



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: October 1, 2009

Effective Date: November 1, 2009

Expiration Date: October 31, 2014

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 67-03096

Federal Tax Id - Plant Code: 71-0934351-3

Owner Information

Name: SOURIAU USA, INC.
Mailing Address: 25 GRUMBACHER RD
YORK, PA 17406

Plant Information

Plant: SOURIAU USA INC / GRUMBACHER RD
Location: 67 York County 67939 Manchester Township
SIC Code: 3678 Manufacturing - Electronic Connectors

Responsible Official

Name: ANN FAGAN
Title: MGR OF OPERATIONS
Phone: (717) 434 - 1119

Permit Contact Person

Name: IAN BAKER
Title: EHS COORDINATOR
Phone: (717) 718 - 2664

[Signature] _____
WILLIAM R WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER

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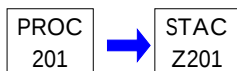
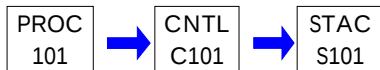
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	HARD CHROMIUM ELECTROPLATING TANK	5.000 Sq Ft / HR	CHROMIUM
201	REMOTE RESERVOIR COLD CLEANING MACHINE(S)	5.000 Lbs / HR	VOC
C101	COMPOSITE MESH-PAD SYSTEM		
S101	SOURCE ID 101 STACK		
Z201	SOURCE 201 FUGITIVE EMISSIONS		

PERMIT MAPS

SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]

Permit Renewal.

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
- (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

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(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension, modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]

Inspection and Entry.

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

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#007 [25 Pa. Code §§ 127.441 & 127.444]

Compliance Requirements.

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

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(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]

Operating Permit Modifications

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#012 [25 Pa. Code § 127.441]

Severability Clause.

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air

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Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]

[Operational Flexibility.](#)

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined

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in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]

Reactivation

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]

Circumvention.

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]

Reporting Requirements.

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

SECTION B. General State Only Requirements

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager

PA Department of Environmental Protection

(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]

Recordkeeping.

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized

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records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall not allow the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Sources and classes of sources other than those identified in (a)-(e), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]

Fugitive particulate matter

The permittee shall not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001, if the emissions are visible at the point the emissions pass outside the permittee's property.

003 [25 Pa. Code §123.31]

Limitations

The permittee shall not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the permittee's property.

004 [25 Pa. Code §123.41]

Limitations

The permittee shall not allow the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any one hour.
- (b) Equal to or greater than 60% at any time.

005 [25 Pa. Code §123.42]

Exceptions

The emission limitations of Section C, Condition #004, shall not apply when:

- (a) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

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(c) The emission results from sources specified in Section C, Condition #001(a)-(f).

006 [25 Pa. Code §129.14]

Open burning operations

The permittee shall not allow the open burning of material on the permittee's property except when the open burning operations result from:

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) A fire set solely for recreational or ceremonial purposes.
- (5) A fire set solely for cooking food.

II. TESTING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of the sources referenced in this operating permit to measure emissions for purposes including verification of operating permit condition compliance and estimation of annual air emissions.

008 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. In the request, the Department will set forth the time period in which the facilities shall be provided as well as the specifications for such facilities.

009 [25 Pa. Code §139.11]

General requirements.

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the chrome electroplating rate, pressure differential across the composite mesh pad, and other conditions which may affect emissions from the process.
- (3) The location of the sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂, and

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N2), static and barometric pressures.

(5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.

(6) Laboratory procedures and results.

(7) Calculated results.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

(a) A device approved by the Department and maintained to provide accurate opacity measurements (e.g. Continuous Opacity Monitor).

(b) Observers trained and certified in EPA Reference Method 9 to measure plume opacity with the naked eye; or with the aid of any device(s) approved by the Department.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive particulate matter emissions, and malodorous air contaminants. Weekly inspections are necessary to determine:

(a) The presence of visible emissions. Visible emissions may be measured according to the methods specified in Section C, Condition #010. Alternately, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.

