



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-4224-00001/00103
Effective Date: 07/09/2012 Expiration Date: 07/08/2017

Permit Issued To: GENERAL ELECTRIC COMPANY
3135 EASTON TPKE
FAIRFIELD, CT 06828

Contact: CAROL RYAN
GE GLOBAL RESEARCH
1 RESEARCH CIR
SCHENECTADY, NY 12309
(518) 387-6955

Facility: GE GLOBAL RESEARCH CENTER
1 RESEARCH CIR
NISKAYUNA, NY 12309

Contact: JOHN F OLDI
GENERAL ELECTRIC COMPANY
1 RESEARCH CIRCLE
SCHENECTADY, NY 12309
(518) 387-4968

Description:

Application for renewal of Air Title V Facility.

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: MICHAEL T HIGGINS
NYSDEC - HEADQUARTERS
625 BROADWAY
ALBANY, NY 12233-1750

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 4 HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: GENERAL ELECTRIC COMPANY
3135 EASTON TPKE
FAIRFIELD, CT 06828

Facility: GE GLOBAL RESEARCH CENTER
1 RESEARCH CIR
NISKAYUNA, NY 12309

Authorized Activity By Standard Industrial Classification Code:

2821 - PLASTICS MATERIALS AND RESINS
3511 - TURBINES AND TURBINE GENERATOR
3844 - X-RAY APPARATUS AND TUBES
3845 - ELECTROMEDICAL EQUIPMENT
8731 - COMMERCIAL PHYSICAL RESEARCH
3724 - AIRCRAFT ENGINES & ENGINE PART

Permit Effective Date: 07/09/2012

Permit Expiration Date: 07/08/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 201-6.5 (f): Compliance Certification
- 24 6 NYCRR 201-6.5 (g): Non Applicable requirements
- *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *26 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 27 6 NYCRR 202-1.2: Notification
- 28 6 NYCRR 202-1.3 (a): Acceptable procedures
- 29 6 NYCRR 202-1.5: Prohibitions
- 30 6 NYCRR 202-2.3: Required contents of an emission statement.
- 31 6 NYCRR Part 207: Submittal of Episode Action Plans
- 32 6 NYCRR 211.1: Air pollution prohibited
- 33 6 NYCRR 212.6 (a): Compliance Certification
- 34 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 35 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 36 6 NYCRR 225-1.6 (b): Compliance.
- 37 6 NYCRR 225-1.8: Compliance Certification
- 38 6 NYCRR 225-2.6 (c): Sale of waste fuel prohibitions.
- 39 6 NYCRR Part 226: Compliance Certification
- 40 6 NYCRR 227-1.3 (a): Compliance Certification
- 41 6 NYCRR 227-1.6 (b): Corrective action.
- 42 6 NYCRR 227-1.6 (c): Corrective action.
- 43 6 NYCRR 227-1.6 (d): Corrective action.



- 44 6 NYCRR 230.5 (a): Compliance Certification
- 45 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos
- 46 40CFR 63.6590(c), Subpart ZZZZ: Stationary RICE subject to Regulations under 40 CFR Part 60

Emission Unit Level

- 47 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 48 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 49 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions

EU=B-18201

- *50 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *51 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *52 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *53 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=B-18201,EP=18201

- 54 6 NYCRR 225-1.6 (b): Compliance Certification
- 55 6 NYCRR 227-1.3: Compliance Certification
- 56 6 NYCRR 227.2 (b) (1): Compliance Certification

EU=E-17624

- *57 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 58 6 NYCRR 212.4 (a): Compliance Certification
- 59 6 NYCRR 212.4 (b): Compliance Certification
- 60 6 NYCRR 212.4 (c): Compliance Certification
- 61 6 NYCRR 212.9 (b): Compliance Certification
- 62 40CFR 63.11507(f)(1), Subpart WWWW: Compliance Certification
- 63 40CFR 63.11507(f)(2), Subpart WWWW: Compliance Certification
- 64 40CFR 63.11508(c)(9), Subpart WWWW: Existing Permanent Thermal Spraying Initial Compliance
- 65 40CFR 63.11508(c)(10), Subpart WWWW: New Permanent Thermal Spraying Initial Compliance
- 66 40CFR 63.11508(d)(1), Subpart WWWW: Operation and Maintenance of Air Pollution Equipment
- 67 40CFR 63.11508(d)(2), Subpart WWWW: Compliance Certification
- 68 40CFR 63.11508(d)(4), Subpart WWWW: Compliance Certification
- 69 40CFR 63.11509(a), Subpart WWWW: Initial Notification
- 70 40CFR 63.11509(b), Subpart WWWW: Notification of Compliance Status
- 71 40CFR 63.11509(c)(2), Subpart WWWW: Control System Annual Compliance Report
- 72 40CFR 63.11509(c)(7), Subpart WWWW: Annual Compliance Report
- 73 40CFR 63.11509(d), Subpart WWWW: Compliance Certification
- 74 40CFR 63.11509(e), Subpart WWWW: Compliance Certification
- 75 40CFR 63.11509(f), Subpart WWWW: Compliance Certification

EU=H-17659

- 76 40CFR 60.48c(g)(2), NSPS Subpart Dc: Alternative recordkeeping

EU=H-17659,EP=17659,Proc=H01,ES=AP300

- 77 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A



- 78 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 79 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification

EU=I-19000,Proc=I01

- 80 40CFR 63.11507(g), Subpart WWWW: Compliance Certification
- 81 40CFR 63.11508(c)(3), Subpart WWWW: Tank Covering Initial Compliance – Batch Process
- 82 40CFR 63.11508(d)(1), Subpart WWWW: Compliance Certification
- 83 40CFR 63.11508(d)(2), Subpart WWWW: Compliance Certification
- 84 40CFR 63.11508(d)(6), Subpart WWWW: Compliance Certification
- 85 40CFR 63.11508(d)(8), Subpart WWWW: Compliance Certification
- 86 40CFR 63.11509(a), Subpart WWWW: Initial Notification
- 87 40CFR 63.11509(b), Subpart WWWW: Notification of Compliance Status
- 88 40CFR 63.11509(c)(4), Subpart WWWW: Batch and Flash or Short-Term Annual Compliance Report – Tank Covering
- 89 40CFR 63.11509(c)(6), Subpart WWWW: Management Practices Annual Compliance Report
- 90 40CFR 63.11509(c)(7), Subpart WWWW: Annual Compliance Report
- 91 40CFR 63.11509(d), Subpart WWWW: Compliance Certification
- 92 40CFR 63.11509(e), Subpart WWWW: Compliance Certification
- 93 40CFR 63.11509(f), Subpart WWWW: Compliance Certification

EU=M-17608

- *94 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 95 6 NYCRR 212.4 (c): Compliance Certification
- 96 40CFR 63.11507(f)(1), Subpart WWWW: Compliance Certification
- 97 40CFR 63.11508(c)(9), Subpart WWWW: Existing Permanent Thermal Spraying Initial Compliance
- 98 40CFR 63.11508(d)(1), Subpart WWWW: Operation and Maintenance of Air Pollution Equipment
- 99 40CFR 63.11508(d)(2), Subpart WWWW: Compliance Certification
- 100 40CFR 63.11508(d)(4), Subpart WWWW: Compliance Certification
- 101 40CFR 63.11509(a), Subpart WWWW: Initial Notification
- 102 40CFR 63.11509(b), Subpart WWWW: Notification of Compliance Status
- 103 40CFR 63.11509(c)(2), Subpart WWWW: Control System Annual Compliance Report
- 104 40CFR 63.11509(c)(7), Subpart WWWW: Annual Compliance Report
- 105 40CFR 63.11509(d), Subpart WWWW: Compliance Certification
- 106 40CFR 63.11509(e), Subpart WWWW: Compliance Certification
- 107 40CFR 63.11509(f), Subpart WWWW: Compliance Certification

EU=P-17021

- *108 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=P-17021,EP=17021

- 109 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 110 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 111 40CFR 60.310(c), NSPS Subpart EE: Compliance Certification

EU=P-17021,EP=17021,Proc=P01



- 112 6 NYCRR 212.4 (c): Compliance Certification
- 113 6 NYCRR 212.4 (c): Compliance Certification
- 114 6 NYCRR 212.6 (a): Compliance Certification

EU=S-17260

- 115 6 NYCRR 212.4 (a): Compliance Certification
- 116 6 NYCRR 212.4 (b): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 117 ECL 19-0301: Contaminant List
- 118 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 119 6 NYCRR 211.2: Visible Emissions Limited
- 120 6 NYCRR 212.10 (a): NO_x and VOC RACT at Major Facilities
- 121 6 NYCRR 212.10 (e): RACT Applicability for Major Facilities

Emission Unit Level

EU=B-18201,EP=18201

- 122 6 NYCRR 227-1.2 (a) (2): Compliance Demonstration

EU=D-17551

- 123 6 NYCRR 212.4 (a): Compliance Demonstration
- 124 6 NYCRR 212.4 (b): Compliance Demonstration
- 125 6 NYCRR 212.10 (c) (1): RACT analysis not required for emission points less than 3 lb/hr VOC or NO_x

EU=M-17608

- 126 6 NYCRR 212.4 (a): Compliance Demonstration
- 127 6 NYCRR 212.4 (b): Compliance Demonstration
- 128 6 NYCRR 212.4 (c): Compliance Demonstration
- 129 6 NYCRR 212.4 (c): Compliance Demonstration
- 130 6 NYCRR 212.9 (b): Compliance Demonstration

EU=S-17260

- 131 6 NYCRR 212.9 (b): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: 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 B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR 201-6.5 (a) (6)

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



Item I: Severability - 6 NYCRR 201-6.5 (a) (9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: Permit Shield - 6 NYCRR 201-6.5 (g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR 201-6.5 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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.

Condition 2: Fees
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (c)

Item 3.1:



The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR 201-6.5 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR 201-6.5 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum



frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A



written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. 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. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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



Condition 6: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR 201-6.5 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

NYSDEC
1130 North Westcott Road
Schenectady, NY 12306-2014

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)



Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by



police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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.

