



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 7-3554-00088/00004
Effective Date: 06/26/2014 Expiration Date: 06/25/2024

Permit Issued To: SOUTHERN GRAPHIC SYSTEMS LLC
626 WEST MAIN ST
LOUISVILLE, KY 40202-4269

Contact: VICTOR J BARANOWSKI
SOUTHERN GRAPHIC SYSTEMS LLC
67 CO RTE 59
PHOENIX, NY 13135

Facility: SOUTHERN GRAPHIC SYSTEMS LLC
67 CO RTE 59
PHOENIX, NY 13135

Description:
Air State Facility permit for facility activities which include the production of gravure cylinders used in the printing industry.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: ELIZABETH A TRACY
615 ERIE BLVD WEST
SYRACUSE, NY 13204-2400

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
- Applications for permit renewals, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.



Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400

New York State Department of Environmental Conservation

Permit ID: 7-3554-00088/00004

Facility DEC ID: 7355400088



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

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626 WEST MAIN ST
LOUISVILLE, KY 40202-4269

Facility: SOUTHERN GRAPHIC SYSTEMS LLC
67 CO RTE 59
PHOENIX, NY 13135

Authorized Activity By Standard Industrial Classification Code:
2796 - PLATEMAKING SERVICES

Permit Effective Date: 06/26/2014

Permit Expiration Date: 06/25/2024



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 211.1: Air pollution prohibited
- 2 6 NYCRR 212.4: Compliance Demonstration
- 3 6 NYCRR 212.4 (c): Compliance Demonstration
- 4 6 NYCRR 212.6: Compliance Demonstration
- 5 40CFR 63.340, Subpart N: Compliance Demonstration
- 6 40CFR 63.342(b)(1), Subpart N: Compliance Demonstration
- 7 40CFR 63.342(c)(1)(ii), Subpart N: Compliance Demonstration
- 8 40CFR 63.342(c)(2)(vi), Subpart N: Compliance Demonstration
- 9 40CFR 63.342(f), Subpart N: Compliance Demonstration
- 10 40CFR 63.343(b)(1), Subpart N: Compliance Demonstration
- 11 40CFR 63.343(c)(1), Subpart N: Compliance Demonstration
- 12 40CFR 63.343(c)(2)(ii), Subpart N: Compliance Demonstration
- 13 40CFR 63.343(c)(4), Subpart N: Compliance Demonstration
- 14 40CFR 63.343(c)(5), Subpart N: Compliance Demonstration
- 15 40CFR 63.344, Subpart N: Compliance Demonstration
- 16 40CFR 63.344, Subpart N: Compliance Demonstration
- 17 40CFR 63.344, Subpart N: Compliance Demonstration
- 18 40CFR 63.345, Subpart N: Compliance Demonstration
- 19 40CFR 63.346, Subpart N: Compliance Demonstration
- 20 40CFR 63.347(a), Subpart N: Compliance Demonstration
- 21 40CFR 63.347(c)(2), Subpart N: Compliance Demonstration
- 22 40CFR 63.347(d), Subpart N: Compliance Demonstration
- 23 40CFR 63.347(e)(2), Subpart N: Compliance Demonstration
- 24 40CFR 63.347(f), Subpart N: Compliance Demonstration
- 25 40CFR 63.347(h), Subpart N: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 26 ECL 19-0301: Contaminant List
- 27 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 28 6 NYCRR Subpart 201-5: Emission Unit Definition
- 29 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 30 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 31 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

- 32 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 33 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6 NYCRR 200.7

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications,



required to operate such device effectively.

Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.



(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item F: Recycling and Salvage - 6 NYCRR 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: Required Emission Tests - 6 NYCRR 202-1.1



An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

- Item K: Open Fires Prohibitions - 6 NYCRR 215.2**
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.
- Item L: Permit Exclusion - ECL 19-0305**
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.
- Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Air pollution prohibited



Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:6 NYCRR 211.1

Item 1.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 2: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:6 NYCRR 212.4

Item 2.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00004	Emission Point: E0009
Process: P10	Emission Source: S0014

Item 2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

SPRAY ETCH PERFORMANCE TEST AND CONTROL EQUIPMENT OPERATING PARAMETERS

1. The spray etch unit shall be tested for total chrome emissions at the packed bed scrubber inlet and outlet. The test shall be conducted within 30 days of unit start-up and shall include the pre-etch and etch functions, while operating at full capacity. A test protocol shall be submitted at least 30 days prior to performance test, unless a shorter timeframe is acceptable to the department.

2. Method 306 or Method 306A in appendix A of 40 CFR Part 63 shall be used to quantify the chromium emissions from this unit. The average of three test runs on this unit shall be used to determine emissions. The sampling time and sample volume for each run of Methods 306 and 306A shall be at least 120 minutes and 1.70 dscm (60 dscf), respectively. Methods 306 and 306A allow the measurement of either total chromium or hexavalent chromium emissions. Due to the interferences inherent in these methods, total chromium shall be measured and reported. The performance



test runs shall also be used to establish site specific operating parameter values for the packed bed scrubber control equipment. These parameter values may be required to continually monitor scrubber performance. The parameter values established should be consistent with the parameter values required to be established for packed bed scrubber systems controlling emissions from affected sources per 40 CFR 63.343(c)(2).

