



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 6-3016-00163/00003
Effective Date: 04/19/2011 Expiration Date: No expiration date

Permit Issued To: THE INDIUM CORP OF AMERICA
PO BOX 269
UTICA, NY 13503-0269

Contact: NANCY L SWARTS
THE INDIUM CORPORATION OF AMERICA
1676 LINCOLN AVE, PO BOX 269
UTICA, NY 13502-0269
(315) 853-4900

Facility: THE INDIUM CORPORATION OF AMERICA
111 BUSINESS PARK DR
UTICA, NY 13502

Description:

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: PATRICK M CLEAREY
NYSDEC - REG 6
207 GENESEE ST
UTICA, NY 13501

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 6 SUBOFFICE - UTICA



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.



Applicable State Requirement: 6 NYCRR 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 6
SUBOFFICE - UTICA**

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 6 Sub-office
Division of Environmental Permits
State Office Building, 207 Genesee Street
Utica, NY 13501-2885
(315) 793-2555

New York State Department of Environmental Conservation

Permit ID: 6-3016-00163/00003

Facility DEC ID: 6301600163



Permit Under the Environmental Conservation Law (ECL)

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

IDENTIFICATION INFORMATION

Permit Issued To: THE INDIUM CORP OF AMERICA
PO BOX 269
UTICA, NY 13503-0269

Facility: THE INDIUM CORPORATION OF AMERICA
111 BUSINESS PARK DR
UTICA, NY 13502

Authorized Activity By Standard Industrial Classification Code:
3499 - FABRICATED METAL PRODUCTS, NEC

Permit Effective Date: 04/19/2011
date.

Permit Expiration Date: No expiration
date.



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 201-7.2: Facility Permissible Emissions
- *2 6 NYCRR 201-7.2: Capping Monitoring Condition
- *3 6 NYCRR 201-7.2: Capping Monitoring Condition
- 4 6 NYCRR 212.4 (c): Compliance Demonstration
- 5 6 NYCRR 212.6 (a): Compliance Demonstration
- 6 40CFR 63.462(a)(2), Subpart T: Compliance Demonstration
- 7 40CFR 63.468(f), Subpart T: Compliance Demonstration
- 8 40CFR 63.471(b)(2), Subpart T: Compliance Demonstration
- 9 40CFR 63.471(h), Subpart T: Compliance Demonstration
- 10 40CFR 63.11514(b), Subpart XXXXXX: Affect source categories
- 11 40CFR 63.11514(c), Subpart XXXXXX: Date for existing sources
- 12 40CFR 63.11515(a), Subpart XXXXXX: Compliance date for existing sources
- 13 40CFR 63.11516(a), Subpart XXXXXX: Compliance Demonstration
- 14 40CFR 63.11517(a), Subpart XXXXXX: Compliance Demonstration
- 15 40CFR 63.11519(a), Subpart XXXXXX: Compliance Demonstration
- 16 40CFR 63.11519(b), Subpart XXXXXX: Compliance Demonstration
- 17 40CFR 63.11519(c), Subpart XXXXXX: Compliance Demonstration

Emission Unit Level

EU=1-1020B

- 18 40CFR 63.11507(g), Subpart WWWWWW: Compliance Demonstration
- 19 40CFR 63.11508(d)(1), Subpart WWWWWW: Compliance Demonstration
- 20 40CFR 63.11508(d)(2), Subpart WWWWWW: Compliance Demonstration
- 21 40CFR 63.11508(d)(8), Subpart WWWWWW: Compliance Demonstration
- 22 40CFR 63.11509(a), Subpart WWWWWW: Compliance Demonstration
- 23 40CFR 63.11509(b), Subpart WWWWWW: Compliance Demonstration
- 24 40CFR 63.11509(c)(6), Subpart WWWWWW: Compliance Demonstration
- 25 40CFR 63.11509(c)(7), Subpart WWWWWW: Compliance Demonstration
- 26 40CFR 63.11509(d), Subpart WWWWWW: Compliance Demonstration
- 27 40CFR 63.11509(e), Subpart WWWWWW: Compliance Demonstration
- 28 40CFR 63.11509(f), Subpart WWWWWW: Compliance Demonstration

EU=1-1060F

- 29 40CFR 63.460(b), Subpart T: Part 63 General Provisions requirements
- 30 40CFR 63.465(e), Subpart T: PTE determination
- 31 40CFR 63.471(b)(1), Subpart T: Compliance Demonstration
- 32 40CFR 63.471(c), Subpart T: Compliance Demonstration
- 33 40CFR 63.471(e), Subpart T: Compliance Demonstration

EU=1-1060F,Proc=VAP,ES=00DG4

- 34 40CFR 63.463, Subpart T: Batch vapor and In-line machines: base design requirements
- 35 40CFR 63.463(b)(1)(i), Subpart T: Compliance Demonstration
- 36 40CFR 63.463(d), Subpart T: Compliance Demonstration
- 37 40CFR 63.463(e)(2)(i), Subpart T: Compliance Demonstration
- 38 40CFR 63.463(e)(2)(iii), Subpart T: Compliance Demonstration



- 39 40CFR 63.463(e)(2)(iv), Subpart T: Compliance Demonstration
- 40 40CFR 63.466(a), Subpart T: Compliance Demonstration
- 41 40CFR 63.467(a), Subpart T: Compliance Demonstration
- 42 40CFR 63.467(b), Subpart T: Compliance Demonstration
- 43 40CFR 63.468(h), Subpart T: Compliance Demonstration

EU=1-1060F,Proc=VAP,ES=00DG5

- 44 40CFR 63.463, Subpart T: Batch vapor and In-line machines: base design requirements
- 45 40CFR 63.463(b)(1)(i), Subpart T: Compliance Demonstration
- 46 40CFR 63.463(d), Subpart T: Compliance Demonstration
- 47 40CFR 63.463(e)(2)(i), Subpart T: Compliance Demonstration
- 48 40CFR 63.463(e)(2)(iii), Subpart T: Compliance Demonstration
- 49 40CFR 63.463(e)(2)(iv), Subpart T: Compliance Demonstration
- 50 40CFR 63.466(a), Subpart T: Compliance Demonstration
- 51 40CFR 63.467(a), Subpart T: Compliance Demonstration
- 52 40CFR 63.467(b), Subpart T: Compliance Demonstration
- 53 40CFR 63.468(h), Subpart T: Compliance Demonstration

