Facility ID: 1677010652 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.

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Go to Part II for Emissions Unit P003

Facility ID: 1677010652 Emissions Unit ID: P002 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
existing, 5000 ampere maximum DC generator capacity, hard-chrome electroplating tank controlled by a composite mesh-pad system	40 CFR Part 63, Subpart N	During tank operation the permittee of an existing affected emissions unit shall control chromium emissions discharged to the atmosphere from that affected emissions unit by not allowing the concentration of total chromium in the exhaust gas discharged to the atmosphere to exceed 0.03 mg/dscm (1.3x10^-5 gr/dscf) per tank.
	OAC rule 3745-17-07	See A.2.a below.
	OAC rule 3745-17-11	0.551 lb/hr of particulates

2. **Additional Terms and Conditions**

   (a) Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
   The permittee shall comply with all applicable sections of 40 CFR Part 63, Subpart N.

B. **Operational Restrictions**

1. The permittee shall prepare an operation and maintenance plan (O&M) to be implemented no later than the compliance date. The plan shall include the following elements:

   a. the O&M shall specify the operation and maintenance criteria for the affected emissions unit, the add-on air pollution control devices (if such devices are used to comply with the emissions limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of the equipment; and

   b. the O&M shall shall incorporate the following work practice standards:

   i. visually inspect at least once per quarter the composite mesh-pad device 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 ductwork from the tank to the control device to ensure there are no leaks;

   iii. 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; and

   iv. perform washdown of the composite mesh-pads in accordance with the manufacturer's recommendations.

2. At all times, including periods of startup, shutdown, and malfunction, the affected emissions unit must be operated and maintained consistent with the O&M required under these terms and conditions. The affected emissions unit includes associated air pollution control devices and monitoring equipment.

3. Malfunctions shall be corrected as soon as practicable and in accordance with the O&M.

4. If found to be deficient, the O&M shall be revised to the satisfaction of the Akron Regional Air Quality

Management District (ARAQMD). The O&M shall also be revised if it fails to adequately address a malfunction event within 45 days of its occurrence. If the actions taken during the periods of malfunction were not those specified in the O&M, the permittee shall record the alternate actions taken and report them to the Administrator and ARAQMD within 2 working days after commencing these actions. The report shall be followed by a letter within 7 working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with ARAQMD.

5. Pressure drop across the composite mesh-pad system, whenever the emissions unit is in operation, shall be maintained in a pressure drop range as established during the initial performance test (scheduled for 4/1/99), providing the performance test demonstrates the emissions unit to be in compliance with the applicable chromium emission limitation standard. The established allowable pressure drop range shall be equivalent to the average of the pressure drops from at least three accepted test runs, plus or minus 1.0 inch of water column, or compliant pressure drop values established during multiple performance tests.

6. The standards that apply to chromic acid baths shall not be met by using a reducing agent to change the form of chromium from hexavalent to trivalent.

7. The permittee shall operate the composite mesh-pad system while this emissions unit is in operation.

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

1. The permittee shall fulfill all applicable record keeping requirements of 40 CFR Part 63, Subpart A.

2. The permittee also shall maintain the following records:

a. inspection records for the add-on air pollution control devices, if such devices are 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 devices inspected, the date of inspection, a brief description of the working condition of the devices 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 devices, and monitoring equipment including the frequency of mesh pad cleaning and replacement;

c. records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control devices, and monitoring equipment;

d. records of actions taken during periods of malfunction when such actions are inconsistent with the O&M;

e. other records, which may take the form of checklists, necessary to demonstrate consistence with the provisions of the O&M;

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 devices, 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 devices, 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 the reporting requirements of this permit and sections 63.9 and 63.10 of 40 CFR Part 63, Subpart A; and

m. records of the actual combined DC generator capacity of all hard chromium electroplating tanks expended during each month of the reporting period, and the total capacity expended to date for a reporting period.

3. The O&M shall be retained on site and be made available to the Director (appropriate District Office or local air agency) during the life of the affected emissions unit or until the unit is no longer subject to this rule. If the O&M is revised, the superseded versions shall be maintained for inspection for 5 years following each revision to the plan.