3. A final test report shall be submitted to the department within 30 days of completion of the test. The test report shall include results for total chromium emissions for the inlet and outlet of the packed bed scrubber control device. Total chromium shall be reported in units of milligrams per dry standard cubic meter and pounds per hour. The control efficiency of the packed bed scrubber shall also be calculated and included in the final test report.

4. The results of the test will be used by the department to evaluate the ambient air impacts from the spray etch unit. Based on the ambient impact analysis, the department will determine the level of control, monitoring, and reporting required for this unit. Any control, monitoring, and reporting, established by the department, shall become enforceable under this permit condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 3: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 3.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All process sources (not exempt under §212.7) that have the potential to emit solid particulates, must not emit solid particulates that exceed 0.050 grains particulates per dry standard cubic foot of exhaust gas.

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Performance testing shall be conducted when requested by the department. Conduct of each test shall be in accordance with 6 NYCRR Part 202-1.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 4: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:6 NYCRR 212.6

Item 4.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

All process sources (not exempt under §212.7) must not emit contaminants causing an average opacity, during any six consecutive minutes, of 20 percent or greater. Method 9 opacity observations shall be conducted when requested by the department. Conduct of each test shall be in accordance with 6 NYCRR Part 202-1.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.340, Subpart N

Item 5.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: P01

Emission Point: E0001
Emission Source: C001A

Emission Unit: U-00001
Process: P01

Emission Point: E0010
Emission Source: C001B



Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: CWETA
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S002A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of affected sources subject to 40 CFR 63 Subpart N must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 1 of Subpart N. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 6: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.342(b)(1), Subpart N

Item 6.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The emission limitations in this section apply during tank operation as defined in 40 CFR 63.341, and during periods of startup and shutdown as these are routine occurrences for affected sources subject to subpart N. In response to an action to enforce the standards set forth in subpart N, the owner or operator may assert a defense to a claim for civil penalties for violations of such standards that are caused by a malfunction, as defined in 40 CFR 63.2. Appropriate penalties may be assessed, however, if the owner or operator fails to meet the burden of proving all the requirements in the affirmative defense. The affirmative defense shall not be available for claims for injunctive relief.

(i) To establish the affirmative defense in any action to enforce such a standard, the owner or operator must timely meet the reporting requirements of paragraph (ii), and must prove by a preponderance of evidence that:

(A) The violation was caused by a sudden, infrequent, and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal and usual manner; and could not have been prevented through careful planning, proper design or better operation and maintenance practices; and did not stem from any activity or event that could have been foreseen and avoided, or planned for; and was not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and

(B) Repairs were made as expeditiously as possible when exceeded violation occurred. Off-shift and overtime labor were used, to the extent practicable to make these repairs; and

(C) The frequency, amount and duration of the violation (including any bypass) were minimized to the maximum extent practicable; and

(D) If the violation resulted from a bypass of control equipment or a process, then the bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and

(E) All possible steps were taken to minimize the impact of the violation on ambient air quality, the environment, and human health; and

(F) All emissions monitoring and control systems were kept in operation if at all possible, consistent with safety and good air pollution control practices; and



(G) All of the actions in response to the violation were documented by properly signed, contemporaneous operating logs; and

(H) At all times, the affected sources were operated in a manner consistent with good practices for minimizing emissions; and

(I) A written root cause analysis was prepared, the purpose of which is to determine, correct, and eliminate the primary causes of the malfunction and the excess emissions resulting from the malfunction event at issue. The analysis shall also specify, using the best monitoring methods and engineering judgment, the amount of excess emissions that were the result of the malfunction.

(ii) Report. The owner or operator seeking to assert an affirmative defense shall submit a written report to the Administrator with all necessary supporting documentation, that it has met the requirements set forth in paragraph (i). This affirmative defense report shall be included in the first periodic compliance, deviation report or excess emission report otherwise required after the initial occurrence of the violation of the relevant standard (which may be the end of any applicable averaging period). If such compliance, deviation report or excess emission report is due less than 45 days after the initial occurrence of the violation, the affirmation defense report may be included in the second compliance, deviation report or excess emission report due after the initial occurrence of the violation of the relevant standard.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 7: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.342(c)(1)(ii), Subpart N

Item 7.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: P01

Emission Point: E0001
Emission Source: C001A

Emission Unit: U-00001
Process: P01

Emission Point: E0001
Emission Source: CWETA

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Emission Unit: U-00001
Process: P01

Emission Point: E0001
Emission Source: S001A

Emission Unit: U-00001
Process: P01

Emission Point: E0001
Emission Source: S002A

Regulated Contaminant(s):
CAS No: 007440-47-3 CHROMIUM

Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator must limit the concentration of total chromium emissions to less than 0.015 mg/dscm for all open surface hard chromium electroplating tanks that are existing affected sources and are located at small, hard chromium electroplating facilities. Average of three test runs.

An initial performance test, conducted November of 1996, shows the existing sources, Chrome Tank 1A and 2A, have demonstrated compliance with this requirement using a packed bed scrubber and a wetting agent.

