a range of 0.9 to 3.5 inches of water column at all times while the emissions unit is in operation.		
C. Monitoring and/or Record Keeping Requirements		

1. Monitoring requirements to demonstrate compliance using a composite mesh-pad control system are as follows:

The permittee shall monitor and record the pressure drop across the composite mesh-pad system once each day that the emissions unit is operating.
 2. Monitoring requirements to demonstrate continuous compliance using wetting agent-type or combination wetting agent-type/foam blanket fume suppression controls are as follows:

The permittee shall monitor the surface tension of the electroplating or anodizing bath. Operation of the affected emissions unit at a surface tension greater than 45 dynes/cm shall constitute noncompliance with the standards.
The surface tension shall be monitored according to the following schedule:

 - i. The surface tension shall be measured once every four hours during operation of the tank with a stalagmometer or a tensiometer as specified in Method 306B of 40 CFR, Part 63, Subpart N.
 - ii. The time between monitoring can be increased if there have been no exceedances. The surface tension shall be measured once every four hours of tank operation for the first 40 hours of tank operation after the compliance date. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 8 hours of tank operation. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 40 hours of tank operation on an ongoing basis, until an exceedance occurs. The minimum frequency of monitoring allowed is once every 40 hours of tank operation.
 - iii. Once an exceedance occurs, as indicated through surface tension monitoring, the original monitoring schedule of once every four hours must be resumed. A subsequent decrease in frequency shall follow the schedule in paragraph (ii) above.
 - iv. Once a bath solution is drained from the affected tank and a new solution added, the original monitoring schedule of once every four hours must be resumed, with a decrease in monitoring frequency allowed as in paragraph (ii) above.
 3. The permittee shall fulfill all record keeping requirements in the General Provisions to 40 CFR, Part 63, according to the applicability of Subpart A.
 4. The permittee shall also maintain the following records:
 - a. Inspection records for the add-on air pollution control device, if such a device is used, and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of this permit have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection.
 - b. Records of all maintenance performed on the emissions unit, add-on air pollution control device, and monitoring equipment.
 - c. Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control device, and monitoring equipment.
 - d. Records of actions taken during periods of malfunction when such actions are inconsistent with the O & M plan.
 - e. Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the O & M plan.
 - f. Test reports documenting results of all performance tests.
 - g. All measurements as may be necessary to determine the conditions of performance tests.
 - h. Records of monitoring data that are used to demonstrate compliance with the standard including the date and time the data are collected.
 - i. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control device, or monitoring equipment.
 - j. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control device, or monitoring equipment.
 - k. The total process operating time of the emissions unit during the reporting period.
 - l. All documentation supporting the notifications and reports as outlined in section D of this permit and 40 CFR 63.9 and 63.10.
 - m. Records of the actual cumulative rectifier capacity of hard chrome electroplating tanks expended during each month of the reporting period, and the total capacity expended to date for a reporting period.
 - n. Records of the date and time that fume suppressants are added to the electroplating or anodizing bath.
- D. Reporting Requirements**
1. The permittee shall fulfill all reporting requirements as outlined in 40 CFR, Part 63, Subpart A. These reports shall be made to NEDO and shall be sent by U.S. mail, fax or by another courier.
 - a. Submittals sent by U.S. mail shall be postmarked on or before the specified date.
 - b. Submittals sent by other methods shall be received by NEDO on or before the specified date.