EU=1-1060F,Proc=VAP,ES=00DG6

- 54 40CFR 63.462(a)(2), Subpart T: Compliance Demonstration
- 55 40CFR 63.462(c), Subpart T: Compliance Demonstration
- 56 40CFR 63.462(d), Subpart T: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 57 ECL 19-0301: Contaminant List
- 58 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 59 6 NYCRR Subpart 201-5: Emission Unit Definition
- 60 6 NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 61 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 62 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: Visible Emissions Limited - 6 NYCRR 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 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 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: Facility Permissible Emissions
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-7.2

Item 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: 000079-01-6

PTE: 19,800 pounds per year

Name: TRICHLOROETHYLENE

Condition 2: Capping Monitoring Condition
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-7.2

Item 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 201-6.1 (a)

Item 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 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 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 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 2.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 2.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Total HAP emissions from this facility, shall not exceed 45000 lbs/yr or 22.5 tons per year during any consecutive 12 month period. Verification of monthly total HAP emissions will be determined via calculations using emission factors acceptable to this Department. Facility shall provide a report, with the required calculations and demonstrations of compliance with this total HAP limit, to the NYSDEC Region 6 Office by the reporting deadlines contained below

Parameter Monitored: HAP

Upper Permit Limit: 22.5 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 3: Capping Monitoring Condition
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-7.2

Item 3.1:

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 201-6.1 (a)

New York State Department of Environmental Conservation

Permit ID: 6-3016-00163/00003

Facility DEC ID: 6301600163



Item 3.2:

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

Item 3.3:

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 3.4:

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 3.5:

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 3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000079-01-6 TRICHLOROETHYLENE

Item 3.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Total emissions of trichloroethylene (TCE) will be capped at 18000 pounds per year (9 tpy), for the consecutive 12 month period. Total TCE emissions are calculated based on solvent consumption and use records. Solvent usage records are currently maintained on a quarterly basis for NESHAP requirements. Facility shall report the total emissions of trichloroethylene to NYSDEC Region 6 Office by the reporting deadline stated below

Parameter Monitored: TRICHLOROETHYLENE

Upper Permit Limit: 9.9 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 4: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

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:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. The Department reserves the right to perform or require the performance of a Method 5 emissions evaluation at any time.

The permittee will conduct compliance verifications at the monitoring frequency stated below. These verifications include review of pertinent information relating to particulate emissions of the source, including but not limited to production rate, process material, air flow rate, control equipment parameters, visible emissions, etc. The permittee will confirm that during source operation all pertinent parameters (whether used to directly calculate particulate emission rate, or as surrogates) are within ranges that ensure compliance with the particulate emission rate.

Additionally, the permittee will investigate, in a timely manner, any instance where there is cause to believe that particulate emissions above 0.050 gr/dscf are occurring or have occurred. These instances include but are not limited to process upsets, control device malfunctions or problems, abnormal visible emissions, complaints, etc. The permittee shall determine the cause of any exceedance, make the necessary correction, and verify that the excess emissions problem has been corrected.

Records of these verifications, 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.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 5: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 5.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 5.2:

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 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 6: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.462(a)(2), Subpart T

Item 6.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner/operator of an immersion batch cold cleaning machine shall employ a tightly fitting cover that shall be closed at all times except during parts entry and removal and have a freeboard ratio of 0.75 or greater.

Owner/operator shall also comply with the following work practice standards:

- 1) All waste solvent shall be collected and stored in closed containers.
- 2) If a flexible hose or flushing device is used, flushing shall be performed only within the freeboard area of the solvent cleaning machine.
- 3) Owner/operator shall drain solvent cleaned parts for 15 seconds or until dripping has stopped, whichever is longer. Parts having holes or cavities shall be tipped or rotated during drainage.
- 4) Owner/operator shall ensure that the solvent level does not exceed the fill line.



5) Spills during solvent transfer shall be wiped up immediately. The wipe rags shall be stored in covered containers.

6) When an air- or pump-agitated solvent bath is used, owner/operator shall ensure that the agitator is operated to produce a rolling motion of the solvent but not observable splashing against the tank walls or parts being cleaned.

7) Owner/operator shall ensure that, when the cover is open, the cold cleaning machine is not exposed to drafts greater than 40 meters/minute (132 ft/min), as measured between 1 and 2 meters upwind and at the same elevation as the tank lip.

8) Sponges, fabrics, wood, and paper products shall not be cleaned.

Each owner/operator of a batch cold cleaning machine shall submit an initial notification report as described in 40CFR63.468(a) or (b) and a compliance report as described in 40CFR63.468(c).

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 1/30/2012.

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

Condition 7: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.468(f), Subpart T

Item 7.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of a batch vapor or in-line solvent cleaning machine complying with 63.463 shall submit an annual report by February 1 of the year following the one for which the reporting is being made. The report shall include the following:



1) A signed statement from the facility owner or the designee stating that "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in 63.463(d)(10)"

2) An estimate of solvent consumption for each solvent cleaning machine during the reporting period.

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 1/30/2012.

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

Condition 8: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.471(b)(2), Subpart T

Item 8.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000079-01-6 TRICHLOROETHYLENE

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must ensure that the total emissions of trichloroethylene (TCE) used at the facility are equal to or less than the applicable facility-wide 12-month rolling total emission limit presented in Table 1 of 40CFR 63.471 as determined using the procedures in 40CFR 63.471(c).

Monitoring Frequency: MONTHLY

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 9: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.471(h), Subpart T



Item 9.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit a solvent emission report every year. This solvent emission report shall contain the requirements specified in paragraphs (1) through (3).

