



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 1-4728-04227/00001
Effective Date: 03/19/2009 Expiration Date: No expiration date

Permit Issued To: ASTRO ELECTROPLATING INC
171 4TH AVE
BAY SHORE, NY 11706

Contact: NEIL WEINSTEIN
ASTRO ELECTROPLATING INC
171 FOURTH AVE
BAY SHORE, NY 11706
(631) 694-0927

Facility: ASTRO ELECTROPLATING INC
171 4TH AVE
BAY SHORE, NY 11706

Contact: NEIL WEINSTEIN
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171 FOURTH AVE
BAY SHORE, NY 11706
(631) 694-0927

Description:
ASTRO ELECTROPLATING moved from its old location at 170 Central Ave., Farmingdale to the new facility in Bay Shore in 2004. The facility operates a decorative chromium and nickel automated electroplating process and a waste treatment system. Air pollution control measures consist of a fume scrubber and wetting agents which reduce surface tension of plating baths.

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: SUSAN ACKERMAN
NYSDEC - SUNY @ STONY BROOK
50 CIRCLE RD
STONY BROOK, NY 11790-3409

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 1
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: 6NYCRR 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: 6NYCRR 621.13

Item 4.1:

The Department reserves the right 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 1 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409
(631) 444-0365



Permit Under the Environmental Conservation Law (ECL)

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

IDENTIFICATION INFORMATION

Permit Issued To: ASTRO ELECTROPLATING INC
171 4TH AVE
BAY SHORE, NY 11706

Facility: ASTRO ELECTROPLATING INC
171 4TH AVE
BAY SHORE, NY 11706

Authorized Activity By Standard Industrial Classification Code:
3471 - ELECTROPLATING, POLISHING, ANODIZING, AND COLORING

Permit Effective Date: 03/19/2009
date.

Permit Expiration Date: No expiration
date.



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 1 HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 40CFR 63.342, Subpart N: Compliance Demonstration
- 2 40CFR 63.342, Subpart N: Compliance Demonstration

Emission Unit Level

EU=U-00001

- 3 40CFR 63.342(f)(3), Subpart N: Compliance Demonstration
- 4 40CFR 63.346, Subpart N: Compliance Demonstration
- 5 40CFR 63.347, Subpart N: Compliance Demonstration

EU=U-00001,EP=EP001

- 6 40CFR 63.342(f), Subpart N: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 7 ECL 19-0301: Contaminant List
- 8 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 9 6NYCRR 201-5: Emission Unit Definition
- 10 6NYCRR 211.2: Air pollution prohibited
- 12 6NYCRR 212.6(a): Compliance Demonstration
- 11 6NYCRR 212.9(b): Compliance Demonstration
- 13 6NYCRR 212.9(b): Compliance Demonstration

Emission Unit Level

- 14 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 15 6NYCRR 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 - 6NYCRR Part 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 - 6NYCRR Part 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 - 6NYCRR Part 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 - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR 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 - 6NYCRR Part 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 - 6NYCRR Part 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 - 6NYCRR Part 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 Part 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 Part 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 Part 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 6NYCRR Part 202-1.

Item K: Visible Emissions Limited - 6 NYCRR Part 211.3

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.

Item L: Open Fires - 6 NYCRR Part 215

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Item M: 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 N: 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: Compliance Demonstration
Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.342, Subpart N

Item 1.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 018540-29-9 CHROMIUM(VI)

CAS No: 007738-94-5 CHROMIC ACID

Item 1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Electrolytic tanks containing chromium solutions shall have their surface tension measured daily using a calibrated tensiometer or stalagmometer. A wetting agent shall be added to the tanks as necessary to maintain the solution surface tension below the requirement of 45 dynes/cm when measured with a stalagmometer or 35 dynes/cm when measured with a tensiometer.

Solution surface tension and instrument calibration records shall be kept on file for five years.

Reference Test Method: 306B

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

Subsequent reports are due every 6 calendar month(s).

Condition 2: Compliance Demonstration
Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.342, Subpart N

Item 2.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 018540-29-9 CHROMIUM(VI)



Item 2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

During tank operation, each owner or operator of a decorative electroplating tank shall control chromium emissions discharged to the atmosphere from that affected source by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.01 milligrams of total chromium per dry standard cubic meter of ventilation air.

Compliance shall be determined according to the monitoring provisions listed under 40CFR63.343(c).

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0.01 milligrams per dry standard cubic meter

Reference Test Method: 306

Monitoring Frequency: Once every five years

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2010.

Subsequent reports are due every 12 calendar month(s).