4. All records shall be maintained for a period of 5 years.

5. Pursuant to the compliance schedule the permittee has committed to, the permittee shall properly install, calibrate, operate, and maintain, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), equipment to monitor the pressure drop across the composite mesh-pad system while the emissions unit is in operation. The permittee shall record the pressure drop across the composite mesh-pad system on a daily basis.

6. Pursuant to the compliance schedule the permittee has committed to, the permittee shall properly install, calibrate, operate, and maintain, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), equipment, including non-resettable meters, to monitor the actual ampere-hour usage for the emissions unit.

7. The permittee shall maintain monthly records of combined ampere-hour usage from all hard chrome electroplating tanks at the facility in accordance with the following requirements:

a. During the first 12 calendar months of operation following the date the facility demonstrates compliance with the applicable emission standards of 40 CFR Part 63, Subpart N, the permittee shall record the cumulative

ampere-hour usage rate for each calendar month.

b. Beginning after the first 12 calendar months of operation following the date the facility demonstrates compliance with the applicable emission standards of 40 CFR Part 63, Subpart N, the permittee shall record the rolling, 12-month summation of the ampere-hour usage rates.

D. **Reporting Requirements**

1. The permittee shall comply with all applicable reporting requirements of 40 CFR Part 63, Subpart A. These reports shall be made to the ARAQMD.

2. The permittee shall submit a Notification of Compliance Status to the appropriate Ohio EPA District Office or local air agency 30 days after the performance test is completed, signed by the responsible official who shall certify its accuracy, attesting to whether the affected emissions unit is in compliance. The notification shall list for the affected emissions unit:

   a. the applicable emissions limitations and the methods that were used to determine compliance with this limitation;

   b. if an initial performance test is required, the test report documenting the results of the performance test, which includes the elements required in the test requirements section of this permit;

   c. the type and quantity of hazardous air pollutants emitted by the emissions unit reported in mg/dscm or mg/hr if the emissions unit is using the special provisions for an emissions unit with multiple emission points controlled by a common add-on air pollution control device (for emissions units not required to conduct a performance test, the surface tension measurement may fulfill this requirement);

   d. for each monitored parameter for which a compliant value was established, the specific operating parameter value, or range of values, that corresponds to compliance with the applicable emission limit;

   e. the methods that will be used to determine continuous compliance

   f. a description of the air pollution control technique used for each emission point;

   g. a statement that the permittee has completed and has on file the O&M, as required by the work practice standards;

   h. a statement by the permittee as to whether the emissions unit is in compliance; and

   i. records to support that the facility is small (Records from any 12-month period preceding the compliance date shall be used or a description of how operations will change to meet a small designation shall be provided.).

3. The permittee shall prepare an ongoing compliance status report annually (unless a request to reduce frequency of ongoing compliance status reports has been approved) to the appropriate Ohio EPA District Office or local air agency 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 required by this section;

   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 for the emissions unit;

   h. if the O&M 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; and

   l. the actual cumulative DC generator capacity expended during the reporting period, on a month-by-month basis.

4. The permittee shall submit semiannual ongoing compliance status reports, until a request to reduce reporting frequency is approved, if either of the following conditions are met:

   a. the permittee reports an exceedance; or

   b. the total duration of excess emissions is one percent or greater of the total operating time for the reporting period, and the total duration of malfunctions of the add-on air pollution control device(s) and monitoring equipment is 5 percent or greater of the total operating time.

E. **Testing Requirements**

1. Compliance with the emission limitations in sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

0.551 lb/hr of particulates

Applicable Compliance Method:

If required, compliance shall be demonstrated through testing performed in accordance with Method 5 of 40 CFR 60, Appendix A, and the procedures specified in OAC rule 3745-17-03.
Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in OAC rule 3745-17-03.
Emission Limitation:

0.03 mg/dscm of total chromium compounds

Applicable Compliance Method:

The permittee shall demonstrate continuous compliance with the above emission limit by conducting monitoring according to the type of air pollution control technique(s) used. The permittee shall comply with the requirements of section 63.343(c)(1) of Subpart N when using a composite mesh-pad system.