(1) The average monthly solvent consumption for the affected facility in kilograms per month.

(2) The 12-month rolling total solvent emission estimates calculated each month using the method as described in paragraph (c).

(3) This report can be combined with the annual report required in 40CFR 63.468(f) and (g) into a single report for each facility.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 10: Affect source categories
Effective between the dates of 04/19/2011 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 63.11514(b), Subpart XXXXXX

Item 10.1:

The provisions of 40 CFR 63, Subpart XXXXXX apply to each new and existing affected source listed below if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP) in a concentration of greater than 0.1% by weight of cadmium, lead, chromium, or nickel or a concentration of greater than 1.0% by weight of manganese:

- 1) Dry abrasive blasting operations
- 2) Machining operations
- 3) Dry grinding and dry polishing with machines
- 4) Spray painting
- 5) Welding

If the facility performs spray painting which contains MFHAP with the concentrations listed above, then that affected source is not subject to the provisions in Subpart HHHHHH for Miscellaneous Surface Coating Operations.

Condition 11: Date for existing sources



Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11514(c), Subpart XXXXXX

Item 11.1:

An affected source is existing if the facility commenced construction or reconstruction of the affected source, as defined in §63.2, before April 3, 2008.

Condition 12: Compliance date for existing sources

Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11515(a), Subpart XXXXXX

Item 12.1:

If the facility owns or operates an existing affected source, the facility must achieve compliance with the applicable provisions of Subpart XXXXXX by July 25, 2011.

Condition 13: Compliance Demonstration

Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11516(a), Subpart XXXXXX

Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility owns or operates a dry abrasive blasting affected source which consists of an abrasive blasting chamber that is totally enclosed and unvented, as defined in §63.11522, the facility must implement the following management practices to minimize emissions of metal fabrication HAPs (MFHAPs):

1- The facility must minimize dust generation during emptying of abrasive blasting enclosures; and

2- The facility must operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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



Condition 14: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11517(a), Subpart XXXXXX

Item 14.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Visual determination of fugitive emissions must be performed according to the procedures of EPA Method 22, of 40 CFR part 60, Appendix A-7. The facility owner/operator must conduct the EPA Method 22 test while the affected source is operating under normal conditions. The duration of each EPA Method 22 test must be at least 15 minutes, and visible emissions will be considered to be present if they are detected for more than six minutes of the fifteen minute period.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: EPA Method 22

Monitoring Frequency: WHEN THE SOURCE IS OPERATING

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 15: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11519(a), Subpart XXXXXX

Item 15.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any existing facility subject to the requirements in 40 CFR 63, Subpart XXXXXX must submit an initial notification

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as described in §63.9(b) no later than July 25, 2011. The initial notification must contain the information listed in §63.11519(a)(1)(i)-(iv).

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 16: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11519(b), Subpart XXXXXX

Item 16.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any facility subject to the provisions in 40 CFR 63, subpart XXXXXX must prepare and submit annual certification and compliance reports for each affected source according to the requirements of §63.11519(b)(2)-(6).

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 17: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11519(c), Subpart XXXXXX

Item 17.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must collect and keep records of the data and information specified in §63.11519(c)(1)-(14), according to the provisions in §63.11519(c)(15).



Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**** Emission Unit Level ****

Condition 18: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.11507(g), Subpart
WWWWWW

Item 18.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Item 18.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of an affected new or existing plating and polishing process unit that contains, applies, or emits one or more of the plating and polishing metal HAP must implement the applicable management practices in paragraphs (1) through (12), as practicable.

- (1) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
- (2) Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.
- (3) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
- (4) Use tank covers, if already owned and available at the facility, whenever practicable.
- (5) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).



(6) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.

(7) Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.

(8) Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.

(9) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.

(10) Minimize spills and overflow of tanks, as practicable.

(11) Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.

(12) Perform regular inspections to identify leaks and other opportunities for pollution prevention.

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 1/30/2012.

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

Condition 19: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.11508(d)(1), Subpart
WWWWW

Item 19.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 19.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Facility DEC ID: 6301600163



Monitoring Description:

The owner or operator must always operate and maintain the affected source, including air pollution control equipment.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 20: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11508(d)(2), Subpart

WWWWW

Item 20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must prepare an annual compliance certification according to the requirements specified in 40 CFR 63.11509(c), "Notification, Reporting, and Recordkeeping," and keep it in a readily-accessible location for inspector review.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 21: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11508(d)(8), Subpart

WWWWW

Item 21.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 6-3016-00163/00003

Facility DEC ID: 6301600163



Monitoring Description:

The owner or operator of an affected tank or other operation that is subject to the management practices specified in 40CFR 63.11507(g) must demonstrate continuous compliance according to paragraphs (i) and (ii).

(i) The owner or operator must implement the applicable management practices during all times that the affected tank or process is in operation.

(ii) The owner or operator must state in his/her annual compliance certification that he/she has implemented the applicable management practices, as practicable.

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 1/30/2012.

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

Condition 22: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11509(a), Subpart
WWWWWW

Item 22.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected source, as defined in 40CFR 63.11505(a) must submit an Initial Notification in accordance with paragraphs (1) through (4) by the dates specified.

(1) The Initial Notification must include the information specified in 40CFR 63.9(b)(2)(i) through (iv) of the General Provisions.

(2) The Initial Notification must include a description of the compliance method (e.g., use of wetting agent/fume suppressant) for each affected source.



(3) If the owner or operator starts up his/her affected source on or before July 1, 2008, he/she must submit an Initial Notification not later than 120 calendar days after July 1, 2008.

(4) If the owner or operator starts up his/her new affected source after July 1, 2008, he/she must submit an Initial Notification not later than 120 calendar days after facility becomes subject to 40CFR 63 WWWWWW.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11509(b), Subpart WWWWWW

Item 23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected source must submit a Notification of Compliance Status in accordance with paragraphs (1) and (2).