Condition 11: Recycling and Salvage
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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 the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to



the air

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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.

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:

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 this Subpart. 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 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.

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 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.

Condition 15: Standard Requirement - Provide Information

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the



administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)

Item 17.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of



Condition 21: Recycling and Emissions Reduction
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 22: Emission Unit Definition
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

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

Emission Unit: A-10000

Emission Unit Description:

This emission unit consists of a non-exempt stationary combustion installation with a design heat input rating of 12.1 million BTU per hour burning natural gas located in the Engineering Systems Building (Bldg 4).

Building(s): 4

Item 22.2:

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

Emission Unit: B-18201

Emission Unit Description:

This emission unit consists of five package boilers located in the Boiler House (Building #6) routed to a common stack. The boilers have the following design heat input ratings: Boiler Numbers 1, 2, and 3: 32.7 MMBtu/hr each, Boiler Number 4: 65.6 MMBtu/hr, and Boiler Number 5: 60 MMBtu/hr. Boiler Numbers 1, 2, 3 and 5 are capable of burning either natural gas or fuel oil. Boiler Number 4 is capable of burning only fuel oil and incapable of being retrofitted to burn natural gas. Two processes (B01, B02) were defined for this emission unit consisting of burning No. 6 fuel oil, natural gas.

Building(s): 6

Item 22.3:

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



Emission Unit: D-17551

Emission Unit Description:

This emission unit consists of equipment located in the Chemical Processing Laboratory (CPL) of the Chemistry and Engineering Building (#9). The CPL normally synthesizes limited quantities (typically 10 to 1,000 pounds) of experimental materials including new additives or monomers for polymeric materials, new stabilizers, and new polymers. The emission unit includes a vacuum drying system, centrifugal filtration equipment, and reaction vessels and related equipment. In total, six separate exhaust system stacks serve this emission unit. Each piece of equipment may be used for research and development and/or limited scale manufacturing. Two processes (D01 and D02) were defined to represent these activities. This emission unit represents the grouping of existing permits for former "emission point" nos. 17551, 17552 and 17553.

Building(s): 9

Item 22.4:

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

Emission Unit: E-17624

Emission Unit Description:

This emission unit consists of equipment located in the Metallurgy and Ceramics (MET) Building, and associated air emission control equipment, including 4 existing thermal spray cells and a proposed 5th thermal spray cell. The spray cells are used for spray forming using materials that include metal-based alloys, and metal and ceramic powders. Dust collectors, which are integral to the processes, are used to control particulate emissions exhausted from the spray cells. Thermal spray processes include plasma arc and High Velocity Oxy-Fuel (HVOF). The HVOF process uses fuels such as hydrogen, natural gas, and C3/C4 liquefied hydrocarbons. The spray processes are conducted for R&D purposes, but may be used occasionally for limited-scale manufacturing. Therefore, two processes (E21 and E22) are used to define these activities.

Building(s): 2

Item 22.5:

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

Emission Unit: H-17659

Emission Unit Description:

This emission unit consists of one 28 MMBtu/hour natural gas fired indirect air preheater located in the Engineering Systems Building (#4) that is used to supply heated combustion air to the combustion test cell operations. Since this air preheater is only capable of

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



burning natural gas, only one process was defined (H01).

Building(s): 4

Item 22.6:

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

Emission Unit: I-19000

Emission Unit Description:

This emission unit is a non-chromium electroplating process that includes two (2) electrolytic plating tanks. Polypropylene balls are used to reduce misting, and the tanks are fitted with covers to further reduce emissions during plating operations.

Building(s): 1

Item 22.7:

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

Emission Unit: M-17608

End Date: 04/01/2013

Emission Unit Description:

This emission unit consists of an apparatus called a DC Plasma Spray located in the Metallurgy and Ceramics Building (#2) which is used to spray metal powders, and an associated vacuum collection system. This emission unit represents the grouping of existing permits for former "emission point" nos. 17608 and 17612. The DC Plasma Spray is normally used for R&D purposes, but potentially could be used for limited-scale manufacturing. Two processes (M01 and M02) were defined to represent these activities.

Building(s): 2

Item 22.8:

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

Emission Unit: P-17021

Emission Unit Description:

This emission unit consists of a paint spray booth and associated paint filter located in the Main R&D Building K-1 (#1) used for limited-volume coating of miscellaneous metal parts and metal furniture. Metal furniture coating is done solely for on-site maintenance purposes. No painting is done as a part of a manufacturing or retail operation. Two processes (P01 and P02) were defined representing painting with VOC compliant coatings and with Department-approved specialty coatings.

Building(s): 1

Item 22.9:

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

Emission Unit: S-17260



Emission Unit Description:

This emission unit consists of operations associated with the VLSI and PSF "clean room" operations located in the K-West Building (#10). Both electronic systems research and polymer studies are conducted in the building. The VLSI process area consists of equipment capable of being used to conduct electronics research and limited manufacturing in the areas of GE-proprietary detector development, multi-chip modules, silicon, and silicon carbide. The PSF area consists of equipment capable of being used to conduct research to quantify the flow characterization of a polyurethane foam system, or to produce small quantities of polymers. Each of these processes exhausts through one of four stacks. This emission unit represents the grouping of existing permits for former "emission point" nos. 17259 and 17260. The clean rooms are normally used for R&D, but potentially could be used for limited-scale manufacturing. Two processes (S01 and S02) were defined to represent these activities.

Building(s): 10

Condition 23: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 201-6.5 (f)

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance with the following Operational Flexibility Plan. The records shall indicate dates for each change proposed, ongoing, and completed under the Plan and include a description of that change. The description shall summarize the change and identify each affected emission unit, emission source, process, and/or emission point.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.



THE OPERATIONAL FLEXIBILITY PLAN CONSISTS OF THE FOLLOWING.

(A) Operational Flexibility:

No permit modifications will be required, under any approved emissions trading, economic incentives, marketable permits, or other similar programs or processes for changes that are provided for in the permit.

(1) Alternate operating scenarios. The permittee may propose a range of operating conditions that will allow flexibility to operate under more than one operating scenario. If any such scenarios have been specified within this permit, operation under each proposed alternate operating scenario is authorized without requiring a permit revision. The permittee must track and report the scenarios that the major stationary source operates under according to the requirements of this permit, and contemporaneously with making a change from one operating scenario to another, the facility owner and operator must record the scenarios in a log at the facility. The alternate operating scenarios shall be specified by terms and conditions stated in the permit and shall not contravene any applicable requirement. Alternative operating scenarios may include but are not limited to:

(i) Specifying, as maximum permissible operating conditions, alternative operational scenarios that can be expected to occur during the term of the permit.

(ii) The specification of the maximum permissible emissions rate as the enforceable limit unless the operational capacity of the emissions source or emission unit is limited as a result of applicable or other requirements.

(iii) The aggregation of emissions from emission units to be detailed under an approved operational flexibility plan, describing the manner in which emissions may be varied in quantity and nature among such emissions units. Applications must describe the location and characteristics of emission units involved, and the corresponding emissions.

(iv) Other bases for the facilitation of operational flexibility not in violation of federal or state law or regulation as approved by the Department and the Administrator.



(2) Protocol. In the operational flexibility plan the owner and/or operator may propose to incorporate a protocol component by which the permittee will evaluate proposed changes for compliance with applicable requirements. Compliance with an approved protocol shall serve as compliance with Part 212 of this Chapter except that it shall not undo previous 212.10 RACT determinations or otherwise absolve the permittee from 212.10 RACT compliance obligations. The protocol shall include provisions for notifying the Department of changes. Detail must be sufficient to allow for the assessment of control requirements, to determine compliance with applicable requirements and to maintain the Department's source inventory. Changes made pursuant to an approved protocol are not subject to the provisions of Section 201-6.7 of this Subpart.

(B) Plan Objective:

The objective of this Plan is to maximize operational flexibility by building capability into the Title V Permit for the facility to make administrative and/or minor changes following a preestablished protocol as allowed for in 6 NYCRR, Part 201-6.5(f).

This plan does not address those types of changes that would invoke the Part 201-6.7(d) "Significant Permit Modification". Rather, it addresses changes that qualify as minor modifications pursuant to the following criteria specified by 6 NYCRR Part 201-6.7(c)(1)(i) through (v):

(i) Do not violate any applicable requirement.

(ii) Do not involve significant changes to existing monitoring, reporting, or record keeping requirements in the permit and are not otherwise a significant change in the permit.

(iii) Do not require or change a case-by-case determination of a federal emission limitation or other federal standard, or a specific determination for portable sources causing adverse ambient impacts, or a visibility or increment analysis.

(iv) Do not seek to establish or change a permit term or condition that the facility has assumed to avoid an applicable requirement to which the emission source would otherwise be subject. Such terms and conditions include:



(a) A

federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the Act, including Part 231 of this Chapter; or

(b) An

alternative emissions limit approved pursuant to the early reduction program under Section 112 of the Act.

(v) Are not modifications under any provision of Title I of the Act, including modifications resulting in significant net emission increases as defined and regulated under Part 231 of this Chapter or the federal Prevention of Significant Deterioration program regulations at 40 CFR 52.21.

(C) Protocol for Changes:

(1) Certain changes which meet the criteria under (i) - (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must however maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

(i) Changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements under 6 NYCRR.

(ii) Changes which do not cause the subject emission unit, emission source, process, or emission point to become subject to any additional regulations or requirements under 6 NYCRR.

(iii) Changes that do not seek to establish or modify a federally-enforceable emission cap or limit.

(2) In addition to the record keeping required under (B)(1) above, the permittee must notify the Department in writing at least 30 calendar days in advance of making changes involving:

(i) the installation or relocation of any emission unit, emission source, process, or emission point within a facility;



(ii) the emission of any air pollutant not previously authorized or emitted in accordance with a permit issued by the Department;

(iii) the installation or alteration of any air cleaning installation, device or control equipment.