Upper Permit Limit: 0.015 milligrams per dry standard
cubic meter

Reference Test Method: RM 306 or 306A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 8: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.342(c)(2)(vi), Subpart N

Item 8.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: P01

Emission Point: E0010
Emission Source: C001B

Emission Unit: U-00001
Process: P01

Emission Point: E0010
Emission Source: CME1B

Emission Unit: U-00001
Process: P01

Emission Point: E0010
Emission Source: CME2B

Emission Unit: U-00001

Emission Point: E0010



Process: P01 Emission Source: S001B
Emission Unit: U-00001 Emission Point: E0010
Process: P01 Emission Source: S002B
Regulated Contaminant(s):
CAS No: 007440-47-3 CHROMIUM

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Standards for enclosed hard chromium electroplating tanks that are new affected sources. During tank operation, each owner or operator shall control chromium emissions discharged to the atmosphere from an affected source by either:

(1) Not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.006 mg/dscm of ventilation air (2.6×10^{-6} gr/dscf) ; or

(2) Not allowing the mass rate of total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate determined by using the calculation procedure in §63.344(f)(1)(iii).

Upper Permit Limit: 0.006 milligrams per dry standard cubic meter

Reference Test Method: RM 306 or 306A

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 9: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.342(f), Subpart N

Item 9.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: E0001
Process: P01 Emission Source: C001A
Emission Unit: U-00001 Emission Point: E0010
Process: P01 Emission Source: C001B
Emission Unit: U-00001 Emission Point: E0010



Process: P01	Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: CWETA
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S002A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

f) Operation and maintenance practices.

(1)(i) At all times, including periods of startup, shutdown, and malfunction, owners or operators shall operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices.

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

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

(2)(i) Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Administrator, 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.

(ii) Based on the results of a determination made under paragraph (f)(2)(i) of this section, the Administrator may require that an owner or operator of an affected source



make changes to the operation and maintenance plan required by paragraph (f)(3) of this section for that source. Revisions may be required if the Administrator finds that the plan:

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

(B) Fails to provide for the proper operation of the affected source, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or

(C) Does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable.

(3) Operation and maintenance plan.

(i) The owner or operator of an affected source subject to paragraph (f) of this section shall prepare an operation and maintenance plan no later than the compliance date. The plan shall include the following elements:

(A) The plan shall specify the operation and maintenance criteria for the affected source, the add-on air pollution control device (if such a device is used to comply with the emission limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment;

(B) For sources using an add-on control device or monitoring equipment to comply with this subpart, the plan shall incorporate the operation and maintenance practices for that device or monitoring equipment, as identified in Table 1 of this section, if the specific equipment used is identified in Table 1 of this section;

(C) If the specific equipment used is not identified in Table 1 of this section, the plan shall incorporate proposed operation and maintenance practices. These proposed operation and maintenance practices shall be submitted for approval as part of the submittal required under §63.343(d);

(D) 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



(E) The plan shall include a systematic procedure for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.

(F) The plan shall include housekeeping procedures, as specified in Table 2 of this section.

(ii) If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator 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 process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective action for such events.

(iii) Recordkeeping associated with the operation and maintenance plan is identified in §63.346(b). Reporting associated with the operation and maintenance plan is identified in §63.347 (g) and (h) and paragraph (f)(3)(iv) of this section.

(iv) If actions taken by the owner or operator during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by paragraph (f)(3)(i) of this section, the owner or operator 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 owner or operator makes alternative reporting arrangements, in advance, with the Administrator.

(v) The owner or operator shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Administrator for the life of the affected source or until the source is no longer subject to the provisions of this subpart. In addition, if the operation and maintenance plan is revised, the owner or operator 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 Administrator for a period of 5 years after each revision to the plan.



(vi) To satisfy the requirements of paragraph (f)(3) of this section, the owner or operator 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 section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 10: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.343(b)(1), Subpart N

Item 10.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Methods to demonstrate initial compliance.

An owner or operator of an affected source subject to the requirements of this subpart is required to conduct an initial performance test as required under §63.7, using the procedures and test methods listed in §§63.7 and 63.344.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 11: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement: 40CFR 63.343(c)(1), Subpart N

Item 11.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001	
Process: P01	Emission Source: C001B
Emission Unit: U-00001	
Process: P01	Emission Source: S001B
Emission Unit: U-00001	
Process: P01	Emission Source: S002B

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(C)(1) Continuous compliance for composite mesh-pad systems.

(i) During the initial performance test, the owner or operator of an affected source, or a group of affected sources under common control, complying with the emission limitations in §63.342 through the use of a composite mesh-pad system shall determine the outlet chromium concentration using the test methods and procedures in §63.344(c), and shall establish as a site-specific operating parameter the pressure drop across the system, setting the value that corresponds to compliance with the applicable emission limitation, using the procedures in §63.344(d)(5). An owner or operator may conduct multiple performance tests to establish a range of compliant pressure drop values, 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.

(ii) On and after the date on which the initial performance test is required to be completed under §63.7, the owner or operator of an affected source, or group of affected sources under common control, shall monitor and record the pressure drop across the composite mesh-pad system once each day that any affected source is operating. To be in compliance with the standards, the composite mesh-pad system shall be operated within ± 2 inches of water column of the pressure drop value



established during the initial performance test, or shall be operated within the range of compliant values for pressure drop established during multiple performance tests.

(iii) The owner or operator of an affected source complying with the emission limitations in §63.343 through the use of a composite mesh-pad system may repeat the performance test and establish as a new site-specific operating parameter the pressure drop across the composite mesh-pad system according to the requirements in paragraphs (c)(1)(i) or (ii) of this section. To establish a new site-specific operating parameter for pressure drop, the owner or operator shall satisfy the requirements specified in paragraphs (c)(1)(iii)(A) through (D) of this section.