2. The permittee shall prepare an ongoing compliance status report semiannually (unless a request to reduce frequency of ongoing compliance status reports has been approved) to NEDO to document the ongoing compliance status of the emissions unit. This report shall include the following:
 - a. The company name and address of the emissions unit.
 - b. An identification of the operating parameter that is monitored for compliance determination.
 - c. The relevant emission limitation for the emissions unit, and the operating parameter value, or range of values, that correspond to compliance with this emission limitation as specified in the Notification of Compliance Status.
 - d. The beginning and ending dates of the reporting period.
 - e. The total operating time of the emissions unit during the reporting period.
 - f. A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total emissions unit operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes.
 - g. A certification by a responsible official that the work practice standards in this permit were followed in accordance with the O & M plan for the emissions unit.
 - h. If the O & M plan required by this permit was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the reports required by the work practices in this permit.
 - i. A description of any changes in monitoring, processes, or controls since the last reporting period.
 - j. The name, title, and signature of the responsible official who is certifying the accuracy of the report.
 - k. The date of the report.
 - l. The actual cumulative rectifier capacity expended during the reporting period, on a month-by-month basis.
 - m. The report shall be submitted semiannually except when:
 - i. NEDO has determined that more frequent reporting is necessary to accurately assess the compliance status of the emissions unit; or
 - ii. The monitoring data collected by the permittee show that the emission limit has been exceeded, in which case quarterly reports shall be submitted. Once an exceedance is reported, ongoing compliance status reports shall be submitted quarterly until a request to reduce reporting frequency is approved.
3. The permittee shall submit semiannual reports if the following conditions are met:
 - a. the total duration of excess emissions is one percent or greater of the total operating time for the reporting period; and
 - b. the total duration of malfunctions of the add-on air pollution control device and monitoring equipment is 5 percent or greater of the total operating time.
4. Once the permittee reports an exceedance, ongoing compliance status reports shall be submitted semiannually until a request to reduce reporting frequency is approved.
5. NEDO may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the emissions unit.
6. The permittee who is required to submit ongoing compliance status reports on a semiannual (or more frequent) basis, or is required to submit its annual report instead of retaining it on site, may reduce the frequency of reporting to annual and/or be allowed to maintain the annual report on site if all of the following conditions are met:
 - a. For 1 full year (e.g., 4 quarterly or 12 monthly reporting periods), the ongoing compliance status reports demonstrate that the affected emissions unit is in compliance with the relevant emission limit.
 - b. The permittee continues to comply with all applicable record keeping and monitoring requirements of 40 CFR, Part 63, Subpart A and others listed in this permit.
 - c. NEDO does not object to reduced reporting for the affected emissions unit and if the following requirements are met:
 - i. The permittee notifies NEDO in writing of its intention to make such a change, and NEDO does not object to the intended change. In deciding whether to approve a reduced reporting frequency, NEDO may review information concerning the facility's entire previous performance history during the 5-year record keeping period prior to the intended change, or the record keeping period since the facility's compliance date, whichever is shorter. Records subject to review may include performance test results, monitoring data, and evaluations of a permittee's conformance with emission limitations and work practice standards. If the request is disapproved, the permittee will be notified in writing within 45 days after NEDO receives notice of the permittee's intention. The notification will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.
 - ii. As soon as the monitoring data show that the facility is not in compliance with the relevant emission limit, the frequency of reporting shall revert to quarterly, and the permittee shall state this exceedance in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the permittee may again request approval to reduce the reporting frequency.

7. The permittee shall submit a notification of construction or reconstruction as soon as practicable before the construction or reconstruction has commenced to NEDO which includes the following:
 - a. The permittee's name, title, and address.
 - b. The address (i.e., physical location) or proposed address of the affected emissions unit if different from the permittee's.
 - c. A notification of intention to construct or make any physical or operational changes to an affected emissions unit that may meet or has been determined to meet the criteria for a reconstruction as defined in 40 CFR 63.2.
 - d. An identification of 40 CFR, Part 63, Subpart N as the basis for the notification.
 - e. The expected commencement and completion dates of the construction or reconstruction.
 - f. The anticipated date of (initial) startup.
 - g. The type of process operation to be performed (hard or decorative chromium electroplating or chromium anodizing).
 - h. A description of the air pollution control technique to be used to control emissions, such as preliminary design drawings and design capacity if an add-on air pollution control device is used.
 - i. An estimate of emissions based on engineering calculations and vendor information on control device efficiency, expressed in units consistent with the emissions limits of 40 CFR, Part 63, Subpart N. Calculations of emission estimates should be in sufficient detail to permit assessment of the validity of the calculations.
8. If a reconstruction is to occur, the permittee shall submit as soon as practicable the following information to NEDO:
 - a. A brief description of the affected emissions unit and the components to be replaced.
 - b. A brief description of the present and proposed emission control technique.
 - c. An estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new emissions unit.
 - d. The estimated life of the affected emissions unit after the replacements.
 - e. A discussion of any economic or technical limitations the emissions unit may have in complying with relevant standards or other requirements after proposed replacements. The discussion shall be sufficiently detailed to demonstrate to NEDO's satisfaction that the technical or economic limitations affected the emissions unit ability to comply with the relevant standard and how they do so.
9. The permittee shall report to NEDO the results of any performance test conducted. The report shall be submitted no later than 90 days following the completion of the performance test, and shall be submitted as part of the notification of compliance status report required by this section.

E. Testing Requirements

1. Emissions Limitation:

The maximum concentration of total chromium in the exhaust gas stream from this emissions unit shall not exceed 0.03 mg/dscm (0.000013 grains/dscf).

Applicable Compliance Method:
Performance tests were conducted on November 9, 1999 with results showing an average chromium emission rate of 0.0000000678 gr/dscf for this emissions unit. If required, additional performance testing shall be conducted in accordance with the test methods and procedures specified in 40 CFR, Part 63, Subpart N. Ongoing compliance shall be based upon the established operating parameters for the pressure drop across the composite mesh-pad emission control system.
2. Emission Limitation:

Visible particulate emissions from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:
If required, compliance with the above visible particulate emission limitation shall be determined by the method specified in OAC rule 3745-17-03(B)(1).

F. Miscellaneous Requirements

1. None