(3) The Department may require a permit modification, in order to impose applicable requirements or special permit conditions if it determines that changes proposed pursuant to notification under (2) above do not meet the criteria under (1) above or the change may have a significant air quality impact. In such cases the Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the change for air quality impacts and/or applicable requirements. The Department shall respond to the permittee in writing with such a determination within 15 days of receipt of the 30 day advance notification from the permittee. The Department's determination shall include a listing of information necessary to further review the proposed change.

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 1/30/2013.

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

**Condition 24: Non Applicable requirements
Effective between the dates of 07/09/2012 and 07/08/2017**

Applicable Federal Requirement:6 NYCRR 201-6.5 (g)

Item 24.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6 NYCRR 212.4 (c)

Emission Unit: D17551

Reason: There are no particulate emissions from any of the sources comprising this emission unit.

6 NYCRR 212.4 (c)

Emission Unit: S17260

Reason: There are no particulate emissions from any of the sources comprising this emission unit.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



6 NYCRR 227-2.4 (c) (1) (ii)
Emission Unit: B18201 Emission Point: 18201 Process: B01 Source:
BL500
Reason: Record keeping is maintained to verify that boiler No. 5 is fired primarily with natural gas and/or distillate oil. Backup fuel is residual oil.

6 NYCRR 227-2.4 (c) (1) (ii)
Emission Unit: B18201 Emission Point: 18201 Process: B01 Source:
BL400
Reason: The alternate control strategy indicated in the appropriate condition(s) under 6 NYCRR 227-2.4(c)(1)(iv) for process B01, source BL400, source BL400, applies in lieu of 227-2.4(c)(1)(ii).

40 CFR Part 60, Subpart Dc
Emission Unit: B18201 Emission Point: 18201
Reason: None of the boilers making up this emission unit have been constructed, modified or reconstructed, as defined by the EPA, after June 9, 1989.

40 CFR Part 60, Subpart GG
Reason: Per attachment to the Title V permit application:
"No stationary gas turbine subject to that rule is located at the facility."

Condition 25: Capping Monitoring Condition
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6

Item 25.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 25.3:
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.



appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations, as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available to the Department for review.

Parameter Monitored: VOC

Upper Permit Limit: 50 tons per year

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 26: Capping Monitoring Condition
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 26.1:

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

6 NYCRR Subpart 201-6

Item 26.2:

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

Item 26.3:

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 26.4:

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 26.5:

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 26.6:

The Compliance Certification activity will be performed for the Facility.

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

Item 26.7:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Records shall be maintained that indicate emissions of hazardous air pollutants (HAP). Emissions of HAP from sources at this facility shall be less than 50,000 pounds over any 12 consecutive months, and emissions of any single HAP shall be less than 20,000 pounds over any 12 consecutive months.

Emissions of HAP from sources at this facility will be based on emission factors and production factors that will be applied, as appropriate, to material usage records, operating records, production records, or fuel usage records. Emission factors and production factors used to develop the application for this permit are acceptable for calculating HAP emissions.

GE may propose updated and new emission and production factors for approval by the Department. The updated emission and production factors will not be used without the Department's approval.

Emissions from Exempt and Trivial activities shall be included in rolling monthly calculations, but will not require pre-approval for changes to emission and production factors used in these calculations.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations, as necessary, shall be retained for five years after the date of the last entry, and upon request, shall be made available to the Department for review.

Parameter Monitored: TOTAL HAP
Upper Permit Limit: 25 tons per year
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY



(v) emission factor(s) (if used to determine actual emissions);

(vi) primary and secondary control equipment identification code(s);

(vii) control efficiencies achieved by the control equipment. The control efficiency should reflect the total control efficiency from all control equipment for a specific criteria group (e.g., VOCs and NO_x). If the actual control efficiency is unavailable, the design efficiency or the control efficiency limit imposed by a permit shall be used;

(viii) annual process rate;

(ix) peak ozone season daily process rate.

(b) Petroleum, volatile organic liquid, and fuel storage and distribution facilities must provide the following additional information:

(1) tank capacity (including maximum and average liquid height, and working volume); and

(2) throughput associated with tanks and loading racks (including turnovers per year).

(c) The Department shall provide instructions concerning the emission statements applicable to a particular facility, when the statement is mailed to the facility. These instructions shall include control equipment identification code(s) and estimated emissions method code(s).

Condition 31: Submittal of Episode Action Plans
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Part 207

Item 31.1:

An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

Condition 32: Air pollution prohibited
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 211.1

Item 32.1:

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



Condition 33: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 33.1:

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

Emission Unit: D-17551

Emission Unit: E-17624

Emission Unit: M-17608

Emission Unit: S-17260

Item 33.2:

Compliance Certification 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 facility owner/operator shall conduct a Method 9 observation by a certified person of all emission points and/or emission sources for the process(es) twice per year during periods the emission unit process(es) operate. The observation shall be conducted during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If the observation of the emission point and/or emission source is 20 percent or greater the operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one business day of performing the Method 9 analysis. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records of observations shall include weather conditions observed, an explanation for each week that weather conditions are prohibitive, average opacity, and corrective actions taken.

Records shall be in a format acceptable to the Department,

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

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 1/30/2013.

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

Condition 34: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 225-1.2 (a) (2)

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 35: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 225-1.2 (a) (2)

Item 35.1:

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any residual fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent

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 1/30/2013.

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

Condition 36: Compliance.

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 225-1.6 (b)

Item 36.1:

As of January 1, 1988 any person who buys, sells, offer for sale, or uses fuel must comply with the percent sulfur requirements specified in section 6 NYCRR 225-1.2 of this regulation.

Condition 37: Compliance Certification

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 225-1.8

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or fuel oil shall compile and retain records of the following information:
a. fuel analyses and data on the quantities of all residual and distillate oil and coal received, burned or



sold;

b. the names of all purchasers of all residual and distillate oil and coal sold;

c. any results of stack sampling, stack monitoring and other procedures used to ensure compliance with the provisions of 6 NYCRR Part 225-1.

Fuel analyses must contain, as a minimum, data on the sulfur content, specific gravity and heating value of any residual oil, distillate oil or coal received, burned or sold. Ash content shall also be included in the fuel analyses for any residual oil or coal received, burned or sold.

These records shall be retained for a minimum period of three years. If the facility is subject to Title V requirements the minimum record retention period shall be five years. The records shall be made available for inspection by department staff during normal business hours. In addition, copies of such records shall be furnished to department staff upon request. All required sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the department.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 38: Sale of waste fuel prohibitions.
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 225-2.6 (c)

Item 38.1: No person may sell, offer for sale, deliver or exchange in trade any waste fuel except to a facility meeting the applicable requirements of this Subpart and the regulations promulgated pursuant to article 27, titles 7 and 9 and article 23, title 23 of ECL or to a transporter of waste fuel who is permitted under 6 NYCRR Part 364.

Condition 39: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Part 226

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 39.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (under cover), if practical.
- (3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.
- (4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained at least 15 seconds or until dripping ceases.

C. General Requirements:

A Person conducting solvent metal cleaning must:

- (1) Store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere.
- (2) Maintain equipment to minimize leaks and fugitive emissions.
- (3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.
- (4) Keep the degreaser cover closed except when:
 - (a) parts are being placed into or being removed from the degreaser;
 - (b) adding or removing solvent from the degreaser;
 - (c) no solvent is in the degreaser; or
 - (d) when manually cleaning metal parts in the cold cleaning degreaser.
- (5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.
- (6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.
- (7) If using a cold cleaning degreaser that is subject to



paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.

- (a) the name and address of the solvent supplier;
 - (b) the type of solvent including the product or vendor identification number; and
 - (c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).
- (8) Include in the semiannual monitoring report and annual compliance certifications (required of all permittees subject to Title V) the solvent consumption required under (5) above, as well as a statement that the permittee's obligations under items (1) through (7) above have been met for the period of the report or certification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 40.1:

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

Emission Unit: B-18201
Process: B01

Item 40.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. 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

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



installation sealed by the commissioner in accordance with this section.

Condition 43: Corrective action.

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 227-1.6 (d)

Item 43.1:

No person except the commissioner or his representative shall remove, tamper with, or destroy any seal affixed to any affected stationary combustion installation.

Condition 44: Compliance Certification

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 230.5 (a)

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 008006-61-9 GASOLINE

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of any gasoline dispensing site must maintain records showing the sum of all gasoline deliveries during the previous 12 consecutive months. This rolling total will be used to determine if the annual throughput exceeds 120,000 gallons thereby making the site subject to the requirements of 230.2. The appropriate Stage I and Stage II vapor collection systems must be in place prior to any site exceeding the 120,000 gallons in annual throughput. These records must be maintained at the site for a period of five years and be made available to Department representatives on request during normal business hours.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 45: National Emission Standard for Asbestos

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 61, NESHAP Subpart M

Item 45.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 61, Subpart M.



Condition 46: Stationary RICE subject to Regulations under 40 CFR Part 60

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 63.6590(c), Subpart ZZZZ

Item 46.1:

An affected source that meets any of the criteria listed below must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- new or reconstructed stationary RICE located at an area source,
- new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake horsepower located at a major source of HAP emissions,
- new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis,
- new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions,
- new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions.