(A) Determine the outlet chromium concentration using the test methods and procedures in §63.344(c);

(B) Establish the site-specific operating parameter value using the procedures §63.344(d)(5);

(C) Satisfy the recordkeeping requirements in §63.346(b)(6) through (8); and

(D) Satisfy the reporting requirements in §63.347(d) and (f).

(iv) The requirement to operate a composite mesh-pad system within the range of pressure drop values established under paragraphs (c)(1)(i) through (iii) of this section does not apply during automatic washdown cycles of the composite mesh-pad system.

Reporting of monitoring results as per §63.347.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.343(c)(2)(ii), Subpart N

Item 12.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Process: P01

Emission Source: C001A



Emission Unit: U-00001
Process: P01 Emission Source: S001A

Emission Unit: U-00001
Process: P01 Emission Source: S002A

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On and after the date on which the initial performance test is required to be completed under §63.7, the owner or operator of an affected source, or group of affected sources under common control, shall monitor and record the velocity pressure at the inlet to the packed-bed system and the pressure drop across the scrubber system once each day that any affected source is operating. To be in compliance with the standards, the scrubber system shall be operated within ± 10 percent of the velocity pressure value established during the initial performance test, and within ± 1 inch of water column of the pressure drop value established during the initial performance test, or within the range of compliant operating parameter values established during multiple performance tests.

Reporting of monitoring results as per §63.347.

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement: 40CFR 63.343(c)(4), Subpart N

Item 13.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: P01 Emission Source: CME1B

Emission Unit: U-00001
Process: P01 Emission Source: CME2B

Emission Unit: U-00001
Process: P01 Emission Source: S001B

Emission Unit: U-00001



Process: P01

Emission Source: S002B

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fiber-bed mist eliminator.

(i) During the initial performance test, the owner or operator of an affected source, or group of affected sources under common control, complying with the emission limitations in §63.342 through the use of a control system that includes a fiber-bed mist eliminator shall establish as a site-specific operating parameter the pressure drop across the fiber-bed mist eliminator, setting the value that corresponds to compliance with the applicable emission limitation for the control system using the procedures in §63.344(d)(5). An owner or operator may conduct multiple performance tests to establish a range of compliant pressure drop values, or may set as the compliant value the average pressure drop measured over the three test runs of one performance test and accept ± 1 inch of water column from this value as the compliant range.

(ii) On and after the date on which the initial performance test is required to be completed under §63.7, the owner or operator of an affected source, or group of affected sources under common control, shall monitor and record the pressure drop across the fiber-bed mist eliminator, once each day that any affected source is operating. To be in compliance with the standards, the fiber-bed mist eliminator shall be operated within ± 1 inch of water column of the pressure drop value established during the initial performance test, or shall be operated within the range of compliant values for pressure drop established during multiple performance tests.

Reporting of monitoring results as per §63.347.

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 14: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement: 40CFR 63.343(c)(5), Subpart N

Item 14.1:

The Compliance Demonstration activity will be performed for the facility:



The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: P01 Emission Source: CWETA

Emission Unit: U-00001
Process: P01 Emission Source: S001A

Emission Unit: U-00001
Process: P01 Emission Source: S002A

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Wetting agent-type or combination wetting agent-type/foam blanket fume suppressants.

(ii) On and after the date on which the initial performance test is required to be completed under § 63.7, the owner or operator of an affected source shall monitor the surface tension of the electroplating or anodizing bath. Operation of the affected source at a surface tension greater than the value established during the performance test, or greater than 40 dynes/cm, as measured by a stalagmometer, or 33 dynes/cm, as measured by a tensiometer, if the owner or operator is using this value in accordance with paragraph (c)(5)(i) of this section, shall constitute noncompliance with the standards. The surface tension shall be monitored according to the following schedule:

(A) The surface tension shall be measured once every 4 hours during operation of the tank with a stalagmometer or a tensiometer as specified in Method 306B, appendix A of this part.

(B) The time between monitoring can be increased if there have been no exceedances. The surface tension shall be measured once every 4 hours of tank operation for the first 40 hours of tank operation after the compliance date. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 8 hours of tank operation. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 40 hours of tank operation on an ongoing basis, until an exceedance occurs. The minimum frequency of monitoring allowed by this subpart is once every 40 hours of tank operation.



(C) Once an exceedance occurs as indicated through surface tension monitoring, the original monitoring schedule of once every 4 hours must be resumed. A subsequent decrease in frequency shall follow the schedule laid out in paragraph (c)(5)(ii)(B) of this section. For example, if an owner or operator had been monitoring an affected source once every 40 hours and an exceedance occurs, subsequent monitoring would take place once every 4 hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation, monitoring can occur once every 8 hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation on this schedule, monitoring can occur once every 40 hours of tank operation.

(iii) Once a bath solution is drained from the affected tank and a new solution added, the original monitoring schedule of once every 4 hours must be resumed, with a decrease in monitoring frequency allowed following the procedures of paragraphs (c)(5)(ii) (B) and (C) of this section.

Reporting of monitoring results as per §63.347.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 15: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.344, Subpart N

Item 15.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B



Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Performance test requirements.

Performance tests shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance of the affected source for the period being tested. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests. Performance test results shall be documented in complete test reports that contain the information required by paragraphs (a)(1) through (9) of this section. The test plan to be followed shall be made available to the Administrator prior to the testing. Reporting as per §63.347. The testing and reporting requirements of 6 NYCRR Part 202-1 must also be met.

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

Test methods.

