



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 1-2822-01225/00001  
Mod 0 Effective Date: 10/08/2002 Expiration Date: No expiration date.

Mod 1 Effective Date: Expiration Date:

Permit Issued To: TRIUMPH STRUCTURES - LONG ISLAND LLC  
717 MAIN ST  
WESTBURY, NY 11590

Contact: LEONARD GROSS  
TRIUMPH STRUCTURES LONG ISLAND LLC  
717 MAIN ST  
WESTBURY, NY 11590  
(516) 997-5757

Facility: AIRCRAFT PROTECTIVE SYSTEMS A DIV OF TRIUMPH STRUCTURES  
LI LLC  
88 URBAN AVE  
WESTBURY, NY 11590

Contact: MARGARET A KLIEBER-SCHRECK  
AIRCRAFT PROTECTIVE SYSTEMS  
88 URBAN AVE  
WESTBURY, NY 11590  
(516) 997-5757

Description:  
Aircraft Protective Systems is involved in chromium and sulfuric acid anodizing and spray coating of aerospace aluminum and steel parts. The 2 Emission Units of the facility consist of coating in spray booths and drying of coated parts in an oven, and cleaning and anodizing of aluminum and steel parts in chromium and sulfuric acid baths. The spray coating and drying unit consists of 5 Emission Points which are associated with 3 spray booths and two drying ovens. The cleaning and anodizing consists of 2 Emission Points which are associated with emissions from chromic and sulfuric acid anodizing tanks.

**New York State Department of Environmental Conservation**  
Facility DEC ID: 1282201225



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
  - Applications for Permit Renewals and Modifications
  - Permit modifications, suspensions or revocations by the Department
  - Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

- Submission of Applications for Permit Modification or Renewal-REGION 1 HEADQUARTERS
- 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 1-1: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 1-1.1:**

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 1-1.2:**

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 1-1.3:**

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.

GENERAL CONDITIONS - DEC PERMITS - 1282201225



**Applicable State Requirement: 6 NYCRR 621.13**

**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 1-2: Permit modifications, suspensions or revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.13**

**Item 1-2.1:**

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.

**Condition 4: Permit Modifications, Suspensions and Revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.14**

**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



the Department related to the permitted activity.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 1 HEADQUARTERS**

**Applicable State Requirement: 6 NYCRR 621.5 (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  
SUNY Campus, Loop Road, Building 40  
Stony Brook, NY 11790-2356  
(631) 444-0365

**Condition 1-3: Submission of application for permit modification or renewal - REGION 1**

**HEADQUARTERS**

**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 1-3.1:**

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

**New York State Department of Environmental Conservation**

Permit ID: 1-2822-01225/00001

Facility DEC ID: 1282201225



**Permit Under the Environmental Conservation Law (ECL)**

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

**IDENTIFICATION INFORMATION**

Permit Issued To: TRIUMPH STRUCTURES - LONG ISLAND LLC  
717 MAIN ST  
WESTBURY, NY 11590

Facility: AIRCRAFT PROTECTIVE SYSTEMS A DIV OF TRIUMPH  
STRUCTURES LI LLC  
88 URBAN AVE  
WESTBURY, NY 11590

Authorized Activity By Standard Industrial Classification Code:  
3471 - ELECTROPLATING, POLISHING, ANODIZING, AND COLORING  
3479 - METAL COATING AND ALLIED SERVICES, NEC

Permit Effective Date:

Permit Expiration Date:



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1-1 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- \*1-2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 1-3 6 NYCRR 211.1: Air pollution prohibited

#### Emission Unit Level

##### EU=1-PAINT,Proc=SPO

- 2 : Compliance Demonstration

##### EU=2-ANODZ,Proc=ANO,ES=CANOD

- 1-4 40CFR 63.340(b), Subpart N: Part 63 General Provisions requirements
- 1-5 40CFR 63.342(d)(2), Subpart N: Compliance Demonstration
- 11 40CFR 63.346(b), Subpart N: Compliance Demonstration

##### EU=2-ANODZ,EP=00004,Proc=ANO,ES=CANOD

- 15 40CFR 63.342(d)(1), Subpart N: Compliance Demonstration

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 17 ECL 19-0301: Contaminant List
- 1-6 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 19 6 NYCRR Subpart 201-5: Emission Unit Definition
- 1-7 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 1-8 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 1-9 6 NYCRR 211.2: Visible Emissions Limited

#### Emission Unit Level

- 21 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 22 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.



**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 1-1: Facility Permissible Emissions**



**Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 1-1.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY998-00-0 (From Mod 1) PTE: 50,000 pounds  
per year  
Name: VOC

**Condition 1-2: Capping Monitoring Condition**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 1-2.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-1

**Item 1-2.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 1-2.3:**

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.