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

**Condition 47: Emission Point Definition By Emission Unit
Effective between the dates of 07/09/2012 and 07/08/2017**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 47.1:

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

Emission Unit: A-10000

Emission Point: 17658

Height (ft.): 51

Diameter (in.): 33

NYTMN (km.): 4742.53

NYTME (km.): 591.794

Building: 4

Item 47.2:

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

Emission Unit: B-18201

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Emission Point: 18201
Height (ft.): 130 Diameter (in.): 96
NYTMN (km.): 4742.492 NYTME (km.): 592.082 Building: 6

Item 47.3:

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

Emission Unit: D-17551

Emission Point: 17552
Height (ft.): 42 Diameter (in.): 2
NYTMN (km.): 4742.53 NYTME (km.): 591.794 Building: 9

Emission Point: JE367
Height (ft.): 45 Length (in.): 17 Width (in.): 14
NYTMN (km.): 4742.53 NYTME (km.): 591.794 Building: 9

Emission Point: JE381
Height (ft.): 45 Length (in.): 19 Width (in.): 13
NYTMN (km.): 4742.53 NYTME (km.): 591.794 Building: 9

Emission Point: JE382
Height (ft.): 45 Length (in.): 16 Width (in.): 10
NYTMN (km.): 4742.53 NYTME (km.): 591.794 Building: 9

Emission Point: JE409
Height (ft.): 45 Length (in.): 30 Width (in.): 24
NYTMN (km.): 4742.53 NYTME (km.): 591.794 Building: 9

Emission Point: JE687
Height (ft.): 50 Diameter (in.): 26
NYTMN (km.): 4742.53 NYTME (km.): 591.794 Building: 9

Emission Point: JE693
Height (ft.): 50 Diameter (in.): 3
NYTMN (km.): 4742.53 NYTME (km.): 591.794 Building: 9

Item 47.4:

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

Emission Unit: E-17624

Emission Point: 17602
Height (ft.): 33 Diameter (in.): 32
NYTMN (km.): 4742.624 NYTME (km.): 592.033

Emission Point: 17624
Height (ft.): 34 Diameter (in.): 29
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 2

Emission Point: 17626
Height (ft.): 69 Length (in.): 73 Width (in.): 50



NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 2

Emission Point: 17628
Height (ft.): 35 Diameter (in.): 28
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 2

Emission Point: 17630
Height (ft.): 35 Diameter (in.): 28
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 2

Item 47.5:

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

Emission Unit: H-17659

Emission Point: 17659
Height (ft.): 42 Length (in.): 51 Width (in.): 16
NYTMN (km.): 4742.53 NYTME (km.): 591.794 Building: 4

Item 47.6:

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

Emission Unit: I-19000

Emission Point: 17004
Height (ft.): 54 Diameter (in.): 14
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 1

Emission Point: 17015
Height (ft.): 42 Length (in.): 24 Width (in.): 39
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 1

Item 47.7:

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

Emission Unit: M-17608

Emission Point: 17608 Removal Date: 04/01/2013
Height (ft.): 45 Diameter (in.): 10
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 2

Emission Point: 17612 Removal Date: 04/01/2013
Height (ft.): 45 Diameter (in.): 4
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 2

Item 47.8:

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

Emission Unit: P-17021

Emission Point: 17021
Height (ft.): 45 Diameter (in.): 23



NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 1

Item 47.9:

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

Emission Unit: S-17260

Emission Point: 17250
Height (ft.): 41 Diameter (in.): 32
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 10

Emission Point: 17251
Height (ft.): 37 Diameter (in.): 9
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 10

Emission Point: 17252
Height (ft.): 41 Diameter (in.): 32
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 10

Emission Point: 17253
Height (ft.): 41 Diameter (in.): 32
NYTMN (km.): 4742.624 NYTME (km.): 592.033 Building: 10

Condition 48: Process Definition By Emission Unit
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 48.1:

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

Emission Unit: A-10000
Process: A01 Source Classification Code: 1-03-006-03
Process Description:
This process is combustion of natural gas in a 12.1 million Btu per hour preheater.

Emission Source/Control: AP200 - Combustion
Design Capacity: 12.055 million Btu per hour

Item 48.2:

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

Emission Unit: B-18201
Process: B01 Source Classification Code: 1-03-004-01
Process Description:
Boiler Nos. 1, 2, 3, 4 and 5 are all capable of firing fuel oil. This process was created to allow the burning of No. 6 fuel oil in any of the boilers

Emission Source/Control: BL100 - Combustion
Design Capacity: 32.7 million Btu per hour



- Emission Source/Control: DF100 - Process
- Emission Source/Control: DF200 - Process
- Emission Source/Control: DS100 - Process
- Emission Source/Control: DS200 - Process
- Emission Source/Control: G5A00 - Process
- Emission Source/Control: GL100 - Process
- Emission Source/Control: GL500 - Process
- Emission Source/Control: GLA00 - Process
- Emission Source/Control: HM100 - Process
- Emission Source/Control: HPR05 - Process
- Emission Source/Control: RE001 - Process
- Emission Source/Control: RE100 - Process
- Emission Source/Control: SA100 - Process
- Emission Source/Control: SK100 - Process
- Emission Source/Control: SK200 - Process
- Emission Source/Control: SK300 - Process
- Emission Source/Control: SK400 - Process
- Emission Source/Control: SK500 - Process
- Emission Source/Control: SS100 - Process
- Emission Source/Control: SS500 - Process
- Emission Source/Control: SSC00 - Process
- Emission Source/Control: SSR50 - Process
- Emission Source/Control: TD100 - Process
- Emission Source/Control: TD200 - Process
- Emission Source/Control: TO030 - Process
- Emission Source/Control: VO100 - Process



Emission Source/Control: VO200 - Process

Emission Source/Control: VO300 - Process

Emission Source/Control: VO400 - Process

Emission Source/Control: VP100 - Process

Emission Source/Control: VP200 - Process

Emission Source/Control: WGT00 - Process

Item 48.5:

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

Emission Unit: D-17551

Process: D02

Source Classification Code: 3-01-018-99

Process Description:

This process consists of the equipment located in the Chemical Processing laboratory being operated in a manufacturing mode.

Emission Source/Control: CF100 - Process

Emission Source/Control: CF200 - Process

Emission Source/Control: CF300 - Process

Emission Source/Control: DE001 - Process

Emission Source/Control: DF100 - Process

Emission Source/Control: DF200 - Process

Emission Source/Control: DS100 - Process

Emission Source/Control: DS200 - Process

Emission Source/Control: G5A00 - Process

Emission Source/Control: GL100 - Process

Emission Source/Control: GL500 - Process

Emission Source/Control: GLA00 - Process

Emission Source/Control: HM100 - Process

Emission Source/Control: HPR05 - Process

Emission Source/Control: RE001 - Process

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Emission Source/Control: RE100 - Process

Emission Source/Control: SA100 - Process

Emission Source/Control: SK100 - Process

Emission Source/Control: SK200 - Process

Emission Source/Control: SK300 - Process

Emission Source/Control: SK400 - Process

Emission Source/Control: SK500 - Process

Emission Source/Control: SS100 - Process

Emission Source/Control: SS500 - Process

Emission Source/Control: SSC00 - Process

Emission Source/Control: SSR50 - Process

Emission Source/Control: TD100 - Process

Emission Source/Control: TD200 - Process

Emission Source/Control: TO030 - Process

Emission Source/Control: VO100 - Process

Emission Source/Control: VO200 - Process

Emission Source/Control: VO300 - Process

Emission Source/Control: VO400 - Process

Emission Source/Control: VP100 - Process

Emission Source/Control: VP200 - Process

Emission Source/Control: WGT00 - Process

Item 48.6:

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

Emission Unit: E-17624

Process: E21

Source Classification Code: 3-09-040-20

Process Description:

This process consists of the spray cells operating in a R&D mode.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Emission Source/Control: BH001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BH002 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BH003 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BH004 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BH005 - Control
Control Type: FABRIC FILTER

Emission Source/Control: BH100 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HEP00 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: HEPA1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HEPA2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HEPA3 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HEPA4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: HEPA5 - Control
Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: CY100 - Process

Emission Source/Control: HVF00 - Process

Emission Source/Control: SB100 - Process

Emission Source/Control: SC001 - Process
Design Capacity: 50 pounds per hour

Emission Source/Control: SC002 - Process
Design Capacity: 50 pounds per hour

Emission Source/Control: SC003 - Process
Design Capacity: 50 pounds per hour

Emission Source/Control: SC004 - Process

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Design Capacity: 50 pounds per hour

Emission Source/Control: SC005 - Process

Design Capacity: 5 pounds per hour

Item 48.7:

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

Emission Unit: E-17624

Process: E22

Source Classification Code: 3-09-040-20

Process Description:

This process consists of the spray cells operating in a manufacturing mode.

Emission Source/Control: BH001 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH002 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH003 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH004 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH005 - Control

Control Type: FABRIC FILTER

Emission Source/Control: BH100 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HEP00 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: HEPA1 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HEPA2 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HEPA3 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HEPA4 - Control

Control Type: FABRIC FILTER

Emission Source/Control: HEPA5 - Control

Control Type: HIGH EFFICIENCY PARTICULATE AIR FILTER

Emission Source/Control: CY100 - Process



Emission Source/Control: HVF00 - Process

Emission Source/Control: SB100 - Process

Emission Source/Control: SC001 - Process
Design Capacity: 50 pounds per hour

Emission Source/Control: SC002 - Process
Design Capacity: 50 pounds per hour

Emission Source/Control: SC003 - Process
Design Capacity: 50 pounds per hour

Emission Source/Control: SC004 - Process
Design Capacity: 50 pounds per hour

Emission Source/Control: SC005 - Process
Design Capacity: 5 pounds per hour

Item 48.8:

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

Emission Unit: H-17659

Process: H01

Source Classification Code: 1-03-006-02

Process Description:

This process consists of one air preheater associated with the test cells. It is only capable of burning natural gas.

Emission Source/Control: AP300 - Combustion

Design Capacity: 28 million Btu per hour

Item 48.9:

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

Emission Unit: I-19000

Process: I01

Source Classification Code: 3-09-010-97

Process Description:

This process consists of non-chromium electroplating in either of two tanks. The tanks are equipped with covers that are used during plating operations to minimize emissions.