2. The permittee shall conduct, or have conducted, an initial performance test for this emissions unit in accordance with the following requirements:

a. The initial performance test shall be conducted no later than May 3, 1999, weather permitting, in accordance with the compliance schedule the permittee has committed to.

b. The initial performance test shall be conducted to demonstrate compliance with the applicable total chromium compound emission limitation and also to establish site-specific operating parameters for the add-on air pollution control equipment.

c. The initial performance test shall be conducted in accordance with Method 306 or 306A of 40 CFR Part 63, Appendix A, and the methods and procedures listed in section 63.344 of Subpart N and in section 63.7 of Subpart A. Sample time and sample volume for each run of Methods 306 and 306A shall be at least 120 minutes and 60 dscf, respectively. During the performance testing, the pressure drop across the composite mesh-pad system shall be monitored and recorded for each run of Methods 306 and 306A and results later published in the "Report of Performance Test Results".

d. The initial performance test shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
e. Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test.

f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information regarding the emissions unit and control equipment operating parameters.

g. A comprehensive written report on the results of the initial performance test (i.e., "Report of Performance Test Results"), containing the information required by sections 63.344(a)(1) through (a)(9), shall be submitted as part of the "Notification of Compliance Status Report", as required under section D.2 above, to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test.

3. Special Compliance Provisions:

The permittee shall demonstrate continuous compliance with the emission limits by conducting monitoring according to the type of air pollution control technique used. This permittee shall comply with requirements of section 63.343(c)(1) of Subpart N when using a composite mesh-pad system.

F. **Miscellaneous Requirements**

1. If records of combined actual ampere-hour usage from all hard chrome electroplating tanks at the facility show an exceedance of 60 million amp-hr/yr, then the facility is a large source facility and shall comply with the requirements of 40 CFR Part 63, Subpart N, section 63.342(c)(1)(i) no later than one year after the month in which the large designation is met.

Facility ID: 1677010652 Emissions Unit ID: P003 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
existing, 10000 ampere maximum DC generator capacity, hard-chrome electroplating tank controlled by a composite mesh-pad system	40 CFR Part 63, Subpart N	During tank operation the permittee of an existing affected emissions unit shall control chromium emissions discharged to the atmosphere from that affected emissions unit by not allowing the concentration of total chromium in the exhaust gas discharged to the atmosphere to exceed 0.03 mg/dscm (1.3x10^-5 gr/dscf) per tank.
	OAC rule 3745-17-07	See A.2.a below.
	OAC rule 3745-17-11	0.551 lb/hr of particulates

2. **Additional Terms and Conditions**

   (a) Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
   The permittee shall comply with all applicable sections of 40 CFR Part 63, Subpart N.

B. **Operational Restrictions**

1. The permittee shall prepare an operation and maintenance plan (O&M) to be implemented no later than the compliance date. The plan shall include the following elements:

   a. the O&M shall specify the operation and maintenance criteria for the affected emissions unit, the add-on air pollution control devices (if such devices are used to comply with the emissions limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of the equipment; and

   b. the O&M shall shall incorporate the following work practice standards:

   i. visually inspect at least once per quarter the composite mesh-pad device 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 ductwork from the tank to the control device to ensure there are no leaks;

   iii. 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; and

   iv. perform washdown of the composite mesh-pads in accordance with the manufacturer's recommendations.

2. At all times, including periods of startup, shutdown, and malfunction, the affected emissions unit must be operated and maintained consistent with the O&M required under these terms and conditions. The affected emissions unit includes associated air pollution control devices and monitoring equipment.

3. Malfunctions shall be corrected as soon as practicable and in accordance with the O&M.

4. If found to be deficient, the O&M shall be revised to the satisfaction of the Akron Regional Air Quality Management District (ARAQMD). The O&M shall also be revised if it fails to adequately address a malfunction event within 45 days of its occurrence. If the actions taken during the periods of malfunction were not those specified in the O&M, the permittee shall record the alternate actions taken and report them to the Administrator and ARAQMD within 2 working days after commencing these actions. The report shall be followed by a letter within 7 working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with ARAQMD.