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

Condition 3: Compliance Demonstration

Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.342(f)(3), Subpart N

Item 3.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 018540-29-9 CHROMIUM(VI)

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected source shall prepare an Operation and Maintenance Plan including the following elements:



(1) The plan shall specify the operation and maintenance criteria for the affected source, air pollution control devices, process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment.

(2) The plan shall specify procedures to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur and a systematic procedure for identifying malfunctions and for implementing corrective actions to address such malfunctions.

The initial written Operation and Maintenance Plan shall be submitted to the DEC within 30 days of permit issuance. Thereafter, the plan shall be reviewed and updated annually and kept on record at the facility, to be made available for inspection upon request, for the life of the affected source.

To satisfy the requirements, 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 plans meet the requirements outlined above.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2010.
Subsequent reports are due every 12 calendar month(s).

Condition 4: Compliance Demonstration
Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.346, Subpart N

Item 4.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 018540-29-9 CHROMIUM(VI)

Item 4.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:



The owner or operator of an affected source shall maintain the following records:

- (1) Usage records of all bath components purchased for use in the electroplating process, with the wetting agent clearly identified as a bath constituent contained in one of the components;
- (2) The total process operating time of the affected source during the reporting period;
- (3) Records of the date and time that fume suppressants are added to the electroplating or anodizing bath;
- (4) 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, air pollution control, or monitoring equipment;
- (5) Records of the occurrence, duration, and cause (if known) of each malfunction of process, air pollution control, and monitoring equipment and actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;
- (6) Records of all maintenance performed on the affected source, the air pollution control device, and monitoring equipment;
- (7) Inspection records for air pollution control devices and monitoring equipment. The record can take the form of a checklist and shall 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.
- (8) Test reports documenting results of all performance tests.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

Subsequent reports are due every 6 calendar month(s).

Condition 5: Compliance Demonstration
Effective between the dates of 03/19/2009 and Permit Expiration Date



total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes;

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

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

(10) The date of the report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2010.

Subsequent reports are due every 12 calendar month(s).

Condition 6: Compliance Demonstration
Effective between the dates of 03/19/2009 and Permit Expiration Date

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

Item 6.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: EP001

Regulated Contaminant(s):

CAS No: 018540-29-9

CHROMIUM(VI)

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The wet fume scrubber shall be inspected quarterly including:

(1) A visual inspection of the device to ensure there is proper drainage, no acid buildup on the pads or packed beds, and no evidence of chemical attack on the structural integrity of the device;

(2) A visual inspection of the back portion of the mesh pad closest to the fan or chevron blade mist eliminator to ensure there is no breakthrough of acid mist;

(3) A visual inspection of the duct work from tank to the



control device to ensure there are no leaks;

(4) A wash down or replacement of the filter media as recommended by the manufacturer.

Monitoring Frequency: QUARTERLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2010.

Subsequent reports are due every 12 calendar month(s).



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 - 6NYCRR Part 201-1.10(a)

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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 7: Contaminant List
Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 7.1:

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

CAS No: 000143-33-9
Name: SODIUM CYANIDE

CAS No: 000151-50-8
Name: POTASSIUM CYANIDE

CAS No: 001336-21-6
Name: AMMONIUM HYDROXIDE

CAS No: 007439-92-1
Name: LEAD

CAS No: 007440-02-0
Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

CAS No: 007440-31-5
Name: TIN

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 007647-10-1
Name: PALLADIUM CHLORIDE (PDC12) (8CI9CI)

CAS No: 007664-93-9
Name: SULFURIC ACID

CAS No: 007697-37-2
Name: NITRIC ACID

CAS No: 007718-54-9
Name: NICKEL CHLORIDE

CAS No: 007727-54-0
Name: PEROXYDISULFURIC ACID ; DIPOTASSIUM SALT

CAS No: 007738-94-5
Name: CHROMIC ACID

CAS No: 007758-98-7
Name: SULFURIC ACID COPPER(2+)SALT(1:1) CU.H2O4S

CAS No: 007786-81-4



Name: SULFURIC ACID, NICKEL(2+) SALT (1:1)

CAS No: 018540-29-9

Name: CHROMIUM(VI)

CAS No: 0NY075-00-0

Name: PARTICULATES

**Condition 8: Unavoidable noncompliance and violations
Effective between the dates of 03/19/2009 and Permit Expiration Date**

Applicable State Requirement:6NYCRR 201-1.4

Item 8.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which



result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 9: Emission Unit Definition
Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-5

Item 9.1:

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

Emission Unit: U-00001

Emission Unit Description:

Decorative electroplating production floor with approximately 80 tanks containing the following: rinse water (tanks 3,4, 11-15, 18,19, 21, 22, 25, 26, 35, 37-39, 50, 51, 53, 54, 57-58, 60, 64-68, 74, 76-79), nitric acid (5-7, 75), chromic acid (8-10, 61-63), sulfuric acid (8-10, 27-34), hydrochloric acid (16, 17, 20, 73) , palladium chloride (17), nickel chloride (23, 24, 40-49, 52), ammonium hydroxide (23, 24), copper sulfate (27-24), ammonium persulfate (36), nickel sulfate (40-49, 52), nickel-tin (55), gold potassium cyanide (56, 80, 81), and cyanide brass/sodium cyanide (59). Plating line emissions are captured by four exhaust vents that lead to a roof scrubber. The production floor also includes a set of wastewater evaporators vented to the same rooftop scrubber.