Emission Source/Control: COVR1 - Control

Control Type: SECONDARY SEAL FOR EXTERNAL ROOF TANK

Emission Source/Control: COVR2 - Control

Control Type: SECONDARY SEAL FOR EXTERNAL ROOF TANK

Emission Source/Control: TANK1 - Process

Emission Source/Control: TANK2 - Process



Emission Source/Control: PF100 - Control
Control Type: MAT OR PANEL FILTER

Emission Source/Control: PB100 - Process

Item 48.13:

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

Emission Unit: P-17021
Process: P02 Source Classification Code: 4-02-001-10
Process Description:
This process consists of utilizing up to 55 gallons per year of specialty coatings approved by the Department as defined in 6 NYCRR 228 in the spray paint booth.

Emission Source/Control: PF100 - Control
Control Type: MAT OR PANEL FILTER

Emission Source/Control: PB100 - Process

Item 48.14:

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

Emission Unit: S-17260
Process: S01 Source Classification Code: 3-13-065-05
Process Description:
This process consists of conducting research in the VLSI and PSF "clean room" operations.

Emission Source/Control: BB100 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BB200 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BB300 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: FS100 - Control
Control Type: WET SCRUBBER

Emission Source/Control: FS200 - Control
Control Type: WET SCRUBBER

Emission Source/Control: FS300 - Control
Control Type: WET SCRUBBER

Emission Source/Control: FS400 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AB100 - Process

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Emission Source/Control: AC100 - Process

Emission Source/Control: AH100 - Process

Emission Source/Control: AH200 - Process

Emission Source/Control: AH300 - Process

Emission Source/Control: AH400 - Process

Emission Source/Control: AH500 - Process

Emission Source/Control: AH600 - Process

Emission Source/Control: AH700 - Process

Emission Source/Control: AS100 - Process

Emission Source/Control: ASTEP - Process

Emission Source/Control: BC100 - Process

Emission Source/Control: BC200 - Process

Emission Source/Control: BC300 - Process

Emission Source/Control: BK100 - Process

Emission Source/Control: BK200 - Process

Emission Source/Control: BK300 - Process

Emission Source/Control: BK400 - Process

Emission Source/Control: BK500 - Process

Emission Source/Control: CHAEV - Process

Emission Source/Control: CV100 - Process

Emission Source/Control: CV200 - Process

Emission Source/Control: CV400 - Process

Emission Source/Control: CV500 - Process

Emission Source/Control: CV600 - Process

Emission Source/Control: CV700 - Process

Emission Source/Control: DV100 - Process



- Emission Source/Control: DV200 - Process
- Emission Source/Control: DV300 - Process
- Emission Source/Control: DVASE - Process
- Emission Source/Control: DVCE1 - Process
- Emission Source/Control: DVSMO - Process
- Emission Source/Control: DVSS1 - Process
- Emission Source/Control: DVSSS - Process
- Emission Source/Control: DY100 - Process
- Emission Source/Control: DY200 - Process
- Emission Source/Control: DY300 - Process
- Emission Source/Control: DY400 - Process
- Emission Source/Control: ET100 - Process
- Emission Source/Control: ET200 - Process
- Emission Source/Control: ET300 - Process
- Emission Source/Control: EX100 - Process
- Emission Source/Control: EX200 - Process
- Emission Source/Control: EX300 - Process
- Emission Source/Control: GC100 - Process
- Emission Source/Control: GV100 - Process
- Emission Source/Control: GV200 - Process
- Emission Source/Control: GV300 - Process
- Emission Source/Control: GV400 - Process
- Emission Source/Control: GV500 - Process
- Emission Source/Control: HD100 - Process
- Emission Source/Control: HD200 - Process
- Emission Source/Control: HD300 - Process



- Emission Source/Control: HD400 - Process
- Emission Source/Control: HD500 - Process
- Emission Source/Control: HD600 - Process
- Emission Source/Control: HD700 - Process
- Emission Source/Control: HD800 - Process
- Emission Source/Control: HD900 - Process
- Emission Source/Control: HDA00 - Process
- Emission Source/Control: HDA01 - Process
- Emission Source/Control: HDA02 - Process
- Emission Source/Control: HDA03 - Process
- Emission Source/Control: HDA04 - Process
- Emission Source/Control: HDA05 - Process
- Emission Source/Control: HDB00 - Process
- Emission Source/Control: HDC00 - Process
- Emission Source/Control: HDD00 - Process
- Emission Source/Control: HP200 - Process
- Emission Source/Control: HP300 - Process
- Emission Source/Control: LZ100 - Process
- Emission Source/Control: LZ200 - Process
- Emission Source/Control: LZ300 - Process
- Emission Source/Control: LZ400 - Process
- Emission Source/Control: MC100 - Process
- Emission Source/Control: MC200 - Process
- Emission Source/Control: MC300 - Process
- Emission Source/Control: OV100 - Process
- Emission Source/Control: OV200 - Process



- Emission Source/Control: PR600 - Process
- Emission Source/Control: PR700 - Process
- Emission Source/Control: PR800 - Process
- Emission Source/Control: PS004 - Process
- Emission Source/Control: RC100 - Process
- Emission Source/Control: RI100 - Process
- Emission Source/Control: RI200 - Process
- Emission Source/Control: RI300 - Process
- Emission Source/Control: RI400 - Process
- Emission Source/Control: RI500 - Process
- Emission Source/Control: RI600 - Process
- Emission Source/Control: RI700 - Process
- Emission Source/Control: RS100 - Process
- Emission Source/Control: RTA01 - Process
- Emission Source/Control: RTA02 - Process
- Emission Source/Control: SC100 - Process
- Emission Source/Control: SCSSE - Process
- Emission Source/Control: SCTEV - Process
- Emission Source/Control: SELEN - Process
- Emission Source/Control: SELSC - Process
- Emission Source/Control: SIRCT - Process
- Emission Source/Control: SP000 - Process
- Emission Source/Control: SP100 - Process
- Emission Source/Control: SP200 - Process
- Emission Source/Control: SP300 - Process
- Emission Source/Control: SP400 - Process



- Emission Source/Control: SP500 - Process
- Emission Source/Control: SP600 - Process
- Emission Source/Control: SP700 - Process
- Emission Source/Control: SP800 - Process
- Emission Source/Control: SP900 - Process
- Emission Source/Control: SPN00 - Process
- Emission Source/Control: SPN01 - Process
- Emission Source/Control: SPN02 - Process
- Emission Source/Control: SPN03 - Process
- Emission Source/Control: SPN04 - Process
- Emission Source/Control: ST100 - Process
- Emission Source/Control: SUSSA - Process
- Emission Source/Control: TEMEV - Process
- Emission Source/Control: TSTEP - Process
- Emission Source/Control: VA100 - Process
- Emission Source/Control: VA200 - Process
- Emission Source/Control: VA300 - Process
- Emission Source/Control: VA400 - Process
- Emission Source/Control: VA500 - Process
- Emission Source/Control: VL001 - Process
- Emission Source/Control: VP001 - Process
- Emission Source/Control: VP002 - Process
- Emission Source/Control: VP003 - Process
- Emission Source/Control: WB100 - Process
- Emission Source/Control: WB200 - Process
- Emission Source/Control: WB300 - Process

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Emission Source/Control: WB400 - Process

Emission Source/Control: WB500 - Process

Emission Source/Control: WB700 - Process

Emission Source/Control: WB800 - Process

Emission Source/Control: WS001 - Process

Emission Source/Control: WS100 - Process

Emission Source/Control: WS200 - Process

Emission Source/Control: WS300 - Process

Emission Source/Control: WS600 - Process

Item 48.15:

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

Emission Unit: S-17260

Process: S02

Source Classification Code: 3-13-065-05

Process Description:

This process consists of conducting limited manufacturing in the VLSI and PSF "clean-room" operations.

Emission Source/Control: BB100 - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BB200 - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: BB300 - Control

Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: FS100 - Control

Control Type: WET SCRUBBER

Emission Source/Control: FS200 - Control

Control Type: WET SCRUBBER

Emission Source/Control: FS300 - Control

Control Type: WET SCRUBBER

Emission Source/Control: FS400 - Control

Control Type: WET SCRUBBER

Emission Source/Control: AB100 - Process

Emission Source/Control: AC100 - Process

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Emission Source/Control: AH100 - Process

Emission Source/Control: AH200 - Process

Emission Source/Control: AH300 - Process

Emission Source/Control: AH400 - Process

Emission Source/Control: AH500 - Process

Emission Source/Control: AH600 - Process

Emission Source/Control: AH700 - Process

Emission Source/Control: AS100 - Process

Emission Source/Control: ASTEP - Process

Emission Source/Control: BC100 - Process

Emission Source/Control: BC200 - Process

Emission Source/Control: BC300 - Process

Emission Source/Control: BK100 - Process

Emission Source/Control: BK200 - Process

Emission Source/Control: BK300 - Process

Emission Source/Control: BK400 - Process

Emission Source/Control: BK500 - Process

Emission Source/Control: CHAEV - Process

Emission Source/Control: CV100 - Process

Emission Source/Control: CV200 - Process

Emission Source/Control: CV400 - Process

Emission Source/Control: CV500 - Process

Emission Source/Control: CV600 - Process

Emission Source/Control: CV700 - Process

Emission Source/Control: DV100 - Process

Emission Source/Control: DV200 - Process



- Emission Source/Control: PR400 - Process
- Emission Source/Control: PR500 - Process
- Emission Source/Control: PR600 - Process
- Emission Source/Control: PR700 - Process
- Emission Source/Control: PR800 - Process
- Emission Source/Control: PS004 - Process
- Emission Source/Control: RC100 - Process
- Emission Source/Control: RI100 - Process
- Emission Source/Control: RI200 - Process
- Emission Source/Control: RI300 - Process
- Emission Source/Control: RI400 - Process
- Emission Source/Control: RI500 - Process
- Emission Source/Control: RI600 - Process
- Emission Source/Control: RI700 - Process
- Emission Source/Control: RS100 - Process
- Emission Source/Control: RTA01 - Process
- Emission Source/Control: RTA02 - Process
- Emission Source/Control: SC100 - Process
- Emission Source/Control: SCSSE - Process
- Emission Source/Control: SCTEV - Process
- Emission Source/Control: SELEN - Process
- Emission Source/Control: SELSC - Process
- Emission Source/Control: SIRCT - Process
- Emission Source/Control: SP000 - Process
- Emission Source/Control: SP100 - Process
- Emission Source/Control: SP200 - Process



Emission Source/Control: WB500 - Process

Emission Source/Control: WB700 - Process

Emission Source/Control: WB800 - Process

Emission Source/Control: WS001 - Process

Emission Source/Control: WS100 - Process

Emission Source/Control: WS200 - Process

Emission Source/Control: WS300 - Process

Emission Source/Control: WS600 - Process

Condition 49: Emission Unit Permissible Emissions
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 49.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: B-18201

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 1,130,000 pounds per year

Emission Unit: E-17624

CAS No: 0NY075-00-0

Name: PARTICULATES

PTE(s): 1,212.5 pounds per year

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 24.5 pounds per year

Emission Unit: M-17608

CAS No: 0NY075-00-5

Name: PM-10

PTE(s): 75 pounds per year

Emission Unit: B-18201

CAS No: 0NY210-00-0

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



CAS No: 007446-09-5 SULFUR DIOXIDE

Item 50.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This condition results from PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively.