**Item 1-2.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 1-2.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 1-2.6:**

**New York State Department of Environmental Conservation**

Permit ID: 1-2822-01225/00001

Facility DEC ID: 1282201225



The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):  
CAS No: 0NY998-00-0    VOC

**Item 1-2.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes  
Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE  
Monitoring Description:  
VOC emissions from the facility are limited to 22.5 tons  
per year.

Parameter Monitored: VOC  
Upper Permit Limit: 50000 pounds per year  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 12 calendar month(s).

**Condition 1-3:    Air pollution prohibited  
Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 1-3.1:**

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.

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

**Condition 2:    Compliance Demonstration  
Effective between the dates of 10/08/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 2.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-PAINT

New York State Department of Environmental Conservation

Permit ID: 1-2822-01225/00001

Facility DEC ID: 1282201225



Process: SPO

Regulated Contaminant(s):

CAS No: 007789-06-2 STRONTIUM CHROMATE

**Item 2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Coating/solvent usage records and particulate filters on spray booths will be maintained and emission factors or test methods employed which demonstrate that the strontium chromate emissions are kept below 10 pounds per year. Strontium chromate is a highly toxic compound and is thus assigned the environmental rating A. Its emission rate needs to be limited in order to avoid the installation of best available control technology.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: PAINT

Parameter Monitored: STRONTIUM CHROMATE

Upper Permit Limit: 10 pounds per year

Reference Test Method: EPA Method 301

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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

**Condition 1-4: Part 63 General Provisions requirements  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.340(b), Subpart N**

**Item 1-4.1:**

This Condition applies to Emission Unit: 2-ANODZ

Process: ANO

Emission

Source: CANOD

**Item 1-4.2:**

Owners or operators of affected sources subject to 40CFR63 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.



**Condition 1-5: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.342(d)(2), Subpart N**

**Item 1-5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-ANODZ  
Process: ANO Emission Source: CANOD  
Regulated Contaminant(s):  
CAS No: 007440-47-3 CHROMIUM

**Item 1-5.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

When a chemical fume suppressant containing a wetting agent is used, the permittee shall control chromium emissions to the atmosphere by not allowing the surface tension of the electroplating or anodizing bath contained within the affected source to exceed 45 dynes per centimeter at any time during operation of the tank.

Compliance shall be determined according to the methods and schedule in 40 CFR §63.343(c)(5)(ii). The schedule provides for measuring the surface tension up to once every four hours of operation during 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. Then once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 40 hours of tank operation. The minimum frequency of monitoring allowed is once every 40 hours of tank operation.

Once an exceedance occurs, the original monitoring schedule of once every 4 hours must be resumed.

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.

Parameter Monitored: SURFACE TENSION  
Upper Permit Limit: 45.0 dynes per centimeter  
Reference Test Method: 40CFR63 Method 306B  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 11: Compliance Demonstration**  
**Effective between the dates of 10/08/2002 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.346(b), Subpart N**

**Expired by Mod 1**

**Item 11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-ANODZ

Process: ANO

Emission Source: CANOD

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of the chromium anodizer tank subject to the provisions of 40CFR63.342(d)(1) (not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.01 mg/dscm) shall maintain the following records for such a source:

1. Records of all maintenance performed on the affected source, the add-on air pollution control device, and monitoring equipment.
2. Records of the occurrence, duration, and cause of each malfunction of process, add-on air pollution control, and monitoring equipment.
3. Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan.
4. Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by 40CFR63.342(f)(3).
5. Records of monitoring data required by 40CFR63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected.
6. 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.

7. 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.

8. The total process operating time of the affected source during the reporting period.

9. 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 tank.

10. All documentation supporting the notification and reports required by 40CFR63.9, 40CFR63.10, and 40CFR63.347.

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 4/30/2003.

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

**Condition 15: Compliance Demonstration**  
**Effective between the dates of 10/08/2002 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 15.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-ANODZ  
Process: ANO

Emission Point: 00004  
Emission Source: CANOD

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

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1. Chromium emissions from the anodizing tank shall be

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maintained below 0.01 mg/dscm by maintaining a pressure drop across the composite mesh-pad scrubber system as determined by a testing procedure. The owner/operator of the facility shall perform this test within two (2) months of the date of the permit, based on a stack test protocol submitted to the Department for approval.

2. The pressure drop determined by testing shall be subsequently monitored by taking pressure gage readings at least once every 3 hours of tank operation and the average daily value shall be recorded and reported.

3. An exceedance in chromium emissions is defined as the pressure drop across the mesh-pad which falls outside of the compliance limits.