Each owner or operator subject to the provisions of this subpart and required by §63.343(b) to conduct an initial performance test shall use the test methods identified in this section to demonstrate compliance with the standards in §63.342.

- (1) Method 306 or Method 306A, "Determination of Chromium Emissions From Decorative and Hard Chromium Electroplating and Anodizing Operations," appendix A of this part shall be used to determine the chromium concentration from hard or decorative chromium electroplating tanks or chromium anodizing tanks. The sampling time and sample volume for each run of Methods 306 and 306A, appendix A of this part



shall be at least 120 minutes and 1.70 dscm (60 dscf), respectively. Methods 306 and 306A, appendix A of this part allow the measurement of either total chromium or hexavalent chromium emissions. For the purposes of this standard, sources using chromic acid baths must demonstrate compliance with the emission limits of §63.342 by measuring the total chromium.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 16: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.344, Subpart N

Item 16.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

iii)(A) The owner or operator of an enclosed hard chromium electroplating tank that is a new source who chooses to meet the mass emission rate standard in §63.342(c)(2)(vii) shall determine compliance by not allowing the mass rate of total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate calculated using the following equation:

$$\text{MAMER} = \text{ESTA} \times K \times 0.006 \text{ mg/dscm}$$

Where:



MAMER = the alternative emission rate for enclosed hard chromium electroplating tanks in mg/hr.
ESTA = the hard chromium electroplating tank surface area in square feet.
K = a conversion factor, 425 dscm/(sq.ft. x hr).

(B) Compliance with the alternative mass emission limit is demonstrated if the three-run average mass emission rate determined from testing using Method 306 or 306A of appendix A to part 63 is less than or equal to the maximum allowable mass emission rate calculated from the above equation.

Reporting as per §63.347.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 17: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.344, Subpart N

Item 17.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: C001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S002A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 17.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Establishing site-specific operating parameter values.

All monitoring equipment shall be installed such that representative measurements of emissions or process parameters from the affected source 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.

(i) Specifications for differential pressure measurement devices used to measure velocity pressure shall be in accordance with section 2.2 of Method 2 (40 CFR part 60, appendix A).

(ii) Specification for differential pressure measurement devices used to measure pressure drop across a control system shall be in accordance with manufacturer's accuracy specifications.

The owner or operator of a source required to measure the pressure drop across the add-on air pollution control device in accordance with §63.343(c) (1) through (4) may establish the pressure drop in accordance with the following guidelines:

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

(A) At the inlet and outlet of the control system. The inlet tap should be installed in the ductwork just prior to the control device and the corresponding outlet pressure tap should be installed on the outlet side of the control device prior to the blower or on the downstream side of the blower;

(B) On each side of the packed bed within the control system or on each side of each mesh pad within the control system; or

(C) On the front side of the first mesh pad and back side of the last mesh pad within the control system.

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



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

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

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

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

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

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

Monitoring frequency as per §63.343. Reporting as per §63.347.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 18: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.345, Subpart N

Item 18.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: P01

Emission Point: E0010
Emission Source: C001B

Emission Unit: U-00001
Process: P01

Emission Point: E0010
Emission Source: CME1B

Emission Unit: U-00001
Process: P01

Emission Point: E0010
Emission Source: CME2B

Emission Unit: U-00001
Process: P01

Emission Point: E0010
Emission Source: S001B

Emission Unit: U-00001

Emission Point: E0010



Process: P01

Emission Source: S002B

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Notification of new affected source

No person may construct a new affected source, without submitting a notification of construction to the Administrator. The notification shall contain the following information:

- (i) The owner or operator's name, title, and address;
- (ii) The address (i.e., physical location) or proposed address of the affected source if different from the owner's or operator's;
- (iii) A notification of intention to construct a new affected source or make any physical or operational changes to an affected source that may meet or has been determined to meet the criteria for a reconstruction as defined in §63.2;
- (iv) An identification of subpart N of this part as the basis for the notification;
- (v) The expected commencement and completion dates of the construction or reconstruction;
- (vi) The anticipated date of (initial) startup of the affected source;
- (vii) The type of process operation to be performed (hard or decorative chromium electroplating, or chromium anodizing);
- (viii) A description of the air pollution control technique to be used to control emissions from the affected source, such as preliminary design drawings and design capacity if an add-on air pollution control device is used; and
- (ix) An estimate of emissions from the source based on engineering calculations and vendor information on control device efficiency, expressed in units consistent with the emission limits of this subpart. Calculations of emission estimates should be in sufficient detail to permit assessment of the validity of the calculations.

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The notification shall be submitted as soon as practicable before the construction or reconstruction is planned to commence.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 19: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.346, Subpart N

Item 19.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: C001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: CWETA
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S002A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping Requirements



(a) The owner or operator of each affected source subject to these standards shall fulfill all recordkeeping requirements outlined in this section and in the General Provisions to 40 CFR part 63, according to the applicability of Subpart A of this part as identified in Table 1 of this subpart.

(b) The owner or operator of an affected source subject to the provisions of this subpart shall maintain the following records for such source:

(1) Inspection records for the add-on air pollution control device, if such a device is used, and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of §63.342(f) and Table 1 of §63.342 have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection.