(b) The presence of fugitive particulate matter emissions beyond the plant property boundaries, as stated in Section C, Condition #002.

(c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Section C, Condition #003.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain records of the weekly inspections referenced in Section C, Condition #011. The records shall include, at a minimum, the following information:

(1) The name of the company representative monitoring each inspection.

(2) The date and time of each inspection.

(3) The wind direction during each inspection.

(4) A description of the visible emissions, fugitive particulate matter emissions (beyond the plant property boundaries), and malodorous air contaminants (beyond the plant property boundaries) observed, if any, and actions taken to mitigate them. If no visible emissions or fugitive particulate matter emissions or malodors are observed, then document that none

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were observed.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.

013 [25 Pa. Code §127.442]

Reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03113]

The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner that may result in an increase in air emissions. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Any malfunction which poses an imminent danger to the public health, safety, welfare, and environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two (2) hours after the incident. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of part (a), above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

VI. WORK PRACTICE REQUIREMENTS.

014 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Section C, Condition #001(a)-(f). These actions shall include, but not be limited to, the following:

(a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(b) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

015 [25 Pa. Code §127.444]

Compliance requirements.

The permittee shall operate and maintain all sources and any air cleaning devices identified in this operating permit in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good operating practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VIII. COMPLIANCE CERTIFICATION.



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No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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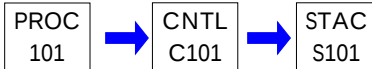
Source ID: 101

Source Name: HARD CHROMIUM ELECTROPLATING TANK

Source Capacity / Throughput:

5.000 Sq Ft / HR

CHROMIUM

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Standards.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

(a) The concentration of total chromium in the exhaust gas stream discharged to the atmosphere from the hard chromium electroplating tank and its associated composite mesh-pad system shall not exceed 0.015 milligram per dry standard cubic meter (equivalent to 0.0000066 grain per dry standard cubic foot).

(b) The emission limit in part (a), above, does not apply during periods of malfunction.

[40 CFR §§63.342(b)(1) & 63.342(c)(1)(i)]

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §139.11]

General requirements.

If the permittee conducts performance testing pursuant to Condition #003, below, in order to establish a new site-specific operating parameter for pressure differential across the hard chromium electroplating tank's composite mesh-pad system, then the permittee shall satisfy the following requirements:

(a) Pursuant to 25 Pa. Code Section 139.3, at least 90 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 40 CFR §63.347(d)(1), at least 60 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Southcentral Regional Office. Notification shall also be sent to the Bureau of Air Quality's Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Pursuant to 25 Pa. Code Section 139.53(a)(3), within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Bureau of Air Quality's Division of Source Testing and Monitoring and the Southcentral Regional Office indicating the completion date of the on-site testing.

(d) A complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

(e) Pursuant to 25 Pa. Code Section 139.53(b), a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or

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non-compliance with all applicable operating permit conditions. The summary results will include, at a minimum, the following information:

- (1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
- (2) Permit number(s) and condition(s) which are the basis for the evaluation.
- (3) Summary of results with respect to each applicable permit condition.
- (4) Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code Section 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3), all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecom/Login.jsp> when it becomes available. If internet submittal can not be accomplished, two copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, one copy of the submittal shall be sent to the Southcentral Regional Office.

[40 CFR §63.347(d)(1)]

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.344]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Performance test requirements and test methods.

If the permittee elects to establish a new site-specific operating parameter for pressure differential across the hard chromium electroplating tank's composite mesh-pad system in accordance with Condition #014(b), below, the permittee shall satisfy the following requirements:

(a) Performance tests shall be conducted using the test methods and procedures in this operating permit condition, 40 CFR §63.7, and Condition #002, above. Performance test results shall be documented in complete test reports that contain the information required by paragraphs (a)(1) through (a)(9), below. The requirements of Condition #002, above, shall be satisfied.