(1) The Notification of Compliance Status must be submitted before the close of business on the compliance date specified in 40CFR 63.11506.

(2) The Notification of Compliance Status must include the items specified in paragraphs (i) through (iv).

(i) List of affected sources and the plating and polishing metal HAP used in, or emitted by, those sources.

(ii) Methods used to comply with the applicable management practices and equipment standards.

(iii) Description of the capture and emission control systems used to comply with the applicable equipment standards.

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(iv) Statement by the owner or operator of the affected source as to whether the source is in compliance with the applicable standards or other requirements.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11509(c)(6), Subpart
WWWWWWW

Item 24.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 24.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected tank that is subject to the management practices specified in 40CFR 63.11507(g) must state in his/her annual compliance certification that he/she has implemented the applicable management practices, as practicable.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11509(c)(7), Subpart
WWWWWWW

Item 25.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 25.2:

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Facility DEC ID: 6301600163



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11509(d), Subpart

WWWWWW

Item 26.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any deviations from the compliance requirements specified in 40CFR 63 WWWWWW which occurred at an affected source during the year, must reported by the owner or operator, along with the corrective action taken, and submit this report to the delegated authority.

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 1/30/2012.

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

Condition 27: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11509(e), Subpart

WWWWWW

Item 27.1:

The Compliance Demonstration activity will be performed for:



Emission Unit: 1-1020B

Item 27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep the records specified in paragraphs (1) through (3).

(1) A copy of any Initial Notification and Notification of Compliance Status that was submitted and all documentation supporting those notifications.

(2) The records specified in 40CFR 63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions.

(3) The records required to show continuous compliance with each management practice and equipment standard that applies to the owner or operator, as specified in 40CFR 63.11508(d).

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 1/30/2012.

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

Condition 28: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.11509(f), Subpart

WWWWWW

Item 28.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1020B

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or



record. He/she must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40CFR 63.10(b)(1). He/she may keep the records offsite for the remaining 3 years.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Part 63 General Provisions requirements
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.460(b), Subpart T

Item 29.1:

This Condition applies to Emission Unit: 1-1060F

Item 29.2:

Owners or operators of affected sources subject to 40CFR63 Subpart T 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 Appendix B of Subpart T. 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 30: PTE determination

Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.465(e), Subpart T

Item 30.1:

This Condition applies to Emission Unit: 1-1060F

Item 30.2:

An owner or operator of a source shall determine their potential to emit from all solvent cleaning operations, using the procedures described in paragraphs (1) through (3) of this condition. A facility's total potential to emit is the sum of the HAP emissions from all solvent cleaning operations, plus all HAP emissions from other sources within the facility.

(1) Determine the potential to emit for each individual solvent cleaning using Equation 6.

$$PTE_i = (H_i)(W_i)(SAI_i) \quad (\text{Eq. 6})$$

Where:

PTE_i = the potential to emit for solvent cleaning machine i (kilograms of solvent per year).

H_i = hours of operation for solvent cleaning machine i (hours per year).

= 8760 hours per year, unless otherwise restricted by a Federally enforceable requirement.

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour).



= 1.95 kilograms per square meter per hour for batch vapor and cold cleaning machines.

= 1.12 kilograms per square meter per hour for in-line cleaning machines.

SAI_i = solvent/air interface area of solvent cleaning machine i (square meters). 40CFR 63.46 defines the solvent/air interface area for those machines that have a solvent/air interface. Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the procedure in paragraph (2) of this condition.

(2) Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using Equation 7.

$$SAI = (2.20)(Vol)^{exp(0.6)} \quad (\text{Eq. 7})$$

Where:

SAI = the solvent/air interface area (square meters).

Vol = the cleaning capacity of the solvent cleaning machine (cubic meters).

(3) Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the facility.

Condition 31: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.471(b)(1), Subpart T

Item 31.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Item 31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must maintain a log of solvent additions and deletions for each solvent cleaning machine.

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 7/30/2011.

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

Condition 32: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date



Applicable Federal Requirement: 40CFR 63.471(c), Subpart T

Item 32.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Item 32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall on the first operating day of every month, demonstrate compliance with the applicable facility-wide emission limit on a 12-month rolling total basis using the procedures in paragraphs 40CFR 63.471(c)(1) through (5). For purposes of this paragraph, EACH SOLVENT CLEANING MACHINE means each solvent cleaning machine that is part of an affected facility regulated by this section.

(1) The owner or operator shall, on the first operating day of every month, ensure that each solvent cleaning machine system contains only clean liquid solvent. This includes, but is not limited to, fresh unused solvent, recycled solvent, and used solvent that has been cleaned of soiled materials. A fill line must be indicated during the first month the measurements are made. The solvent level within the machine must be returned to the same fill-line each month, immediately prior to calculating monthly emissions as specified in paragraphs (2) and (3). The solvent cleaning machine does not have to be emptied and filled with fresh unused solvent prior to the calculations.

(2) The owner or operator shall, on the first operating day of the month, using the records of all solvent additions and deletions for the previous month, determine solvent emissions (Eunit) from each solvent cleaning machine using equation 10 in 40CFR 63.471

(3) The owner or operator shall, on the first operating day of the month, determine SSR using the method specified in paragraph (i) or (ii).

(i) From tests conducted using EPA reference method 25d.

(ii) By engineering calculations included in the compliance report.

(4) The owner or operator shall on the first operating day



of the month, after 12 months of emissions data are available, determine the 12-month rolling total emissions, ETunit, for the 12-month period ending with the most recent month using equation 11 in 40CFR 63.471

(5) The owner or operator shall on the first operating day of the month, after 12 months of emissions data are available, determine the 12-month rolling total emissions, ETfacility, for the 12-month period ending with the most recent month using equation 12 in 40CFR 63.471

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 7/30/2011.

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

Condition 33: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.471(e), Subpart T

Item 33.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Item 33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records specified in paragraphs (1) through (3) either in electronic or written form for a period of 5 years. For purposes of this paragraph, EACH SOLVENT CLEANING MACHINE means each solvent cleaning machine that is part of an affected facility regulated by this section.