The PSD permitting requirements in 1984 limited the sulfur dioxide emissions to 565 tons in any calendar year.

Based on the above, the sum of monthly emissions in any 12 consecutive months shall not exceed the upper limit of 565 tons of sulfur dioxide emissions.

Compliance shall be demonstrated by summing the monthly sulfur dioxide emissions that result from multiplying "fuel usage" times the "appropriate emission factor" for each of the permitted fuels burned in that month. Operating and fuel usage records shall be utilized to determine the quantity of each fuel burned and the emission factor appropriate for that type of fuel. Emission factors acceptable shall be the most recent available from the latest applicable edition and supplement of the USEPA Compilation of Air Pollutant Emission Factors (AP-42).

NYSDEC reserves the right to conduct emissions testing or fuel sampling at any time it deems necessary to verify compliance.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 565 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 51: Capping Monitoring Condition
Effective between the dates of 07/09/2012 and 07/08/2017



Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 51.1:

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:

40 CFR 52.21 (i) (1)

Item 51.2:

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

Item 51.3:

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 51.4:

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 51.5:

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 51.6:

The Compliance Certification activity will be performed for:

Emission Unit: B-18201

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 51.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This condition results from PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from



all five boilers collectively.

The PSD permitting requirements in 1984 limited the oxides of nitrogen emissions to 137.5 tons in any calendar year.

Based on the above, the sum of monthly emissions in any 12 consecutive months shall not exceed the upper limit of 137.5 tons of oxides of nitrogen emissions.

Compliance shall be demonstrated by summing the monthly oxides of nitrogen emissions that result from multiplying "fuel usage" times the "appropriate emission factor" for each of the permitted fuels burned in that month.

Operating and fuel usage records shall be utilized to determine the quantity of each fuel burned and the emission factor appropriate for that type of fuel.

Emission factors acceptable shall be the most recent available from the latest applicable edition and supplement of the USEPA Compilation of Air Pollutant Emission Factors (AP-42) and shall be based on guidance from the Department concerning the nitrogen content of fuel.

NYSDEC reserves the right to conduct emissions testing or fuel sampling at any time it deems necessary to verify compliance.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 137.5 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 52: Capping Monitoring Condition
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 52.1:

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:

40 CFR 52.21



Item 52.2:

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

Item 52.3:

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 52.4:

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 52.5:

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 52.6:

The Compliance Certification activity will be performed for:

Emission Unit: B-18201

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 52.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This condition results from PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively.

The quantity of all fuel oil burned in any 12 consecutive months is limited to 5.00 million gallons.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the quantity of fuel oil burned for the year to date by summing the monthly fuel oil usage of each boiler



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 53.5:

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 53.6:

The Compliance Certification activity will be performed for:

Emission Unit: B-18201

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 53.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition results from PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively.

Sulfur content in fuel oil No. 6 (process B01) is limited to 2.0 percent by weight for the first 2.29 million gallons burned in any calendar year.

Sulfur content in fuel oil No. 6 (process B01) is limited to 1.0 percent by weight over and above the first 2.29 million gallons burned in any calendar year.

The NYSDEC Region 4 office, Attn: Regional Air Pollution Control Engineer, must be notified when the 2.29 million gallon figure is achieved.

Fuel usage reports must be submitted to the NYSDEC Region 4 office, Attn: Regional Air Pollution Control Engineer, on a semi-annual basis.

Each report must include the following information per unit: vendor, gallons and pounds of oil burned, average sulfur content of the fuel oil expressed as percent by weight, pounds of sulfur emitted, heat content of the fuel oil expressed as Btu per pound, and the ash content in parts per million. In addition, the report must list the total amount of oil burned on a cumulative basis and the



total average sulfur content of the fuel oil.

NYSDEC reserves the right to conduct emissions testing or fuel sampling at any time it deems necessary to verify compliance.

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 1/30/2013.

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

Condition 54: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR 225-1.6 (b)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-18201

Emission Point: 18201

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As of January 1, 1988 any person who buys, sells, offers for sale, or uses fuel must comply with the percent sulfur requirements specified in section 6 NYCRR 225-1.2 of this regulation.

For fuel oil usage for the first 2.29 million gallons burned in any calendar year, the permittee shall retain fuel oil supplier certifications for each shipment of oil received.

For fuel oil usage in any calendar year which is over and above the first 2.29 million gallons burned, the permittee shall provide fuel analyses.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: PER DELIVERY

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 55: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-18201

Emission Point: 18201

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) On each day any boiler is fired by fuel oil, observe the stack for that boiler which is operating on oil once per day for visible emissions (determining the presence or absence of visible emissions). This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

3) If the daily instantaneous observations have any visible emissions (other than steam - see ** NOTE ** below) for two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must notify the Regional Air Pollution Control Engineer (RAPCE) within one (1) business day of performing the Method 9 analysis if the opacity standard



is contravened. Upon RAPCE notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

4) Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

5) The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

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 1/30/2013.

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

Condition 56: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 227.2 (b) (1)

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-18201

Emission Point: 18201

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion



installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2013.

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

Condition 57: Capping Monitoring Condition
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 57.1:

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:

40 CFR 52.21

Item 57.2:

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

Item 57.3:

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 57.4:

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

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



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 57.5:

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 57.6:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

CAS No: 0NY075-00-0 PARTICULATES

Item 57.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is individually limited for each of the following five devices to:

SC001: 20,000 pounds

SC002: 20,000 pounds

SC003: 20,000 pounds

SC004: 20,000 pounds

SC005 (proposed) 20,000 pounds

The total material throughput for any 12 consecutive months is limited to 100,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: MATERIAL

Upper Permit Limit: 100,000 pounds

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 58: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 212.4 (a)

Item 58.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 58.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The facility will comply with the permissible emission rate limitations in Table 4 by operating and maintaining control equipment (fabric filter and high efficiency particulate air filter) in accordance with the manufacturer's instructions and good operating procedures. The control equipment will be inspected on a weekly basis during the weeks the equipment is operated.

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 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 59.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Item 59.2:
Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 1/30/2013.

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

Condition 60: Compliance Certification

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility will limit emissions of solid particulate to 0.050 grains per dry standard cubic feet of exhaust gas or less expressed at standard conditions on a dry gas basis.

Compliance testing will be conducted upon request by the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 61: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR 212.9 (b)

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The degree of air cleaning required is determined by Table 2 of 6NYCRR 212.9(b), as defined by emission rate potential.

A previous emission point permit regulating emissions from this emission unit indicates there are A rated contaminants, identifies the maximum emission rate potential at greater than 1 pound per hour, and indicates the degree of air cleaning is in excess of 99 percent. Calculations included with the Title V application indicate a maximum emission rate potential in excess of 1 pound per hour for an A rated contaminant and identify a removal efficiency greater than 99 percent.

For an A rated contaminant with an emission rate potential of 1 pound per hour or greater, Table 2 indicates the degree of air cleaning required shall be 99 percent or greater or best available control technology. Based on this requirement and on the preceding paragraph, the degree of air cleaning required for A rated contaminants is 99 percent.

The Department reserves the right to require the performance of compliance testing, should the need arise.

Parameter Monitored: DEGREE OF AIR CLEANING

Lower Permit Limit: 99 percent

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Reference Test Method: 40 CFR 60 Appendix A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 62: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 63.11507(f)(1), Subpart WWWWWW

Item 62.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Item 62.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For existing permanent thermal spraying operations, the owner or operator must operate a capture system that collects PM emissions from the thermal spraying process and transports the emissions to a water curtain, fabric filter, or HEPA filter, according to paragraphs (i) and (ii).

(i) The owner or operator must operate all capture and control devices according to the manufacturer's specifications and instructions.

(ii) The owner or operator must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

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 1/30/2013.
Subsequent reports are due every 12 calendar month(s).

Condition 63: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017



**Applicable Federal Requirement:40CFR 63.11507(f)(2), Subpart
WWWWWW**

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For new permanent thermal spraying operations, the owner or operator must operate a capture system that collects PM emissions from the thermal spraying process and transports the emissions to a fabric or HEPA filter, according to paragraphs (i) and (ii).

(i) The owner or operator must operate all capture and control devices according to the manufacturer's specifications and instructions.

(ii) The owner or operator must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

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 1/30/2013.

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

**Condition 64: Existing Permanent Thermal Spraying Initial Compliance
Effective between the dates of 07/09/2012 and 07/08/2017**

**Applicable Federal Requirement:40CFR 63.11508(c)(9), Subpart
WWWWWW**

Item 64.1:

This Condition applies to Emission Unit: E-17624

Item 64.2:

The owner or operator of an existing affected permanent thermal spraying operation that applies one or more of the plating and polishing metal HAP and is subject to the requirements in 40CFR 63.11507(f)(1) must demonstrate initial compliance according to paragraphs (i) through (iii).