Condition 10: Air pollution prohibited
Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable State Requirement:6NYCRR 211.2

Item 10.1:

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 12: Compliance Demonstration
Effective between the dates of 03/19/2009 and Permit Expiration Date



Applicable State Requirement:6NYCRR 212.6(a)

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2010.

Subsequent reports are due every 12 calendar month(s).

Condition 11: Compliance Demonstration
Effective between the dates of 03/19/2009 and Permit Expiration Date



Applicable State Requirement:6NYCRR 212.9(b)

Item 11.1:

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

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 001336-21-6	AMMONIUM HYDROXIDE
CAS No: 007440-31-5	TIN
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 007647-10-1	PALLADIUM CHLORIDE (PDC12) (8CI9CI)
CAS No: 007664-93-9	SULFURIC ACID
CAS No: 007697-37-2	NITRIC ACID
CAS No: 007727-54-0	PEROXYDISULFURIC ACID ; DIPOTASSIUM

SALT

CAS No: 007758-98-7	SULFURIC ACID COPPER(2+)SALT(1:1) CU.H2O4S
CAS No: 0NY075-00-0	PARTICULATES

Item 11.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Gas or liquid particulate emissions with a DEC environmental rating of "B" of ten pounds per hour or greater, as defined by emission rate potential, shall be controlled to 90% or greater.

Best Available Control Technology (BACT) may be substituted.

Facility usage records demonstrating an emission rate potential of less than ten pounds per hour for each contaminant may be substituted for emissions testing.

Upper Permit Limit: 90 percent reduction by weight

Reference Test Method: Approved EPA Method

Monitoring Frequency: Once every five years

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2010.

Subsequent reports are due every 12 calendar month(s).

Condition 13: Compliance Demonstration
Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable State Requirement:6NYCRR 212.9(b)



Item 13.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000143-33-9	SODIUM CYANIDE
CAS No: 000151-50-8	POTASSIUM CYANIDE
CAS No: 007439-92-1	LEAD
CAS No: 007440-02-0	NICKEL METAL AND INSOLUBLE

COMPOUNDS

CAS No: 007718-54-9	NICKEL CHLORIDE
CAS No: 007786-81-4	SULFURIC ACID, NICKEL(2+) SALT (1:1)
CAS No: 0NY075-00-0	PARTICULATES

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Gas, liquid, or solid particulate emissions with a DEC environmental rating of "A" of one pound per hour or greater, as defined by emission rate potential, shall be controlled to 99% or greater.

Best Available Control Technology (BACT) may be substituted with permission.

Facility usage records demonstrating an emission rate potential of less than one pound per hour for each contaminant may be substituted for emissions testing.

Upper Permit Limit: 99 percent reduction by weight

Reference Test Method: Approved EPA Method

Monitoring Frequency: Once every five years

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2010.

Subsequent reports are due every 12 calendar month(s).

**** Emission Unit Level ****

Condition 14: Emission Point Definition By Emission Unit

Effective between the dates of 03/19/2009 and Permit Expiration Date

Applicable State Requirement:6NYCRR 201-5



Item 14.1:

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

Emission Unit: U-00001

Emission Point: EP001

Height (ft.): 28

Diameter (in.): 34

**Condition 15: Process Definition By Emission Unit
Effective between the dates of 03/19/2009 and Permit Expiration Date**

Applicable State Requirement:6NYCRR 201-5

Item 15.1:

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

Emission Unit: U-00001

Process: P01

Process Description:

Decorative chrome electroplating production floor exhaust

Emission Source/Control: SC001 - Control

Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: SC002 - Control

Control Type: WETTING AGENT - CHEMICAL FUME
SUPPRESSANT

Emission Source/Control: SC003 - Process

Item 15.2:

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

Emission Unit: U-00001

Process: P02

Process Description:

Wastewater evaporators discharging 3000 scfm to fume
scrubber.

Emission Source/Control: SC001 - Control

Control Type: SODIUM-ALKALI SCRUBBING

Emission Source/Control: SC003 - Process

New York State Department of Environmental Conservation

Permit ID: 1-4728-04227/00001

Facility DEC ID: 1472804227