- (1) A brief process description;
- (2) Sampling location description(s);
- (3) A description of sampling and analytical procedures and any modifications to standard procedures;
- (4) Test results;
- (5) Quality assurance procedures and results;
- (6) Records of operating conditions during the test, preparation of standards, and calibration procedures;
- (7) Raw data sheets for field sampling and field and laboratory analyses;
- (8) Documentation of calculations; and

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(9) Any other information required by the test method.

(b) The permittee shall use a test method(s) identified in (b)(1)-(b)(3), below, in order to establish a new site-specific operating parameter for pressure differential across the hard chromium electroplating tank's composite mesh-pad system.

(1) EPA Reference Method 306 or 306A ("Determination of Chromium Emissions From Decorative and Hard Chromium Electroplating and Anodizing Operations"), Appendix A of 40 CFR Part 63, shall be used to determine the chromium concentration from the hard chromium electroplating tank. The sampling time and sample volume for each run of EPA Reference Methods 306 and 306A, Appendix A of 40 CFR Part 63, shall be at least 120 minutes and 1.70 dscm (60 dscf), respectively. EPA Reference Methods 306 and 306A, Appendix A of 40 CFR Part 63, allow the measurement of either total chromium or hexavalent chromium emissions.

(2) The California Air Resources Board (CARB) Method 425 (which is available by contacting the California Air Resources Board, 1102 Q Street, Sacramento, California 95814) may be used to determine the chromium concentration from the hard chromium electroplating tank if the following conditions are met:

(A) If a colorimetric analysis method is used, the sampling time and volume shall be sufficient to result in 33 to 66 micrograms of catch in the sampling train.

(B) If Atomic Absorption Graphite Furnace (AAGF) or Ion Chromatography with a Post-column Reactor (ICPCR) analyses were used, the sampling time and volume should be sufficient to result in a sample catch that is 5 to 10 times the minimum detection limit of the analytical method (i.e., 1.0 microgram per liter of sample for AAGF and 0.5 microgram per liter of sample for ICPCR).

(C) In the case of either (b)(2)(A) or (b)(2)(B), above, a minimum of 3 separate runs must be conducted. The other requirements of 40 CFR §63.7 that apply to the hard chromium electroplating tank, as indicated in Table 1 of 40 CFR Part 63 (Subpart N), must also be met.

(3) Alternate test methods may also be used if the method has been validated using EPA Reference Method 301, Appendix A of 40 CFR Part 63 and if approved by the Department. Procedures for requesting and obtaining approval are contained in 40 CFR §63.7(f).

(c) The permittee shall follow the procedures in (c)(1) or (c)(2), below, in order to establish a new site-specific operating parameter for pressure differential across the hard chromium electroplating tank's composite mesh-pad system.

(1) All monitoring equipment shall be installed such that representative measurements of emissions or the pressure differential across the hard chromium electroplating tank's composite mesh-pad system are obtained. For monitoring equipment purchased from a vendor, verification of the operational status of the monitoring equipment shall include execution of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system. Specifications shall be in accordance with manufacturer's accuracy specifications.

(2) As an alternative, the permittee may establish a new site-specific operating parameter for pressure differential across the hard chromium electroplating tank's composite mesh-pad system in accordance with the following guidelines:

(A) Pressure taps shall be installed at any of the following locations:

(i) At the inlet and outlet of the hard chromium electroplating tank's composite mesh-pad system. The inlet tap should be installed in the ductwork just prior to the hard chromium electroplating tank's composite mesh-pad system and the corresponding outlet pressure tap should be installed on the outlet side of the hard chromium electroplating tank's composite mesh-pad system prior to the blower or on the downstream side of the blower;

(ii) On each side of each mesh pad within the hard chromium electroplating tank's composite mesh-pad system; or

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(iii) On the front side of the first mesh pad and back side of the last mesh pad within the hard chromium electroplating tank's composite mesh-pad system.

(B) Pressure taps shall be sited at locations that are:

(i) Free from pluggage as possible and away from any flow disturbances such as cyclonic demisters.

(ii) Situated such that no air infiltration at measurement site will occur that could bias the measurement.

(C) Pressure taps shall be constructed of either polyethylene, polybutylene, or other nonreactive materials.