(i) The owner or operator must install a control system that is designed to capture PM emissions from the thermal spraying operation and exhaust them to a water curtain, fabric filter, or HEPA filter.

(ii) The owner or operator must state in the Notification of Compliance Status that he/she has installed and are operating the control system according to the manufacturer's specifications and instructions.

(iii) The owner or operator must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

Condition 65: New Permanent Thermal Spraying Initial Compliance
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 40CFR 63.11508(c)(10), Subpart

WWWWWW

Item 65.1:

This Condition applies to Emission Unit: E-17624

Item 65.2:

The owner or operator of a new affected permanent thermal spraying operation that applies one or more of the plating and polishing metal HAP and is subject to the requirements in 40CFR 63.11507(f)(2) must demonstrate initial compliance according to paragraphs (i) through (iii).

(i) The owner or operator must install and operate a control system that is designed to capture PM emissions from the thermal spraying operation and exhaust them to a fabric or HEPA filter.

(ii) The owner or operator must state in the Notification of Compliance Status that he/she has installed and operate the control system according to the manufacturer's specifications and instructions.

(iii) The owner or operator must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

Condition 66: Operation and Maintenance of Air Pollution Equipment
Effective between the dates of 07/09/2012 and 07/08/2017



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

Item 66.1:

This Condition applies to Emission Unit: E-17624

Item 66.2:

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

**Condition 67: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017**

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Item 67.2:

Compliance Certification 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 1/30/2013.

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

**Condition 68: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017**

**Applicable Federal Requirement:40CFR 63.11508(d)(4), Subpart
WWWWWW**

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Item 68.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40CFR 63.11507(a) and uses a control system to comply with 40CFR 63 WWWWWW; an affected dry mechanical polishing operation that is subject to 40CFR 63.11507(e); or an affected thermal spraying operation that is subject to 40CFR 63.11507(f)(1) or (2), must demonstrate continuous compliance according to paragraphs (i) through (v).

(i) The owner or operator must operate and maintain the control system according to the manufacturer's specifications and instructions.

(ii) Following any malfunction or failure of the capture or control devices to operate properly, the owner or operator must take immediate corrective action to return the equipment to normal operation according to the manufacturer's specifications and operating instructions.

(iii) The owner or operator must state in his/her annual certification that he/she has operated and maintained the control system according to the manufacturer's specifications and instructions.

(iv) The owner or operator must record the results of all control system inspections, deviations from proper operation, and any corrective action taken.

(v) The owner or operator must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

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 1/30/2013.

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

Condition 69: Initial Notification

Effective between the dates of 07/09/2012 and 07/08/2017

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

WWWWW



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

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Item 73.2:

Compliance Certification 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 1/30/2013.

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

**Condition 74: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017**

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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Item 74.2:

Compliance Certification 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.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



(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 1/30/2013.

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

Condition 75: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-17624

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 75.2:

Compliance Certification 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 76: Alternative recordkeeping
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 60.48c(g)(2), NSPS Subpart Dc

Item 76.1:

This Condition applies to Emission Unit: H-17659

Item 76.2: As an alternative to meeting the requirements of 40 CFR



625 Broadway
Albany, NY 12233-3258

Condition 79: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 60.48c(i), NSPS Subpart Dc

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: H-17659	Emission Point: 17659
Process: H01	Emission Source: AP300

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 80: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

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

WWWWW

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: I-19000
Process: I01

Item 80.2:

Compliance Certification 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 1/30/2013.

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

Condition 81: Tank Covering Initial Compliance – Batch Process
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 63.11508(c)(3), Subpart

WWWWWW

Item 81.1:

This Condition applies to Emission Unit: I-19000

Process: I01

Item 81.2:

The owner or operator of an affected batch electrolytic process tank, as defined in 40CFR 63.11511 that contains one or more of the plating and polishing metal HAP and which is subject to the requirements in 40CFR 63.11507(a) and uses a tank cover, as defined in 40CFR 63.11511, to comply with 40CFR 63
WWWWWW, must demonstrate initial compliance according to paragraphs (i) through (iv).

(i) The owner or operator must install a tank cover on the affected tank.

(ii) The owner or operator must state in the Notification of Compliance Status that he/she operates the tank with the cover in place at least 95 percent of the electrolytic process operating time.

(iii) The owner or operator must implement the applicable management practices specified in 40CFR 63.11507(g), as practicable.

(iv) The owner or operator must state in the Notification of Compliance Status that he/she has implemented the applicable management practices specified in 40CFR 63.11507(g), as practicable.

Condition 82: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

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

WWWWWW

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: I-19000

Process: I01

Regulated Contaminant(s):

CAS No: ONY100-00-0 TOTAL HAP

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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 1/30/2013.

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

Condition 83: Compliance Certification

Effective between the dates of 07/09/2012 and 07/08/2017

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

WWWWW

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: I-19000

Process: I01

Item 83.2:

Compliance Certification 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 1/30/2013.

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

Condition 84: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 63.11508(d)(6), Subpart
WWWWWW

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: I-19000

Process: I01

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected batch electrolytic process tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements of 40CFR 63.11507(a) or a flash or short-term electroplating tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40CFR 63.11507(b), and complies by operating the affected tank with a cover, must demonstrate continuous compliance according to paragraphs (i) through (iii).

(i) The owner or operator must operate the tank with the cover in place at least 95 percent of the electrolytic process operating time.

(ii) The owner or operator must record the times that the tank is operated and the times that the tank is covered on a daily basis.

(iii) The owner or operator must state in his/her annual certification that he/she has operated the tank with the cover in place at least 95 percent of the electrolytic process time.

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 1/30/2013.

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

Condition 85: Compliance Certification

Effective between the dates of 07/09/2012 and 07/08/2017

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

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: I-19000

Process: I01

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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 1/30/2013.

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

Condition 86: Initial Notification

Effective between the dates of 07/09/2012 and 07/08/2017

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

WWWWW

Item 86.1:

This Condition applies to Emission Unit: I-19000

Process: I01

Item 86.2:

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.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



(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.

Condition 87: Notification of Compliance Status
Effective between the dates of 07/09/2012 and 07/08/2017

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

Item 87.1:

This Condition applies to Emission Unit: I-19000
Process: I01

Item 87.2:

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.

(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.

Condition 88: Batch and Flash or Short-Term Annual Compliance Report –
Tank Covering
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 63.11509(c)(4), Subpart
WWWWW

Item 88.1:

This Condition applies to Emission Unit: I-19000
Process: I01



Item 88.2:

The owner or operator of an affected batch electrolytic process tank that is subject to the requirements of 40CFR 63.11507(a) or a flash or short-term electroplating tank that is subject to the requirements in 40CFR 63.11507(b) and complies by operating the affected tank with a cover, must state in his/her annual certification that he/she has operated the tank with the cover in place at least 95 percent of the electrolytic process time.

Condition 89: Management Practices Annual Compliance Report
Effective between the dates of 07/09/2012 and 07/08/2017

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

Item 89.1:

This Condition applies to Emission Unit: I-19000
Process: I01

Item 89.2:

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.

Condition 90: Annual Compliance Report
Effective between the dates of 07/09/2012 and 07/08/2017

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

Item 90.1:

This Condition applies to Emission Unit: I-19000
Process: I01

Item 90.2:

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.

Condition 91: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017



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

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: I-19000
Process: I01

Item 91.2:

Compliance Certification 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 1/30/2013.

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

**Condition 92: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017**

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

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: I-19000
Process: I01

Item 92.2:

Compliance Certification 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 1/30/2013.

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

Condition 93: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

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

Item 93.1:
The Compliance Certification activity will be performed for:

Emission Unit: I-19000
Process: I01

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

Item 93.2:
Compliance Certification 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 94: Capping Monitoring Condition
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 94.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



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:

40 CFR 52.21 (i) (1)

Item 94.2:

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

Item 94.3:

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 94.4:

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 94.5:

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 94.6:

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

CAS No: 0NY075-00-5 PM-10

Item 94.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total material throughput for any 12 consecutive months is limited to 10,000 pounds for this emission unit.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: MATERIAL
Upper Permit Limit: 10,000 pounds
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 95: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PM-10
Upper Permit Limit: 0.050 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 96: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 63.11507(f)(1), Subpart
WWWWWW

Item 96.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-17608

Item 96.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For existing permanent thermal spraying operations, the owner or operator must operate a capture system that collects PM emissions from the thermal spraying process and transports the emissions to a water curtain, fabric filter, or HEPA filter, according to paragraphs (i) and (ii).

(i) The owner or operator must operate all capture and control devices according to the manufacturer's specifications and instructions.

(ii) The owner or operator must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

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 1/30/2013.

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

Condition 97: Existing Permanent Thermal Spraying Initial Compliance
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 63.11508(c)(9), Subpart
WWWWWW

Item 97.1:



This Condition applies to Emission Unit: M-17608

Item 97.2:

The owner or operator of an existing affected permanent thermal spraying operation that applies one or more of the plating and polishing metal HAP and is subject to the requirements in 40CFR 63.11507(f)(1) must demonstrate initial compliance according to paragraphs (i) through (iii).

(i) The owner or operator must install a control system that is designed to capture PM emissions from the thermal spraying operation and exhaust them to a water curtain, fabric filter, or HEPA filter.

(ii) The owner or operator must state in the Notification of Compliance Status that he/she has installed and are operating the control system according to the manufacturer's specifications and instructions.

(iii) The owner or operator must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

**Condition 98: Operation and Maintenance of Air Pollution Equipment
Effective between the dates of 07/09/2012 and 07/08/2017**

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

WWWWWW

Item 98.1:

This Condition applies to Emission Unit: M-17608

Item 98.2:

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

**Condition 99: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017**

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

WWWWWW

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-17608

Item 99.2:



(iii) The owner or operator must state in his/her annual certification that he/she has operated and maintained the control system according to the manufacturer's specifications and instructions.