Manufacturer Name/Model Number: KIMRE/B-GON COMPOSITE MESH PAD

Parameter Monitored: CHROMIUM

Upper Permit Limit: 0.01 milligrams per dry standard  
cubic meter

Reference Test Method: EPA Method 306

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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 - 6 NYCRR 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 17: Contaminant List**

**Effective between the dates of 10/08/2002 and Permit Expiration Date**

**Applicable State Requirement:ECL 19-0301**

**Item 17.1:**

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: 007664-93-9

Name: SULFURIC ACID

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY998-00-0

Name: VOC

**Condition 1-6: Malfunctions and start-up/shutdown activities**

**Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 1-6.1:**

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

**Condition 19: Emission Unit Definition**  
**Effective between the dates of 10/08/2002 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 19.1(From Mod 1):**

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

Emission Unit: 1-PAINT

Emission Unit Description:

The Emission Unit consists of three spray booths where the metal parts are coated with compliant paints, and two curing ovens where the parts are dried. The emissions from spray booths and curing oven are vented through five emission points. Emissions from the paint storage room are exempted because the paints stored at this location are kept in closed containers.

Building(s): HDQ

**Item 19.2(From Mod 1):**

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

Emission Unit: 2-ANODZ

Emission Unit Description:

The Emission Unit consists of alkaline cleaning, etching, deoxidizing, and anodizing processes. The emissions from chromic anodizing tank are controlled by a chemical fume suppressant prior of being vented through the Emission Point 4. Emissions from the sulfuric acid bath are vented through the Emission Point 5.

Building(s): HDQ

**Condition 1-7: Renewal deadlines for state facility permits**  
**Effective for entire length of Permit**

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

**Item 1-7.1:**

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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 1-8: Compliance Demonstration**  
**Effective for entire length of Permit**

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

**Item 1-8.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-8.2:**

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 1  
SUNY at Stony Brook  
Building 40  
Stony Brook, NY 11790-2356

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-9: Visible Emissions Limited**  
**Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 1-9.1:**

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 21: Emission Point Definition By Emission Unit**  
**Effective between the dates of 10/08/2002 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR Subpart 201-5**



**Item 21.1(From Mod 1):**

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

Emission Unit:	1-PAINT		
Emission Point:	00001		
Height (ft.):	22	Diameter (in.):	24
NYTMN (km.):	4514.1	NYTME (km.):	621. Building: HDQ
Emission Point:	00002		
Height (ft.):	22	Diameter (in.):	24
NYTMN (km.):	4514.1	NYTME (km.):	621. Building: HDQ
Emission Point:	00003		
Height (ft.):	22	Diameter (in.):	12
NYTMN (km.):	4514.1	NYTME (km.):	621. Building: HDQ
Emission Point:	00006		
Height (ft.):	22	Diameter (in.):	24
NYTMN (km.):	4514.1	NYTME (km.):	621. Building: HDQ
Emission Point:	00007		
Height (ft.):	22	Diameter (in.):	12
NYTMN (km.):	4514.1	NYTME (km.):	621. Building: HDQ

**Item 21.2(From Mod 1):**

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

Emission Unit:	2-ANODZ		
Emission Point:	00004		
Height (ft.):	19	Diameter (in.):	15
NYTMN (km.):	4514.1	NYTME (km.):	621. Building: HDQ
Emission Point:	00005		
Height (ft.):	18	Diameter (in.):	12
NYTMN (km.):	4514.1	NYTME (km.):	621. Building: HDQ

**Condition 22: Process Definition By Emission Unit  
Effective between the dates of 10/08/2002 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 22.1(From Mod 1):**

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

Emission Unit:	1-PAINT	
Process:	SPO	Source Classification Code: 4-02-025-01
Process Description:	Compliant coatings are applied to metal parts in three spray booths and the parts are dried in two curing ovens. The paints are stored in closed containers.	

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Emission Source/Control: PSB01 - Control  
Control Type: MAT OR PANEL FILTER

Emission Source/Control: PSB02 - Control  
Control Type: MAT OR PANEL FILTER

Emission Source/Control: PSB03 - Control  
Control Type: MAT OR PANEL FILTER

Emission Source/Control: PSOV1 - Process

Emission Source/Control: PSOV2 - Process

**Item 22.2(From Mod 1):**

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

Emission Unit: 2-ANODZ

Process: ANO

Source Classification Code: 3-09-011-03

Process Description:

The metal parts are cleaned in an alkaline solution at 150 F. After rinsing at ambient temperature, the parts are etched at 140 F, dioxidized at 70 F, and rinsed. After inspection the parts are either anodized or chemically filmed. The anodized parts are resealed and the filmed parts are rinsed. Some parts are subsequently masked, primed, and/or topcoated. All parts are then inspected, packed, and shipped to customers. The emissions from chromic and sulfuric acid anodizing baths are vented into the atmosphere through emission points 4 and 5.

Emission Source/Control: CANOD - Control  
Control Type: CHEMICAL FUME SUPPRESSANT - WETTING  
AGENT FOR REDUCING SURFACE TENSION

Emission Source/Control: SANOD - Process