(1) The dates and amounts of solvent that are added to each solvent cleaning machine.

(2) The solvent composition of wastes removed from each solvent cleaning machines as determined using the procedure described in paragraph (3).

(3) Calculation sheets showing how monthly emissions and the 12-month rolling total emissions from each solvent cleaning machine were determined, and the results of all calculations.

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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 7/30/2011.

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

**Condition 34: Batch vapor and In-line machines: base design requirements
Effective between the dates of 04/19/2011 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 63.463, Subpart T

Item 34.1:

This Condition applies to Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Item 34.2:

Base Design Requirements. All Batch vapor and in-line machines complying with either the control combinations or the idling emission limit must be equipped with the following:

1. Either an idling mode cover or reduced room draft.
2. A freeboard ratio of 0.75 or greater.
3. Automated parts handling system which moves parts or parts baskets at a speed of 3.4 meters per minute or less.
4. Vapor cleaning machines shall be equipped with automatic shutoff if the sump liquid solvent level drops to the sump heater coils.
5. Vapor cleaning machines shall be equipped with automatic shutoff if the vapor level rises above the primary condenser.
6. Vapor machines shall have a primary condenser.
7. Cleaning machines with a lip exhaust shall use a carbon adsorber to control emissions.

**Condition 35: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 63.463(b)(1)(i), Subpart T

Item 35.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Item 35.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a batch solvent vapor cleaning machine with a solvent/air interface of 1.21 square meters or less shall comply with the requirements specified in §63.463(b)(1)(i).

Employ Option 3 of the possible control combinations listed in Table 1.

Working-mode cover and freeboard refrigeration device

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 36: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.463(d), Subpart T

Item 36.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Item 36.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner/operator of a new or existing batch vapor solvent cleaning machine shall meet each of the following work and operational practices:

1. Air disturbances across the cleaning machine shall be controlled by either using an idling mode cover or reduced room draft.
2. The parts baskets or the parts being cleaned in an open-top batch vapor cleaning machine shall not occupy more than 50% of the solvent/air interface area unless the parts are introduced at a speed of 3 feet per minute or less.
3. All spraying operations are to be done within the vapor zone.



4. Orient parts so that solvent drains freely from them. Parts with holes shall be tipped or rotated before being removed.
5. Parts or parts baskets are not to be removed until dripping has stopped.
6. During startup of vapor machines, the primary condenser shall be turned on before the sump heater.
7. During shutdown of vapor machines, the sump heater shall be turned off before the primary condenser.
8. Solvent shall be transferred to and from machines using leakproof couplings and submerged filling.
9. Equipment shall be operated per manufacturer's specifications.
10. Each operator shall be able to pass the applicable sections of the test of solvent cleaning operating procedures in Appendix A of this subpart.
11. Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers.
12. Sponges, fabric, wood and paper products are not to be cleaned.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 37: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.463(e)(2)(i), Subpart T

Item 37.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL



DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

If a freeboard refrigeration device is used to comply with Subpart T, the chilled air blanket temperature (in deg. F), measured at the center of the air blanket with a thermometer or thermocouple, must be no greater than 30 percent of the solvent boiling point.

The temperature of the air blanket above the vapor zone must be measured weekly while the machine is idling.

An exceedance has occurred if the temperature, as monitored, exceeds the 30% threshold and is not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The temperature shall be remeasured immediately upon adjustment or repair and demonstrated to be within 30% of the solvent boiling point.

Records of the weekly temperature measurement are to be kept on site and shall be maintained in either electronic or written form for a period of five years.

Parameter Monitored: TEMPERATURE
Upper Permit Limit: 57 degrees Fahrenheit
Monitoring Frequency: WEEKLY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.463(e)(2)(iii), Subpart T

Item 38.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F
Process: VAP Emission Source: 00DG4

Regulated Contaminant(s):
CAS No: 0NY100-00-0 HAP

Item 38.2:

Compliance Demonstration shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

If a working-mode cover is used to comply with Subpart T, the owner/operator shall:

1) Ensure that the cover opens only for part entrance and removal and completely covers the cleaning machine openings when closed. An exceedance has occurred if this requirement is not met.

2) Ensure that the working-mode cover is maintained free of cracks, holes, and other defects. An exceedance has occurred if this requirement is not met and is not repaired within 15 days.

The owner/operator shall demonstrate compliance with these requirements on a monthly basis by conducting a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.463(e)(2)(iv), Subpart T

Item 39.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 39.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

If an idling-mode cover is used to comply with the requirements of 40CFR63 Subpart T, the owner/operator shall:

1) Ensure that the cover is in place whenever parts are

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not in the solvent cleaning machine and completely covers the cleaning machine openings when in place, and

2) Ensure that the idling-mode cover is maintained free of cracks, holes, and other defects.

The owner/operator shall demonstrate compliance with these requirements on a monthly basis by conducting a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 40: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.466(a), Subpart T

Item 40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Item 40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator of batch vapor or in-line cleaning machines shall monitor and record the temperature of the freeboard refrigeration device. This monitoring shall be done on a weekly basis and will be performed as follows: A thermometer or thermocouple shall be used to measure the temperature at the center of the air blanket of the freeboard refrigeration device during idling mode. This temperature shall not be greater than 30% of the solvent's boiling point.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DEGREASING UNITS

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 30 percent

Monitoring Frequency: WEEKLY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY

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TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 41: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.467(a), Subpart T

Item 41.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of a batch vapor or in-line solvent cleaning machine complying with the provisions in 63.463 shall maintain the following records for the lifetime of the machine:

- 1) Owner's manuals, or if not available, written maintenance and operating procedures for the solvent cleaning machine and control equipment.
- 2) The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the machine and control devices were installed prior to November 29, 1993 will suffice.
- 3) Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to Subpart T.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 42: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.467(b), Subpart T

Item 42.1:

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The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 42.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of a batch vapor or in-line solvent cleaning machine complying with 63.463 shall maintain the following records for a period of five years.