(iv) The owner or operator must record the results of all control system inspections, deviations from proper operation, and any corrective action taken.

(v) The owner or operator must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

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 1/30/2013.

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

Condition 101: Initial Notification

Effective between the dates of 07/09/2012 and 07/08/2017

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

WWWWWW

Item 101.1:

This Condition applies to Emission Unit: M-17608

Item 101.2:

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.

Condition 102: Notification of Compliance Status

Effective between the dates of 07/09/2012 and 07/08/2017



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

Item 102.1:

This Condition applies to Emission Unit: M-17608

Item 102.2:

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.

(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.

**Condition 103: Control System Annual Compliance Report
Effective between the dates of 07/09/2012 and 07/08/2017**

**Applicable Federal Requirement:40CFR 63.11509(c)(2), Subpart
WWWWWW**

Item 103.1:

This Condition applies to Emission Unit: M-17608

Item 103.2:

The owner or operator of any one of the affected sources listed in paragraphs (i) through (iii) must state in his/her annual certification that he/she has operated and maintained the control system according to the manufacturer's specifications and instructions.

(i) Electroplating, electroforming, or electropolishing tank that is subject to the requirements in 40CFR 63.11507(a) and uses a control system to comply with 40CFR 63 WWWWWW;



(ii) Dry mechanical polishing operation that is subject to 40CFR 63.11507(e); or

(iii) Permanent thermal spraying operation that is subject to 40CFR 63.11507(f)(1) or (2).

Condition 104: Annual Compliance Report
Effective between the dates of 07/09/2012 and 07/08/2017

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

Item 104.1:
This Condition applies to Emission Unit: M-17608

Item 104.2:
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.

Condition 105: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

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

Item 105.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-17608

Item 105.2:
Compliance Certification 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

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Emission Unit: M-17608

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 107.2:

Compliance Certification 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 108: Capping Monitoring Condition

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 108.1:

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:

40 CFR 52.21 (i) (1)

Item 108.2:

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

Item 108.3:

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 108.4:

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.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Item 109.2:

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 110: EPA Region 2 address.
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 110.1:

This Condition applies to Emission Unit: P-17021 Emission Point: 17021

Item 110.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Condition 111: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:40CFR 60.310(c), NSPS Subpart EE

Item 111.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-17021 Emission Point: 17021

Item 111.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Monitoring Description:

Any owner or operator of a metal furniture surface coating operation that uses less than 3,842 liters (1015 gallons) of coating (as applied) per year and keeps purchase or inventory records or other data necessary to substantiate annual coating usage shall be exempt from all other provisions of this subpart. These records shall be maintained at the source for a period of at least 2 years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 112: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 112.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-17021

Emission Point: 17021

Process: P01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 112.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of all paint spray booths must periodically monitor the booths and the accompanying particulate control device(s) by completing the following tasks on a weekly basis during weeks the paint spray booths operate:

- Inspect the spray booth emission point for evidence of paint fallout and for presence of visible emissions. Presence of visible emissions indicates that the emission sources may not be operating properly and may need servicing.
- Inspect the spray booth's particulate control device for evidence that maintenance or replacement is needed.
- Record in an inspection log, which shall be made available for Department review upon request, the following information: Date, time, name of staff person

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



performing inspection, and inspection results for each inspection; and, whenever a problem is discovered, a description of the problem, cause and corrective action taken.

Regardless of when a problem is noted, i.e., at a time other than during the weekly inspection, it must be immediately remedied.

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 1/30/2013.

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

Condition 113: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 113.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-17021

Emission Point: 17021

Process: P01

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 113.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 114: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-17021

Emission Point: 17021

Process: P01

Item 114.2:

Compliance Certification 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 1/30/2013.
Subsequent reports are due every 12 calendar month(s).

Condition 115: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-17260

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (direct flame afterburners and wet scrubbers) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 1/30/2013.

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

Condition 116: Compliance Certification
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: S-17260

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Permit ID: 4-4224-00001/00103 Facility DEC ID: 4422400001



Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: 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 applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 117: Contaminant List

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:ECL 19-0301

Item 117.1:

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

CAS No: 007446-09-5

Name: SULFUR DIOXIDE



CAS No: 008006-61-9
Name: GASOLINE

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY075-00-5
Name: PM-10

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

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0
Name: VOC

**Condition 118: Unavoidable noncompliance and violations
Effective between the dates of 07/09/2012 and 07/08/2017**

Applicable State Requirement:6 NYCRR 201-1.4

Item 118.1:

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 119: Visible Emissions Limited
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 211.2

Item 119.1:

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

Condition 120: NO_x and VOC RACT at Major Facilities
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.10 (a)

Item 120.1:

Owners and/or operators of facilities located outside of the lower Orange County and New York City metropolitan areas with an annual potential to emit of 100 tons or more of nitrogen oxides or 50 tons or more of volatile organic compounds must comply with the requirements of section 212.10-Reasonably Available Control Technology for major facilities.

Condition 121: RACT Applicability for Major Facilities
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.10 (e)

Item 121.1:

All process sources applicable to 6 NYCRR Part 212.10 after May 31, 1995 will remain subject to all provisions of that section even if the facility's annual potential to emit of nitrogen oxides or volatile organic emissions falls below the applicability thresholds.



**** Emission Unit Level ****

Condition 122: Compliance Demonstration
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 227-1.2 (a) (2)

Item 122.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-18201 Emission Point: 18201

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 122.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a boiler or combination of boilers (connected to the same emission point) with a maximum heat input exceeding 50 mmBtu per hour but no greater than 250 mmBtu per hour firing oil, other than distillate oil.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 5 / Method 17

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2013.

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

Condition 123: Compliance Demonstration
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 123.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: D-17551

Item 123.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 1/30/2013.

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

Condition 124: Compliance Demonstration

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement: 6 NYCRR 212.4 (b)

Item 124.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: D-17551

Item 124.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request,



shall be made available for Department review.

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 1/30/2013.

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

Condition 125: RACT analysis not required for emission points less than 3 lb/hr VOC or NOx

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.10 (c) (1)

Item 125.1:

This Condition applies to Emission Unit: D-17551

Item 125.2:

A reasonably available control technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas.

Condition 126: Compliance Demonstration

Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 126.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

Item 126.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of this Part for the environmental rating issued by the commissioner.

Compliance with the requirement shall be accomplished by operating and maintaining the control equipment (fabric and vacuum filters) in accordance with the manufacturer's operating procedures, instructions, and requirements and good engineering practices. If available, a copy of the manufacturer's operating procedures, instructions and



requirements shall be maintained with the permit at the facility at all times. Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance. The records shall indicate the date of control equipment checks and the maintenance activities, repairs, and corrective actions performed.

In addition, the facility owner/operator shall inspect the control equipment once per week during weeks the emission unit process(es) operate. If the control equipment is not operating as required, corrective action is required. Documentation shall be maintained, by keeping records of inspections as appropriate, to demonstrate compliance. The records shall indicate for each emission unit process operating the control equipment that has been checked, whether such equipment is operating properly, and provide an explanation of any corrective actions taken.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 1/30/2013.

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

Condition 127: Compliance Demonstration
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.4 (b)

Item 127.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

Item 127.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance.

Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

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 1/30/2013.

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

Condition 128: Compliance Demonstration
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.4 (c)

Item 128.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

Item 128.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



The initial report is due 1/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 129: Compliance Demonstration
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.4 (c)

Item 129.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

Item 129.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PM-10

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Methods 201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 130: Compliance Demonstration
Effective between the dates of 07/09/2012 and 07/08/2017

Applicable State Requirement:6 NYCRR 212.9 (b)

Item 130.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: M-17608

Item 130.2:

New York State Department of Environmental Conservation

Permit ID: 4-4224-00001/00103

Facility DEC ID: 4422400001



Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The degree of air cleaning required is determined by Table 2 of 6NYCRR 212.9(b), as defined by emission rate potential.

A previous emission point permit regulating emissions from this emission unit indicates there are A rated and B rated contaminants, identifies the maximum emission rate potential (for both total and individual contaminants) at less than 1 pound per hour, and indicates the degree of air cleaning is 95 percent or higher. Calculations included with the Title V application indicate a maximum emission rate potential of less than 1 pound per hour for both individual A rated and B rated contaminants, a total emission rate potential of between 1 and 10 pounds per hour for all the contaminants, and a removal efficiency of 95 percent or greater.

For A rated contaminants with an emission rate potential of less than 1 pound per hour and for B rated contaminants with an emission rate potential of less than 10 pounds per hour, Table 2 indicates the degree of air cleaning required shall be specified by the Department. Based on this requirement and on the preceding paragraph, the degree of air cleaning required for A rated contaminants is that identified as existing in the Title V permit application and accompanying calculations, which is 95 percent for the spray forming operation (DC Plasma Spray) and 98 percent for the vacuum pump system (Vacuum System).

The Department reserves the right to require the performance of compliance testing, should the need arise.

Parameter Monitored: DEGREE OF AIR CLEANING

Lower Permit Limit: 95 percent

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 131: Compliance Demonstration
Effective between the dates of 07/09/2012 and 07/08/2017



Applicable State Requirement:6 NYCRR 212.9 (b)

Item 131.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: S-17260

Item 131.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The degree of air cleaning required is determined by Table 2 of 6NYCRR 212.9(b), as defined by emission rate potential.

A previous emission point permit regulating emissions from this emission unit indicates there are B rated contaminants, identifies the maximum emission rate potential at less than 10 pounds per hour, and indicates the degree of air cleaning is 0 percent.

For a B rated contaminant with an emission rate potential of less than 10 pounds per hour, Table 2 indicates the degree of air cleaning required shall be specified by the Department. Based on this requirement and on the preceding paragraph, the degree of air cleaning required for B rated contaminants is 0 percent.

The Department reserves the right to require the performance of compliance testing, should the need arise.

Parameter Monitored: DEGREE OF AIR CLEANING

Lower Permit Limit: 0 percent

Reference Test Method: 40 CFR 60 Appendix A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