(2) Records of all maintenance performed on the affected source, the add-on air pollution control device, and monitoring equipment, except routine housekeeping practices;

(3) Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control, and monitoring equipment;

(4) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.342(a)(1), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation;

(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 §63.342(f)(3);

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

(7) All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures of §63.344(e);

(8) Records of monitoring data required by §63.343(c) 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 process, add-on air pollution control, or 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 process, add-on air pollution control, or monitoring equipment;

(11) The total process operating time of the affected source during the reporting period;

(12) Records of the actual cumulative rectifier capacity of hard chromium electroplating tanks at a facility expended during each month of the reporting period, and the total capacity expended to date for a reporting period, if the owner or operator is using the actual cumulative rectifier capacity to determine facility size in accordance with §63.342(c)(2);

(13) For sources using fume suppressants to comply with the standards, records of the date and time that fume suppressants are added to the electroplating or anodizing bath and records of the fume suppressant manufacturer and product name;

(14) For sources complying with §63.342(e), records of the bath components purchased, with the wetting agent clearly identified as a bath constituent contained in one of the components;

(15) Any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements, if the source has been granted a waiver under §63.10(f); and

(16) All documentation supporting the notifications and reports required by §63.9, §63.10, and §63.347.

(c) All records shall be maintained for a period of 5 years in accordance with §63.10(b)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 20: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement: 40CFR 63.347(a), Subpart N

Item 20.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: C001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: CWETA
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S002A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected source subject to these standards shall fulfill all reporting requirements outlined in this section and in the General Provisions to 40 CFR part 63, according to the applicability of subpart A as identified in Table 1 of this subpart. These reports shall be made to the Administrator at the appropriate address as identified in §63.13 or to the delegated State authority.

(1) Reports required by subpart A of this part and this section may be sent by U.S. mail, fax, or by another



courier.

(i) Submittals sent by U.S. mail shall be postmarked on or before the specified date.

(ii) Submittals sent by other methods shall be received by the Administrator on or before the specified date.

(2) If acceptable to both the Administrator and the owner or operator of an affected source, reports may be submitted on electronic media.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 21: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.347(c)(2), Subpart N

Item 21.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a new affected source that has an initial startup after January 25, 1995 shall submit an initial notification (in addition to the notification of construction required by §63.345(b)) as follows:

(1) A notification of the date when construction was commenced, shall be submitted no later than 30 calendar



days after such date, if construction was commenced after January 25, 1995; and

(2) A notification of the actual date of startup of the source shall be submitted within 30 calendar days after such date.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 22: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.347(d), Subpart N

Item 22.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: C001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: CWETA
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S002A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:



Notification of performance test.

(1) The owner or operator of an affected source shall notify the Administrator in writing of his or her intention to conduct a performance test at least 60 calendar days before the test is scheduled to begin to allow the Administrator to have an observer present during the test. Observation of the performance test by the Administrator is optional.

(2) In the event the owner or operator is unable to conduct the performance test as scheduled, the provisions of §63.7(b)(2) apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.347(e)(2), Subpart N

Item 23.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Notification of compliance status.

If the State has been delegated the authority, the notification of compliance status shall be submitted to the appropriate authority. The notification shall list for



each affected source:

- (i) The applicable emission limitation and the methods that were used to determine compliance with this limitation;
- (ii) If a performance test is required by this subpart, the test report documenting the results of the performance test, which contains the elements required by §63.344(a), including measurements and calculations to support the special compliance provisions of §63.344(e) if these are being followed;
- (iii) The type and quantity of hazardous air pollutants emitted by the source reported in mg/dscm or mg/hr if the source is using the special provisions of §63.344(e) to comply with the standards. (If the owner or operator is subject to the construction and reconstruction provisions of §63.345 and had previously submitted emission estimates, the owner or operator shall state that this report corrects or verifies the previous estimate.) For sources not required to conduct a performance test in accordance with §63.343(b), the surface tension measurement may fulfill this requirement;
- (iv) For each monitored parameter for which a compliant value is to be established under §63.343(c), the specific operating parameter value, or range of values, that corresponds to compliance with the applicable emission limit;
- (v) The methods that will be used to determine continuous compliance, including a description of monitoring and reporting requirements, if methods differ from those identified in this subpart;
- (vi) A description of the air pollution control technique for each emission point;
- (vii) A statement that the owner or operator has completed and has on file the operation and maintenance plan as required by the work practice standards in §63.342(f);
- (viii) If the owner or operator is determining facility size based on actual cumulative rectifier capacity in accordance with §63.342(c)(2), records to support that the facility is small. For existing sources, 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. For new sources, records of projected rectifier capacity for the



first 12-month period of tank operation shall be used;

(ix) A statement by the owner or operator of the affected source as to whether the source has complied with the provisions of this subpart.

For sources required to conduct a performance test by §63.343(b), the notification of compliance status shall be submitted to the Administrator no later than 90 calendar days following completion of the compliance demonstration required by §63.7 and §63.343(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.347(f), Subpart N

Item 24.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Report of performance test results.

(1) If the State has been delegated the authority, the owner or operator of an affected source should report performance test results to the appropriate authority.



(2) Reports of performance test results shall be submitted no later than 90 days following the completion of the performance test (Note 6NYCRR Part 202-1 requires a final test report to be submitted within 60 days following test completion), and shall be submitted as part of the notification of compliance status required by paragraph (e) of this section.