5. Pressure drop across the composite mesh-pad system, whenever the emissions unit is in operation, shall be maintained in a pressure drop range as established during the initial performance test (scheduled for 4/1/99), providing the performance test demonstrates the emissions unit to be in compliance with the applicable chromium emission limitation standard. The established allowable pressure drop range shall be equivalent to the average of the pressure drops from at least three accepted test runs, plus or minus 1.0 inch of water column, or compliant pressure drop values established during multiple performance tests.

6. The standards that apply to chromic acid baths shall not be met by using a reducing agent to change the form of

chromium from hexavalent to trivalent.

7. The permittee shall operate the composite mesh-pad system while this emissions unit is in operation.

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

1. The permittee shall fulfill all applicable record keeping requirements of 40 CFR Part 63, Subpart A.

2. The permittee also shall maintain the following records:

a. inspection records for the add-on air pollution control devices, if such devices are 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 devices inspected, the date of inspection, a brief description of the working condition of the devices 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 devices, and monitoring equipment including the frequency of mesh pad cleaning and replacement;

c. records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control devices, and monitoring equipment;

d. records of actions taken during periods of malfunction when such actions are inconsistent with the O&M;

e. other records, which may take the form of checklists, necessary to demonstrate consistence with the provisions of the O&M;

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 devices, 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 devices, 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 the reporting requirements of this permit and sections 63.9 and 63.10 of 40 CFR Part 63, Subpart A; and

m. records of the actual combined DC generator capacity of all hard chromium electroplating tanks expended during each month of the reporting period, and the total capacity expended to date for a reporting period.

3. The O&M shall be retained on site and be made available to the Director (appropriate District Office or local air agency) during the life of the affected emissions unit or until the unit is no longer subject to this rule. If the O&M is revised, the superseded versions shall be maintained for inspection for 5 years following each revision to the plan.

4. All records shall be maintained for a period of 5 years.

5. Pursuant to the compliance schedule the permittee has committed to, the permittee shall properly install, calibrate, operate, and maintain, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), equipment to monitor the pressure drop across the composite mesh-pad system while the emissions unit is in operation. The permittee shall record the pressure drop across the composite mesh-pad system on a daily basis.

6. Pursuant to the compliance schedule the permittee has committed to, the permittee shall properly install, calibrate, operate, and maintain, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), equipment, including non-resettable meters, to monitor the actual ampere-hour usage for the emissions unit.

7. The permittee shall maintain monthly records of combined ampere-hour usage from all hard chrome electroplating tanks at the facility in accordance with the following requirements:

a. During the first 12 calendar months of operation following the date the facility demonstrates compliance with the applicable emission standards of 40 CFR Part 63, Subpart N, the permittee shall record the cumulative ampere-hour usage rate for each calendar month.

b. Beginning after the first 12 calendar months of operation following the date the facility demonstrates compliance with the applicable emission standards of 40 CFR Part 63, Subpart N, the permittee shall record the rolling, 12-month summation of the ampere-hour usage rates.

D. **Reporting Requirements**

1. The permittee shall comply with all applicable reporting requirements of 40 CFR Part 63, Subpart A. These reports shall be made to the ARAQMD.

2. The permittee shall submit a Notification of Compliance Status to the appropriate Ohio EPA District Office or local air agency 30 days after the performance test is completed, signed by the responsible official who shall certify its accuracy, attesting to whether the affected emissions unit is in compliance. The notification shall list for the affected emissions unit:

a. the applicable emissions limitations and the methods that were used to determine compliance with this limitation;

b. if an initial performance test is required, the test report documenting the results of the performance test, which includes the elements required in the test requirements section of this permit;

c. the type and quantity of hazardous air pollutants emitted by the emissions unit reported in mg/dscm or mg/hr if the emissions unit is using the special provisions for an emissions unit with multiple emission points controlled by a common add-on air pollution control device (for emissions units not required to conduct a performance test, the surface tension measurement may fulfill this requirement);