- 1) The results of control device monitoring required under 63.466
- 2) Information on the actions taken to comply with 63.463(e) and (f) including records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.
- 3) Estimates of annual solvent consumption for each solvent cleaning machine.
- 4) If a carbon adsorber is used, records of the date and results of the weekly measurement of the halogenated HAP solvent concentration in the carbon adsorber exhaust required in 63.466(e).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 43: Compliance Demonstration

Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.468(h), Subpart T

Item 43.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG4

Item 43.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a batch vapor or in-line solvent cleaning machine shall submit an exceedance report to the Administrator semiannually except when, the Administrator determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the owner or operator shall follow a quarterly reporting format until a request to reduce reporting frequency under 40CFR 63.468(i) is approved. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information in paragraphs (1) through (3) of this condition.

(1) Information on the actions taken to comply with §63.463 (e) and (f), if applicable. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

(2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.

(3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

**Condition 44: Batch vapor and In-line machines: base design requirements
Effective between the dates of 04/19/2011 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 63.463, Subpart T

Item 44.1:

This Condition applies to Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG5

Item 44.2:

Base Design Requirements. All Batch vapor and in-line machines complying with either the control combinations or the idling emission limit must be equipped with the following:

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1. Either an idling mode cover or reduced room draft.
2. A freeboard ratio of 0.75 or greater.
3. Automated parts handling system which moves parts or parts baskets at a speed of 3.4 meters per minute or less.
4. Vapor cleaning machines shall be equipped with automatic shutoff if the sump liquid solvent level drops to the sump heater coils.
5. Vapor cleaning machines shall be equipped with automatic shutoff if the vapor level rises above the primary condenser.
6. Vapor machines shall have a primary condenser.
7. Cleaning machines with a lip exhaust shall use a carbon adsorber to control emissions.

Condition 45: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.463(b)(1)(i), Subpart T

Item 45.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG5

Item 45.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a batch solvent vapor cleaning machine with a solvent/air interface of 1.21 square meters or less shall comply with the requirements specified in §63.463(b)(1)(i).

Employ Option 3 of the possible control combinations listed in Table 1.

Working-mode cover and freeboard refrigeration device

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 46: Compliance Demonstration



Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.463(d), Subpart T

Item 46.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG5

Item 46.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner/operator of a new or existing batch vapor solvent cleaning machine shall meet each of the following work and operational practices:

1. Air disturbances across the cleaning machine shall be controlled by either using an idling mode cover or reduced room draft.
2. The parts baskets or the parts being cleaned in an open-top batch vapor cleaning machine shall not occupy more than 50% of the solvent/air interface area unless the parts are introduced at a speed of 3 feet per minute or less.
3. All spraying operations are to be done within the vapor zone.
4. Orient parts so that solvent drains freely from them. Parts with holes shall be tipped or rotated before being removed.
5. Parts or parts baskets are not to be removed until dripping has stopped.
6. During startup of vapor machines, the primary condenser shall be turned on before the sump heater.
7. During shutdown of vapor machines, the sump heater shall be turned off before the primary condenser.
8. Solvent shall be transferred to and from machines using leakproof couplings and submerged filling.
9. Equipment shall be operated per manufacturer's specifications.
10. Each operator shall be able to pass the applicable



sections of the test of solvent cleaning operating procedures in Appendix A of this subpart.

11. Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers.

12. Sponges, fabric, wood and paper products are not to be cleaned.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 47: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.463(e)(2)(i), Subpart T

Item 47.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG5

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 47.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

If a freeboard refrigeration device is used to comply with Subpart T, the chilled air blanket temperature (in deg. F), measured at the center of the air blanket with a thermometer or thermocouple, must be no greater than 30 percent of the solvent boiling point.

The temperature of the air blanket above the vapor zone must be measured weekly while the machine is idling.

An exceedance has occurred if the temperature, as monitored, exceeds the 30% threshold and is not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The temperature shall be remeasured immediately upon adjustment or repair and demonstrated to be within 30% of the solvent boiling point.



other defects.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.463(e)(2)(iv), Subpart T

Item 49.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F
Process: VAP Emission Source: 00DG5

Regulated Contaminant(s):
CAS No: ONY100-00-0 HAP

Item 49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If an idling-mode cover is used to comply with the requirements of 40CFR63 Subpart T, the owner/operator shall:

- 1) Ensure that the cover is in place whenever parts are not in the solvent cleaning machine and completely covers the cleaning machine openings when in place, and
- 2) Ensure that the idling-mode cover is maintained free of cracks, holes, and other defects.

The owner/operator shall demonstrate compliance with these requirements on a monthly basis by conducting a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 50: Compliance Demonstration

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Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.466(a), Subpart T

Item 50.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG5

Item 50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator of batch vapor or in-line cleaning machines shall monitor and record the temperature of the freeboard refrigeration device. This monitoring shall be done on a weekly basis and will be performed as follows: A thermometer or thermocouple shall be used to measure the temperature at the center of the air blanket of the freeboard refrigeration device during idling mode. This temperature shall not be greater than 30% of the solvent's boiling point.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DEGREASING UNITS

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 30 percent

Monitoring Frequency: WEEKLY

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Demonstration

Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.467(a), Subpart T

Item 51.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG5

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 51.2:

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of a batch vapor or in-line solvent cleaning machine complying with the provisions in 63.463 shall maintain the following records for the lifetime of the machine:

- 1) Owner's manuals, or if not available, written maintenance and operating procedures for the solvent cleaning machine and control equipment.
- 2) The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the machine and control devices were installed prior to November 29, 1993 will suffice.
- 3) Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to Subpart T.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

Condition 52: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.467(b), Subpart T

Item 52.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG5

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 52.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator of a batch vapor or in-line solvent cleaning machine complying with 63.463 shall maintain the following records for a period of five years.

- 1) The results of control device monitoring required under 63.466



2) Information on the actions taken to comply with 63.463(e) and (f) including records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

3) Estimates of annual solvent consumption for each solvent cleaning machine.