(3) Within 60 days after the date of completing each performance test (defined in §63.2) as required by this subpart, you must submit the results of the performance tests, including any associated fuel analyses, required by this subpart to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see <http://www.epa.gov/ttn/chief/ert/index.html>). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. Owners or operators who claim that some of the information being submitted for performance tests is confidential business information (CBI) must submit a complete ERT file including information claimed to be CBI on a compact disk, flash drive or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to the EPA via CDX as described earlier in this paragraph. At the discretion of the delegated authority, you must also submit these reports, including the confidential business information, to the delegated authority in the format specified by the delegated authority. For any performance test conducted using test methods that are not listed on the ERT Web site, the owner or operator shall submit the results of the performance test to the Administrator at the appropriate address listed in §63.13.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable Federal Requirement:40CFR 63.347(h), Subpart N



Item 25.1:

The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: C001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: C001B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME1B
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: CME2B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: CWETA
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S001A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S001B
Emission Unit: U-00001 Process: P01	Emission Point: E0001 Emission Source: S002A
Emission Unit: U-00001 Process: P01	Emission Point: E0010 Emission Source: S002B

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Ongoing compliance status reports for area sources.

(1) The owner or operator of an affected source that is located at an area source site shall prepare a summary report to document the ongoing compliance status of the affected source. The report shall contain the information identified in paragraph (g)(3) of this section, shall be completed annually and retained on site, and made available to the Administrator upon request. The report shall be completed annually except as provided in paragraph (h)(2) of this section.

(2) Reports of exceedances.

(i) If either of the following conditions is met,



semiannual reports shall be prepared and submitted to the Administrator:

(A) The total duration of excess emissions (as indicated by the monitoring data collected by the owner or operator of the affected source in accordance with §63.343(c)) is 1 percent or greater of the total operating time for the reporting period; or

(B) The total duration of malfunctions of the add-on air pollution control device and monitoring equipment is 5 percent or greater of the total operating time.

(ii) Once an owner or operator of an affected source reports an exceedance as defined in paragraph (h)(2)(i) of this section, ongoing compliance status reports shall be submitted semiannually until a request to reduce reporting frequency under paragraph (h)(3) of this section is approved.

(iii) The Administrator may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the source.

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

(i) An owner or operator who is required to submit ongoing compliance status reports on a semiannual (or more frequent) basis, or is required to submit its annual report instead of retaining it on site, may reduce the frequency of reporting to annual and/or be allowed to maintain the annual report onsite 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 affected source is in compliance with the relevant emission limit;

(B) The owner or operator continues to comply with all applicable recordkeeping and monitoring requirements of subpart A of this part and this subpart; and

(C) The Administrator does not object to a reduced reporting frequency for the affected source, as provided in paragraphs (h)(3) (ii) and (iii) of this section.



(ii) The frequency of submitting ongoing compliance status reports may be reduced only after the owner or operator notifies the Administrator in writing of his or her intention to make such a change, and the Administrator does not object to the intended change. In deciding whether to approve a reduced reporting frequency, the Administrator may review information concerning the source's previous performance history during the 5-year recordkeeping period prior to the intended change, or the recordkeeping period since the source's compliance date, whichever is shorter. Records subject to review may include performance test results, monitoring data, and evaluations of an owner or operator's conformance with emission limitations and work practice standards. Such information may be used by the Administrator to make a judgement about the source's potential for noncompliance in the future. If the Administrator disapproves the owner or operator's request to reduce reporting frequency, the Administrator will notify the owner or operator in writing within 45 days after receiving notice of the owner or operator's intention. The notification from the Administrator to the owner or operator 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 monitoring data required by §63.343(c) show that the source is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semiannual, and the owner 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 owner or operator may again request approval from the Administrator to reduce the reporting frequency as allowed by paragraph (h)(3) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 26: Contaminant List
Effective between the dates of 06/26/2014 and 06/25/2024



Applicable State Requirement:ECL 19-0301

Item 26.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 0NY075-00-0

Name: PARTICULATES

**Condition 27: Malfunctions and start-up/shutdown activities
Effective between the dates of 06/26/2014 and 06/25/2024**

Applicable State Requirement:6 NYCRR 201-1.4

Item 27.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that

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such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 28: Emission Unit Definition
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 28.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00001

Emission Unit Description:

Chrome operations consisting of chrome electroplating, chrome prepping station, and chrome stripping.

Building(s): BLDG1

Item 28.2:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00002

Emission Unit Description:

This unit consists of a Copperstar alkaline copper plating unit and three Copperstar acid copper plating units.

Building(s): BLDG1

Item 28.3:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-00004

Emission Unit Description:

This unit contains operations associated with the laser engraving process (including cleaning & decoating, spray coating, spray etching, and laser engraving unit).

Building(s): BLDG1

Condition 29: Renewal deadlines for state facility permits
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable State Requirement:6 NYCRR 201-5.2 (c)

Item 29.1:

The owner or operator of a facility having an issued state facility permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Condition 30: Compliance Demonstration
Effective between the dates of 06/26/2014 and 06/25/2024

Applicable State Requirement:6 NYCRR 201-5.3 (c)

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Item 30.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 7
615 Erie Blvd West
Syracuse, NY 13204

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 31: Visible Emissions Limited

Effective between the dates of 06/26/2014 and 06/25/2024

Applicable State Requirement:6 NYCRR 211.2

Item 31.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

****** Emission Unit Level ******

Condition 32: Emission Point Definition By Emission Unit

Effective between the dates of 06/26/2014 and 06/25/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 32.1:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001

Emission Point: E0001

Height (ft.): 18

Diameter (in.): 12

NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Emission Point: E0002

Height (ft.): 22

Diameter (in.): 8

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NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Emission Point: E0003