d. for each monitored parameter for which a compliant value was established, the specific operating parameter value, or range of values, that corresponds to compliance with the applicable emission limit;

e. the methods that will be used to determine continuous compliance

f. a description of the air pollution control technique used for each emission point;

g. a statement that the permittee has completed and has on file the O&M, as required by the work practice standards;

h. a statement by the permittee as to whether the emissions unit is in compliance; and

i. records to support that the facility is small (Records from any 12-month period preceding the compliance date shall be used or a description of how operations will change to meet a small designation shall be provided.).

3. The permittee shall prepare an ongoing compliance status report annually (unless a request to reduce frequency of ongoing compliance status reports has been approved) to the appropriate Ohio EPA District Office or local air agency 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 required by this section;

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 for the emissions unit;

h. if the O&M 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; and

l. the actual cumulative DC generator capacity expended during the reporting period, on a month-by-month basis.

4. The permittee shall submit semiannual ongoing compliance status reports, until a request to reduce reporting frequency is approved, if either of the following conditions are met:

a. the permittee reports an exceedance; or

b. the total duration of excess emissions is one percent or greater of the total operating time for the reporting period, and the total duration of malfunctions of the add-on air pollution control device(s) and monitoring equipment is 5 percent or greater of the total operating time.

E. **Testing Requirements**

1. Compliance with the emission limitations in sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

0.551 lb/hr of particulates

Applicable Compliance Method:

If required, compliance shall be demonstrated through testing performed in accordance with Method 5 of 40 CFR 60, Appendix A, and the procedures specified in OAC rule 3745-17-03.
Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A, and the procedures specified in OAC rule 3745-17-03.
Emission Limitation:

0.03 mg/dscm of total chromium compounds

Applicable Compliance Method:

The permittee shall demonstrate continuous compliance with the above emission limit by conducting monitoring according to the type of air pollution control technique(s) used. The permittee shall comply with the requirements of section 63.343(c)(1) of Subpart N when using a composite mesh-pad system.

2. The permittee shall conduct, or have conducted, an initial performance test for this emissions unit in accordance with the following requirements:

a. The initial performance test shall be conducted within 3 months of permit issuance, weather permitting, in accordance with the compliance schedule the permittee has committed to.

b. The initial performance test shall be conducted to demonstrate compliance with the applicable total chromium compound emission limitation and also to establish site-specific operating parameters for the add-on air pollution control equipment.

c. The initial performance test shall be conducted in accordance with Method 306 or 306A of 40 CFR Part 63, Appendix A, and the methods and procedures listed in section 63.344 of Subpart N and in section 63.7 of Subpart A. Sample time and sample volume for each run of Methods 306 and 306A shall be at least 120 minutes and 60 dscf, respectively. During the performance testing, the pressure drop across the composite mesh-pad system shall be monitored and recorded for each run of Methods 306 and 306A and results later published in the "Report of Performance Test Results".

d. The initial performance test shall be conducted under maximum production rates unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
e. Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test.

f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information regarding the emissions unit and control equipment operating parameters.

g. A comprehensive written report on the results of the initial performance test (i.e., "Report of Performance Test Results"), containing the information required by sections 63.344(a)(1) through (a)(9), shall be submitted as part of the "Notification of Compliance Status Report", as required under section D.2 above, to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test.

3. Special Compliance Provisions:

The permittee shall demonstrate continuous compliance with the emission limits by conducting monitoring according to the type of air pollution control technique used. This permittee shall comply with requirements of section 63.343(c)(1) of Subpart N when using a composite mesh-pad system.

F. **Miscellaneous Requirements**

1. If records of combined actual ampere-hour usage from all hard chrome electroplating tanks at the facility show an exceedance of 60 million amp-hr/yr, then the facility is a large source facility and shall comply with the requirements of 40 CFR Part 63, Subpart N, section 63.342(c)(1)(i) no later than one year after the month in which the large designation is met.