(D) Nonreactive plastic tubing shall be used to connect the pressure taps to the device used to measure pressure drop.

(E) Any of the following pressure gauges can be used to monitor pressure drop: a magnehelic gauge, an inclined manometer, or a "U" tube manometer.

(F) Prior to connecting any pressure lines to the pressure gauge(s), each gauge should be zeroed. No calibration of the pressure gauges is required.

(d) The permittee shall demonstrate compliance with Condition #001, above.

[40 CFR §§63.343(c)(1)(iii)(A); 63.343(c)(1)(iii)(B); 63.344(a); 63.344(c)(1)-(2)&(4); 63.344(d)(1), (2)(ii)&(5)]

III. MONITORING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.343]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Compliance provisions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

The permittee shall maintain instrumentation to continuously measure and display the pressure differential across the hard chromium electroplating tank's composite mesh-pad system.

[40 CFR §63.343(c)]

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

Manufacturer-supplied data sheets or Material Safety Data Sheets (or equivalent) for all chromic acid solutions used at the facility within the most recent five (5) years shall be maintained on-site and shall be made available to Department representatives upon its request.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

(a) The permittee shall maintain detailed records of all maintenance performed on the hard chromium electroplating tank

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and its associated composite mesh-pad system.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.343]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Compliance provisions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

(a) The permittee shall monitor and record the pressure differential across the composite mesh-pad system at least once each day that the hard chromium electroplating tank is in use.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

[40 CFR §63.343(c)(ii)]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.346]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Recordkeeping requirements.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

(a) The permittee shall fulfill all record keeping requirements outlined below and in the General Provisions to 40 CFR Part 63, according to the applicability of Subpart A of 40 CFR Part 63 as identified in Table 1 of 40 CFR Part 63 (Subpart N).

(b) The permittee shall maintain the following records for the hard chromium electroplating tank:

(1) Inspection records for the composite mesh-pad system and its pressure differential monitoring equipment to document that the inspection and maintenance required by the work practice standards of Condition #011(a)(2), below, have taken place. The record can take the form of a checklist and should identify that the hard chromium electroplating tank's composite mesh-pad system is being inspected, the date of each inspection, a brief description of the working condition of the hard chromium electroplating tank's composite mesh-pad system during each inspection, and any actions taken to correct deficiencies found during each inspection.

(2) Records of all maintenance performed on the hard chromium electroplating tank, the composite mesh-pad system and its pressure differential monitoring equipment;

(3) Records of the occurrence, duration, and cause (if known) of each malfunction of the hard chromium electroplating tank, the composite mesh-pad system and its pressure differential monitoring equipment;

(4) Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;

(5) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by Condition #011, below;

(6) Test reports documenting results of all performance tests;

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- (7) All measurements as may be necessary to determine the conditions of performance tests;
- (8) Records of monitoring data required by Conditions #003(c) and #007, above, that are used to demonstrate compliance with the standard including the date and time the data are collected;
- (9) 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 hard chromium electroplating tank, the composite mesh-pad system or its pressure differential monitoring equipment;
- (10) 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 hard chromium electroplating tank, the composite mesh-pad system or its pressure differential monitoring equipment;
- (11) The total process operating time of the hard chromium electroplating tank during the reporting period;
- (12) Any information demonstrating whether the hard chromium electroplating tank is meeting the requirements for a waiver of record keeping or reporting requirements, if the hard chromium electroplating tank has been granted a waiver under 40 CFR §63.10(f); and
- (13) All documentation supporting the notifications and reports required by 40 CFR §§63.9 and 63.10, as well as Condition #002, above, and #010, below.
- (c) The permittee shall retain these records for a minimum of five (5) years in accordance with 40 CFR §63.10(b)(1). The records shall be made available to the Department upon its request.