4) If a carbon adsorber is used, records of the date and results of the weekly measurement of the halogenated HAP solvent concentration in the carbon adsorber exhaust required in 63.466(e).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.468(h), Subpart T

Item 53.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F
Process: VAP

Emission Source: 00DG5

Item 53.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner or operator of a batch vapor or in-line solvent cleaning machine shall submit an exceedance report to the Administrator semiannually except when, the Administrator determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the owner or operator shall follow a quarterly reporting format until a request to reduce reporting frequency under 40CFR 63.468(i) is approved. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information in paragraphs (1) through (3) of this condition.

(1) Information on the actions taken to comply with



§63.463 (e) and (f), if applicable. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

(2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.

(3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 54: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.462(a)(2), Subpart T

Item 54.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F
Process: VAP

Emission Source: 00DG6

Item 54.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each owner/operator of an immersion batch cold cleaning machine shall employ a tightly fitting cover that shall be closed at all times except during parts entry and removal and have a freeboard ratio of 0.75 or greater.

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 1/30/2012.
Subsequent reports are due every 12 calendar month(s).

Condition 55: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.462(c), Subpart T

Item 55.1:



The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG6

Item 55.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a batch cold solvent cleaning machine complying with paragraph 40 CFR 63.642 (a)(2) or (b) shall comply with the work and operational practice requirements specified in paragraphs (1) through (9) listed below:

- (1) All waste solvent shall be collected and stored in closed containers. The closed container may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (2) If a flexible hose or flushing device is used, flushing shall be performed only within the freeboard area of the solvent cleaning machine.
- (3) The owner or operator shall drain solvent cleaned parts for 15 seconds or until dripping has stopped, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while draining.
- (4) The owner or operator shall ensure that the solvent level does not exceed the fill line.
- (5) Spills during solvent transfer shall be wiped up immediately. The wipe rags shall be stored in covered containers meeting the requirements of paragraph (c)(1) of this section.
- (6) When an air- or pump-agitated solvent bath is used, the owner or operator shall ensure that the agitator is operated to produce a rolling motion of the solvent but not observable splashing against tank walls or parts being cleaned.
- (7) The owner or operator shall ensure that, when the cover is open, the cold cleaning machine is not exposed to drafts greater than 40 meters per minute (132 feet per minute), as measured between 1 and 2 meters (3.3 and 6.6 feet) upwind and at the same elevation as the tank lip.
- (8) Except as provided in paragraph (c)(9) of this



section, sponges, fabric, wood, and paper products shall not be cleaned.

(9) The prohibition in paragraph (c)(8) of this section does not apply to the cleaning of porous materials that are part of polychlorinated biphenyl (PCB) laden transformers if those transformers are handled throughout the cleaning process and disposed of in compliance with an approved PCB disposal permit issued in accordance with the Toxic Substances Control Act.

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 1/30/2012.

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

Condition 56: Compliance Demonstration
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.462(d), Subpart T

Item 56.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-1060F

Process: VAP

Emission Source: 00DG6

Item 56.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a batch cold cleaning machine shall submit an initial notification report as described in 40 CFR 63.468(a) and (b) and a compliance report as described in 40 CFR 63.468(c).

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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 57: Contaminant List
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 57.1:

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

CAS No: 000079-01-6
Name: TRICHLOROETHYLENE

CAS No: 0NY100-00-0
Name: HAP

Condition 58: Unavoidable noncompliance and violations
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 58.1:

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 59: Emission Unit Definition
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 59.1:

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

Emission Unit: 1-1010A

Emission Unit Description:

Bond coating (Bonding) is conducted in this emission unit. Metal pieces are bonded together using a flux material and heating operations. Metal pieces are wiped cleaned before bonding.

Building(s): 1

Item 59.2:

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

Emission Unit: 1-1020B

Emission Unit Description:

Copper Tapping Operation is conducted in the emission unit. Copper wire is run through a flux bath and then through a molten metal bath thereby coating the surface.

Building(s): 2

Item 59.3:

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

Emission Unit: 1-1030C

Emission Unit Description:

Alloy Melting Operations are conducted in this emission unit. Various furnaces and small melting stations for melting high temperature alloys.



Building(s): 1

Item 59.4:

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

Emission Unit: 1-1040D

Emission Unit Description:

Alloy melting operations are conducted in this emission unit. Four melting stations with hoods for melting high temperature alloys.

Building(s): 1

Item 59.5:

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

Emission Unit: 1-1050E

Emission Unit Description:

Alloy melting operation and oven machine are included in this emission unit. This melting operation is for the alloys of indium. The oven is used to fuse flux to preformed pieces.

Building(s): 1

Item 59.6:

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

Emission Unit: 1-1060F

Emission Unit Description:

Cleaning operations are conducted in this emission unit. Metal preformed materials are cleaned and degreased in trichloroethylene vapor degreasers. After cleaning/degreasing parts are dried in ovens. Also trichloroethylene reclamation unit and decanting area are in this emission unit.

Building(s): 1

Item 59.7:

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

Emission Unit: 1-1080H

Emission Unit Description:

Metal Fabrication is conducted in this emission unit. Department produces wires, ribbons, foils and stamped molded or otherwise preformed shapes. Materials are rolled and lubricated prior to additional manufacturing steps.