Height (ft.): 19 Diameter (in.): 8
NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Emission Point: E0010

Height (ft.): 20 Diameter (in.): 8
NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Item 32.2:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00002

Emission Point: E0004

Height (ft.): 18 Diameter (in.): 8
NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Emission Point: E0005

Height (ft.): 18 Diameter (in.): 8
NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Emission Point: E0006

Height (ft.): 17 Diameter (in.): 8
NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Emission Point: E0007

Height (ft.): 18 Diameter (in.): 8
NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Item 32.3:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00004

Emission Point: E0008

Height (ft.): 18 Diameter (in.): 6
NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Emission Point: E0009

Height (ft.): 19 Diameter (in.): 6
NYTMN (km.): 4789.414 NYTME (km.): 393.589 Building: BLDG1

Condition 33: Process Definition By Emission Unit

Effective between the dates of 06/26/2014 and 06/25/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 33.1:

This permit authorizes the following regulated processes for the cited Emission Unit:



Emission Unit: U-00001
Process: P01 Source Classification Code: 3-09-010-06

Process Description:

Chrome electroplating process: A prepared cylinder is placed in one of two vertical electroplating tanks. Cylinders are electroplated in a chromic acid bath until the appropriate plating thickness is achieved. Air emissions from the two units are exhausted through a common stack and sent to a scrubber prior to discharge from the main building. The two vertical tanks are to be replaced by two horizontal tanks. The vertical tanks will be decommissioned following the commissioning of the horizontal tanks.

Emission Source/Control: C001A - Control
Control Type: SCRUBBER - PACKED BED

Emission Source/Control: C001B - Control
Control Type: COMPOSITE MESH-PAD

Emission Source/Control: CME1B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: CME2B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: CWETA - Control
Control Type: WETTING AGENT - CHEMICAL FUME
SUPPRESSANT

Emission Source/Control: S001A - Process

Emission Source/Control: S001B - Process

Emission Source/Control: S002A - Process

Emission Source/Control: S002B - Process

Item 33.2:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: P02 Source Classification Code: 3-09-010-06

Process Description:

Chrome prepping station: Surface preparation chemicals are used to prepare a cylinder for chrome plating. Different fluids may be used depending on the type of cylinder being prepared. Air emissions from this process are vented within the main building. The chrome washup tank is to be decommissioned when the new chrome line (S001B & S002B) is installed.



Emission Source/Control: S0003 - Process

Item 33.3:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001

Process: P03

Source Classification Code: 3-09-010-06

Process Description:

Chrome stripping process: Acidic cleaning solution is used to strip existing plate layers from used cylinders. Once stripped, the cylinders are cleaned with a solution prior to the next step. Air emissions are vented through a single stack and are directed to a scrubber prior to discharge from the main building.

Emission Source/Control: C0002 - Control
Control Type: SCRUBBER - PACKED BED

Emission Source/Control: C0003 - Control
Control Type: SCRUBBER - PACKED BED

Emission Source/Control: S0004 - Process

Emission Source/Control: S0005 - Process

Item 33.4:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00002

Process: P05

Source Classification Code: 3-09-010-04

Process Description:

Copperstar Alkaline Copper Plating: A cylinder is placed in an alkaline bath to provide initial copper electroplating layer to a cylinder at 50% submersion. Air emissions from the alkaline copper plating unit are exhausted through a single stack.

Emission Source/Control: S0007 - Process

Item 33.5:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00002

Process: P06

Source Classification Code: 3-09-010-04

Process Description:

Copperstar Acid Copper Plating: A cylinder is placed in one of three high speed copper electroplating machines at 50% submersion. Cylinders are coated with copper until the appropriate plating thickness is achieved. Air emissions from the two acid copper plating units are exhausted through individual stacks.



Emission Source/Control: S0008 - Process

Emission Source/Control: S0009 - Process

Emission Source/Control: S0010 - Process

Item 33.6:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00004

Process: P08

Source Classification Code: 4-02-025-01

Process Description:

Spray Coating: The spray coating machine applies a black lacquer coating in order to prepare the cylinders and sleeves for the laser. Air emissions from the unit are exhausted through a stack from the main building.

Emission Source/Control: S0012 - Process

Item 33.7:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00004

Process: P09

Source Classification Code: 3-09-010-06

Process Description:

Laser Engraving: The laser unit uses a fiber laser for imaging specially coated gravure cylinders.

Emission Source/Control: S0013 - Process

Item 33.8:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00004

Process: P10

Source Classification Code: 3-09-010-06

Process Description:

Spray Etching: In the spray etching machine, the screen dots, which were opened by the laser engraving, are etched with a ferric chloride solution. Air emissions are exhausted through a stack and sent to a scrubber prior to discharge from the main building.

Emission Source/Control: C0004 - Control
Control Type: SCRUBBER - PACKED BED

Emission Source/Control: S0014 - Process

Item 33.9:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00004

Process: P11

Source Classification Code: 4-02-025-02

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Permit ID: 7-3554-00088/00004

Facility DEC ID: 7355400088



Process Description:

Cleaning & Decoating: The cleaning and decoating unit is required for cleaning and degreasing the cylinders before being coated. The unit is also used for decoating the cylinders after the spray etching process. Air emissions from the unit are exhausted through a stack from the main building.

Emission Source/Control: C0004 - Control
Control Type: SCRUBBER - PACKED BED

Emission Source/Control: S0015 - Process