[40 CFR §§63.346(a); 63.346(b)(1)-(11)&(b)(15)-(16); 63.346(c)]

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The summary report(s) (re: ongoing compliance status) referenced in Condition #010(d), below, that are addressed in a given calendar year is/are due no later than March 1 of the following year, and shall be submitted to the Air Quality District Supervisor, at the following address, unless otherwise specified:

PA DEP
York District Office
150 Roosevelt Avenue
York, PA 17401-3381

(b) The permittee may request an extension of time from the Department for the filing of the summary report(s) specified in part (a), above, and the Department may grant the extension for reasonable cause.

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.347]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Reporting requirements.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

(a) The permittee shall fulfill all reporting requirements outlined in this operating permit condition and in the General Provisions to 40 CFR Part 63, according to the applicability of Subpart A as identified in Table 1 of Subpart N. These reports

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shall be made to to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

PA DEP
Air Quality District Supervisor
York District Office
150 Roosevelt Avenue
York, PA 17401-3381

Reports required by Subpart A of 40 CFR Part 63 and this operating permit condition may be sent by U.S. mail, fax, or by another courier.

- (1) Submittals sent by U.S. mail shall be postmarked on or before the specified date.
- (2) Submittals sent by other methods shall be received by the U.S. EPA and the Department on or before the specified date.

(b) In accordance with Condition #002(b), above, the permittee shall notify the Department, in writing, of its intention to conduct a performance test at least 60 calendar days before the test is scheduled to begin to allow the Department to have an observer present during the test. Observation of the performance test by the Department is optional. Pursuant to 40 CFR §63.7(b)(2), in the event the permittee is unable to conduct the performance test as scheduled, the permittee must notify the Department as soon as practicable and without delay prior to the scheduled performance test date and specify the date when the performance test is rescheduled.

(c) In accordance with Condition #002(d), above, the permittee shall report performance test results to the Department no later than 60 calendar days following the completion of the performance test.

(d) Ongoing compliance status reports for area sources: The requirements of the remainder of this operating permit condition do not alleviate the hard chromium electroplating tank from complying with the requirements of State or Federal operating permit programs under 40 CFR Part 71.

(1) The permittee shall prepare a summary report to document the ongoing compliance status of the hard chromium electroplating tank and its associated composite mesh-pad system. The summary report shall be completed annually and retained on site and made available to the Department upon its request. The summary report shall contain the following information:

- (i) The company name and address of the hard chromium electroplating tank.
- (ii) A statement that the operating parameter monitored for compliance determination is the pressure differential across the composite mesh-pad system.
- (iii) The relevant emission limitation for the hard chromium electroplating tank as stated in Condition #001, above, and the composite mesh-pad system's pressure differential operating parameter value as stated in Condition #014(a), below.
- (iv) The beginning and ending dates of the reporting period.

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(v) A description of the type of process performed by the hard chromium electroplating tank.

(vi) The total operating time of the hard chromium electroplating tank during the reporting period.

(vii) A summary of the composite mesh-pad system's pressure differential values, including the total duration of non-compliance with Condition #014(a), below, during the reporting period; the total duration of non-compliance with Condition #014(a), below, expressed as a percent of the hard chromium electroplating tank's operating time during the reporting period; and a breakdown of the total duration of non-compliance with Condition #014(a), below, during the reporting period into those that were due to process upsets, composite mesh-pad system malfunctions, other known causes, and unknown causes.

(viii) A certification by a responsible official that the work practice standards of Condition #011, below, were followed in accordance with the operation and maintenance plan for the hard chromium electroplating tank.

(ix) If the operation and maintenance plan required by Condition #011, below, was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any non-compliance with Conditions #001, above, or #014(a), below, are believed to have occurred, and a copy of the report(s) required by Condition #011(d), below, documenting that the operation and maintenance plan was not followed.

(x) A description of any changes in monitoring, processes, or controls since the last reporting period.

(xi) The name, title, and signature of the responsible official who is certifying the accuracy of the report.

(xii) The date of the report.

(2) Reports of exceedances:

(i) The summary report shall be completed semi-annually if both of the following conditions are met:

(A) The total duration of non-compliance with Condition #014(a), below, is 1% or greater of the total operating time for the reporting period.