Building(s): 1

Condition 60: Air pollution prohibited
Effective between the dates of 04/19/2011 and Permit Expiration Date



Applicable State Requirement:6 NYCRR 211.2

Item 60.1:

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 61: Emission Point Definition By Emission Unit
Effective between the dates of 04/19/2011 and Permit Expiration Date**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 61.1:

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

Emission Unit: 1-1010A

Emission Point: BP001

Height (ft.): 35 Diameter (in.): 12
NYTMN (km.): 4770.77 NYTME (km.): 476.98 Building: 1

Item 61.2:

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

Emission Unit: 1-1020B

Emission Point: BP002

Height (ft.): 35 Diameter (in.): 13
NYTMN (km.): 4770.749 NYTME (km.): 476.892 Building: 2

Item 61.3:

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

Emission Unit: 1-1030C

Emission Point: BP003

Height (ft.): 35 Diameter (in.): 22
NYTMN (km.): 4770.731 NYTME (km.): 476.948 Building: 1

Item 61.4:

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

Emission Unit: 1-1040D

Emission Point: BP004



Height (ft.): 35 Diameter (in.): 24
NYTMN (km.): 4770.734 NYTME (km.): 476.966 Building: 1

Item 61.5:

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

Emission Unit: 1-1050E

Emission Point: BP005
Height (ft.): 35 Diameter (in.): 20
NYTMN (km.): 4772.734 NYTME (km.): 476.975 Building: 1

Item 61.6:

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

Emission Unit: 1-1060F

Emission Point: BP006
Height (ft.): 35 Diameter (in.): 16
NYTMN (km.): 4770.77 NYTME (km.): 476.967 Building: 1

Item 61.7:

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

Emission Unit: 1-1080H

Emission Point: BP008
Height (ft.): 35 Diameter (in.): 12
NYTMN (km.): 4770.748 NYTME (km.): 476.994 Building: 1

Condition 62: Process Definition By Emission Unit
Effective between the dates of 04/19/2011 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 62.1:

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

Emission Unit: 1-1010A

Process: BCD

Process Description:

Bond coating oprocess-metal pieces are bonded together during hot plate activities. Other heating operations are conducted using various metal substrates. Flux material is used in the bonding activities.

Emission Source/Control: 00BC1 - Process

Item 62.2:

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

Emission Unit: 1-1020B



Process: WCT

Process Description:

Copper tabbing process - copper wire is run through a flux bath and then through a molten metal bath thereby coating the surface. Flux is heated by an electric bath and the molten metal by a melt pot using natural gas combustion.

Emission Source/Control: 00CT2 - Control

Control Type: MAT OR PANEL FILTER

Emission Source/Control: 00CT1 - Process

Item 62.3:

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

Emission Unit: 1-1030C

Process: MM4

Process Description:

Alloy melting process - large & small ajax induction furnaces used for melting high temp alloys.

Emission Source/Control: 00AM1 - Process

Emission Source/Control: 00AM2 - Process

Item 62.4:

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

Emission Unit: 1-1030C

Process: MM5

Process Description:

Alloy melting process - burner hood area for melting of small batches of alloys.

Emission Source/Control: 00AM3 - Process

Item 62.5:

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

Emission Unit: 1-1040D

Process: MMI

Process Description:

Alloy melting process- This is a 4-station gas fired melting system. Each melt station is individually charged and fired with natural gas as the combustion fuel. This process contains 3-1000lb melting pots and a 2000lb buzzer melt system.

Emission Source/Control: 00A01 - Process

Item 62.6:



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

Emission Unit: 1-1050E
Process: MM2
Process Description:
Alloy melting process - single station gas fired melting station for melting specialty alloy of pure indium. Indium melts at a low temperature and low vapor pressure.

Emission Source/Control: 00A02 - Process

Item 62.7:

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

Emission Unit: 1-1050E
Process: MM3
Process Description:
Alloy melting process - oven machine is used to fuse flux to metal preformed pieces.

Emission Source/Control: 00A03 - Process

Item 62.8:

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

Emission Unit: 1-1060F
Process: DR1
Process Description:
Drying oven used to dry parts following degreasing/cleaning operations.

Emission Source/Control: 00DG1 - Process

Item 62.9:

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

Emission Unit: 1-1060F
Process: DS1
Process Description:
Decant station - enclosed hood area used for decanting solvent, sieve sizing of preformed materials and transferring solvents (i.e. trichloroethylene poured into beakers and used in drying box).

Emission Source/Control: 00DG2 - Process

Item 62.10:

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

Emission Unit: 1-1060F
Process: STL Source Classification Code: 4-90-002-01
Process Description:

New York State Department of Environmental Conservation

Permit ID: 6-3016-00163/00003

Facility DEC ID: 6301600163



Solvent reclamation process unit. Used trichloroethylene is sent through a distillation process to remove contaminants in order to be reused in vapor degreasers.

Emission Source/Control: 00DG3 - Process

Item 62.11:

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

Emission Unit: 1-1060F

Process: VAP

Source Classification Code: 4-01-002-05

Process Description:

Vapor degreasing stations and slop sink process. Degreasers exist and operate to meet hatogenated solvent NESHAP requirements. Degreasers are batch type units equipped with 150% freeboard ratio, subzero chillers automated parts handling systems, and working mode covers.

Emission Source/Control: 00DG4 - Process

Emission Source/Control: 00DG5 - Process

Emission Source/Control: 00DG6 - Process

Item 62.12:

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

Emission Unit: 1-1080H

Process: PD1

Source Classification Code: 3-13-065-10

Process Description:

Punch process-parts are punched to create different shapes. Punched material may require a lubricant to be used in which the punched parts will sit in until taken to the cleaning station. Trichloroethylene is also used for the punched parts prior to cleaning. Dropdown lines are used to vent any emissions from the container while machine is operating. Once operation has been completed exhaust lines are shut off and pushed aside.

Emission Source/Control: 00PP1 - Process

Item 62.13:

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

Emission Unit: 1-1080H

Process: RM1

Process Description:

Rolling mill process for different sizes of metal ribbons and other shapes. Mill is used for hot and cold rolling process in which solvents and oils (for lubrication) are

New York State Department of Environmental Conservation

Permit ID: 6-3016-00163/00003

Facility DEC ID: 6301600163



used.

Emission Source/Control: 00RM1 - Process

Item 62.14:

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

Emission Unit: 1-1080H

Process: RM2

Process Description:

Rolling mill process for different sizes of metal ribbons and other shapes. Mill is used for both hot and cold rolling processes, in which solvents and oils (for lubrication) are used .

Emission Source/Control: 00RM2 - Process