(B) The total duration of malfunctions of the composite mesh-pad system and pressure differential monitoring equipment is 5% or greater of the total operating time.

(ii) Once the permittee reports an exceedance pursuant to part (d)(2)(i), above, ongoing compliance status reports shall be submitted semi-annually until a request to reduce reporting frequency pursuant to part (d)(3), below, is approved.

(iii) The Department may determine on a case-by-case basis that the summary report shall be completed more frequently if this is necessary to accurately assess the compliance status of the hard chromium electroplating tank.

(3) Request to reduce frequency of ongoing compliance status reports.

(i) If the permittee is required to submit ongoing compliance status reports on a semiannual (or more frequent) basis, it may reduce the frequency of reporting to annual if all of the following conditions are met:

(A) For 1 full year (e.g., 2 semiannual or 4 quarterly reporting periods), the ongoing compliance status reports demonstrate that the hard chromium electroplating tank is in compliance with Condition #001, above, and Condition #014(a), below.

(B) The permittee continues to comply with all applicable record keeping and monitoring requirements of Subpart A of 40 CFR Part 63 and Subpart N.

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(C) The Department does not object to a reduced reporting frequency for the hard chromium electroplating tank, as provided in parts (d)(3)(ii) and (d)(3)(iii), below.

(ii) The frequency of submitting ongoing compliance status reports may be reduced only after the permittee notifies the Department, in writing, of its intention to make such a change, and the Department does not object to the intended change. In deciding whether to approve a reduced reporting frequency, the Department may review information concerning the hard chromium electroplating tank's previous performance history during the 5-year record keeping period prior to the intended change. Records subject to review may include performance test results, monitoring data, and evaluations of the permittee's conformance with emission limitations and work practice standards. Such information may be used by the Department to make a judgement about the hard chromium electroplating tank's potential for noncompliance in the future. If the Department disapproves the permittee's request to reduce reporting frequency, the Department will notify the permittee, in writing, within 45 days after receiving notice of the permittee's intention. The notification from the Department to the permittee 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.

(iii) As soon as the composite mesh-pad system's pressure differential operating parameter value does not comply with Condition #014(a), below, show that the hard chromium electroplating tank is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semi-annual, 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 from the Department to reduce the reporting frequency as allowed by (d)(3), above.

(4) The permittee shall retain a copy of the summary reports for a minimum of five (5) years and shall make them available to the Department upon its request.

[40 CFR §§63.347(a)(1); 63.347(d); 63.347(f)(1); 63.347(h)]

VI. WORK PRACTICE REQUIREMENTS.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Standards.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

(a) The permittee shall prepare an operation and maintenance plan. The plan shall include the following elements:

(1) The plan shall specify the operation and maintenance criteria for the hard chromium electroplating tank and its associated composite mesh-pad system (including its pressure differential monitoring equipment), and shall include a standardized checklist to document the operation and maintenance of this equipment.

(2) The plan shall incorporate the following work practice standards for the composite mesh-pad system:

(i) Visually inspect the composite mesh-pad system to ensure there is proper drainage, no chronic acid buildup on the mesh pads, and no evidence of chemical attack on the structural integrity of the device (to be performed a minimum of once per calendar quarter).

(ii) Visually inspect the back portion of the mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist (to be performed a minimum of once per calendar quarter).

(iii) Visually inspect the ductwork from the electroplating tank to the composite mesh-pad system to ensure there are no

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leaks (to be performed a minimum of once per calendar quarter).

(iv) Perform wash-down of the composite mesh-pads in accordance with manufacturers recommendations (to be performed at a frequency recommended by the manufacturer).

(3) 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; and

(4) The plan shall include a systematic procedure for identifying malfunctions of the hard chromium electroplating tank and its associated composite mesh-pad system (including its pressure differential monitoring equipment), and for implementing corrective actions to address such malfunctions.

(b) If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall revise the operation and maintenance plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the hard chromium electroplating tank and its associated composite mesh-pad system (including its pressure differential monitoring equipment) during similar malfunction events, and a program for corrective action for such events.

(c) Record keeping associated with the operation and maintenance plan is identified in Condition #008(b), above. Reporting associated with the operation and maintenance plan is identified in Condition #010(d), above, and part (d), below.

(d) If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan, the permittee shall record the actions taken for that event and shall report by phone such actions within 2 working days after commencing actions inconsistent with the plan. This 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 the Department.

(1) The phone report shall be directed to the Air Quality District Supervisor's attention at 717-771-4481.

(2) The letter shall be submitted to the Air Quality District Supervisor at the following address, unless otherwise specified:

PA DEP
York District Office
150 Roosevelt Avenue
York, PA 17401-3381

(e) The permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Department. In addition, if the operation and maintenance plan is revised, the permittee shall keep previous (i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by the Department for a period of 5 years after each revision to the plan.

(f) To satisfy the requirements of this operating permit condition, the permittee may use applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements of this operating permit condition.

[40 CFR §§63.342(f)(3)(i)(A)-(B),(D)-(E) & 63.342(f)(3)(ii)-(vi)]

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Standards.

SECTION D. Source Level Requirements

(a) At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the hard chromium electroplating tank and its associated composite mesh-pad system (including its pressure differential monitoring equipment) in a manner consistent with good air pollution control practices.

(b) Malfunctions shall be corrected as soon as practicable after their occurrence.

(c) Operation and maintenance requirements established pursuant to Section 112 of the Clean Air Act are enforceable independent of emissions limitations or other requirements in relevant standards.

[40 CFR §63.342(f)(1)]

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Standards.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

The permittee shall operate the composite mesh-pad system at all times that the hard chromium electroplating tank is in use.

[40 CFR §63.342(f)(1)(i)]

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.343]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Compliance provisions.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

(a) The pressure differential across the hard chromium electroplating tank's composite mesh-pad system shall not exceed 2.95 inches of water column.

(b) The permittee may conduct a performance test(s) and establish a new site-specific operating parameter for pressure differential across the hard chromium electroplating tank's composite mesh-pad system. To establish a new site-specific operating parameter for pressure differential, the permittee shall satisfy the requirements specified below:

(1) Determine the outlet chromium concentration using the test methods and procedures in Condition #003(b), above.

(2) Establish the site-specific operating parameter value using the procedures in Condition #003(c), above. The permittee may conduct multiple performance tests to establish a range of compliant pressure differential, or may set as the compliant value the average pressure drop measured over the three test runs of one performance test and accept ± 2 inches of water column from this value as the compliant range.

(3) Satisfy the record keeping requirements in Condition #008(b)(6)-(8), above.

(4) Satisfy the reporting requirements in Condition #010(b)&(c), above.

(c) The requirement to operate the composite mesh-pad system in compliance with parts (a) and (b), above, does not apply during automatic wash-down cycles of the composite mesh-pad system.

SECTION D. Source Level Requirements

[40 CFR §§63.343(c)(1)(i) & 63.343(c)(1)(iii)-(iv)]

VII. ADDITIONAL REQUIREMENTS.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.340]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Applicability and designation of sources.

[Additional authority for this permit condition is also derived from Plan Approval No. 67-03096]

The hard chromium electroplating tank and its associated composite mesh-pad system are subject to 40 CFR Part 63, Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks. The permittee shall comply with all applicable standards, compliance provisions, performance test, monitoring, record keeping, and reporting requirements contained at 40 CFR Sections 63.342 through Section 63.347. 40 CFR Section 63.13(a) requires submission of copies of all requests, reports, applications, submittals, and other communications to both the U.S. Environmental Protection Agency (U.S. EPA) and the Department. The U.S. EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

The Department copies shall be forwarded to:

PA DEP
Air Quality District Supervisor
York District Office
150 Roosevelt Avenue
York, PA 17401-3381

[40 CFR §§63.1(b)(1)-(3) & 63.340]

016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Standards.

(a) Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Department, which may include, but is not limited to, monitoring results; review of the operation and maintenance plan, procedures, and records; and inspection of the source.

(b) Based on the results of a determination made under part (a), above, the Department may require that the permittee make changes to the operation and maintenance plan required by Condition #011(a), above, for the hard chromium electroplating tank and its associated composite mesh-pad system (including its pressure differential monitoring equipment). Revisions may be required if the Department finds that the plan:

(1) Does not address a malfunction that has occurred;

SECTION D. Source Level Requirements

(2) Fails to provide for the proper operation of the hard chromium electroplating tank and its associated composite mesh-pad system (including its pressure differential monitoring equipment) during a malfunction in a manner consistent with good air pollution control practices; or

(3) Does not provide adequate procedures for correcting the malfunctioning hard chromium electroplating tank and its associated composite mesh-pad system (including its pressure differential monitoring equipment) as quickly as practicable.

[40 CFR §63.342(f)(2)]

SECTION D. Source Level Requirements

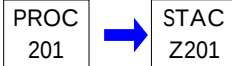
Source ID: 201

Source Name: REMOTE RESERVOIR COLD CLEANING MACHINE(S)

Source Capacity / Throughput:

5.000 Lbs / HR

VOC



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §129.63]

Degreasing operations

(a) The permittee may not use in each Source ID 201 machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(b) This permit condition does not apply:

(1) If any Source ID 201 machine is used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

- (A) Oxygen in concentrations greater than 23%
- (B) Ozone
- (C) Nitrous oxide
- (D) Fluorine
- (E) Chlorine
- (F) Bromine
- (G) Halogenated compounds

(2) If the permittee demonstrates, and the Department approves in writing, that compliance with this permit condition will result in unsafe operating conditions.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §129.63]

Degreasing operations

(a) The permittee shall maintain the following records for each Source ID 201 machine:

- (1) The name and address of the solvent supplier.
- (2) The type of solvent including the product or vendor identification number.
- (3) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

SECTION D. Source Level Requirements

An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this condition.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §129.63]

Degreasing operations

Each Source ID 201 machine shall have a permanent, conspicuous label summarizing the operating requirements in Condition #005, below. In addition, the label shall include the following discretionary good operating practices:

(a) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the Source ID 201 machine.

(b) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(c) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

004 [25 Pa. Code §129.63]

Degreasing operations

Each Source ID 201 machine shall be equipped with one of the following:

(a) A cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent, or

(b) A perforated drain with a diameter of not more than six (6) inches, if the Source ID 201 machine drains directly into the solvent storage reservoir.

005 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall operate each Source ID 201 machine in accordance with the following procedures:

(a) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(b) Flushing of parts using a flexible hose or other flushing device shall be performed only within the Source ID 201 machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(c) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in any Source ID 201 machine.

(d) Air-agitated solvent baths may not be used.

(e) Spills during solvent transfer and use of each Source ID 201 machine shall be cleaned up immediately.



SECTION D. Source Level Requirements

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §129.63]

Degreasing operations

All of the aforementioned permit conditions apply to any Source ID 201 machine using 2 gallons or more of solvents containing greater than 5% VOC by weight for the cleaning of metal parts.



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

The following activities have been exempted from work practice standards, and testing, monitoring, record keeping, and reporting requirements:

- * Strip Hyphen Assembly Machines
 - * Tool Room Cleaning Station
 - * Miscellaneous Isopropyl Alcohol Use
 - * Safety Kleen Unit
 - * Immersion Cleaner
 - * Ultrasonic Cleaner
 - * NG-fired Space Heaters
 - * Electric Furnace
 - * Brazing Table
 - * Pillar Soldering Unit
 - * Automatic Solderer
 - * Hand and Pot Soldering
 - * CNC Machines
 - * Evaporator
 - * Cooling Tower
 - * Injection Molding Machines
 - * Welding Bench
 - * Fume Hood
 - * Office Copiers
 - * Battery Charge Areas
 - * Air Compressor
 - * Nitrogen System
 - * Flammable Liquid Storage Building
-

The following serves as a description of the Source IDs:

Source ID 101 was previously the subject of Plan Approval No. 67-03096.



***** End of Report *****
