



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-2614-00907/00001
Effective Date: 04/08/2013 Expiration Date: 04/07/2018

Permit Issued To: TRUESENSE IMAGING INC
1964 LAKE AVE
ROCHESTER, NY 14615

Contact: CHRISTOPHER J MCNIFFE
TRUESENSE IMAGING INC
1964 LAKE AVE
ROCHESTER, NY 14615
(585) 784-5607

Facility: TRUESENSE IMAGING INC
1964 LAKE AVE|
ROCHESTER, NY 14615

Contact: JAMES R O'CONNOR
TRUESENSE IMAGING INC
1964 LAKE AVE
ROCHESTER, NY 14615
(585) 784-5530

Description:
Renewal of the Title V Facility Permit for Truesense Imaging Inc semiconductor solid state imaging device manufacturing and research operations at 1964 Lake Avenue, previously known as Building 81 of Eastman Business Park. These operations were formerly a part of Eastman Kodak's operations at the same location, and were transferred from Kodak to Truesense Imaging in November 2011.

Semiconductor research and manufacturing operations continue unchanged, except for an additional silicon wafer production process in the microelectric fabrication area, authorized under the permit's Part 201-6.5(f) operational flexibility plan.

Other changes from the previous Permit are due to new and revised requirements that are now in effect. These include:

Specific 40 CFR 63 Subpart BBBBBB Semiconductor Manufacturing Maximum Achievable Control Technology (MACT) permit conditions, to replace a more general condition in the transferred Permit. This also required revising the grouping of existing processes according to the composition of emissions, to accommodate the Subpart BBBBBB different maximum concentrations for hazardous air pollutant (HAP) emissions, based on whether the HAP emissions are organic, inorganic, or a combination of both.



And

New permit conditions to address 40 CFR 63 Subpart ZZZZ Stationary Reciprocating Internal Combustion Engines (RICE) National Emission Standards for Hazardous Air Pollutants (NESHAP), grouped under a new Emission Unit F-AC003 for emergency generator engines at the 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: SCOTT SHEELEY
 NYS DEC
 6274 E AVON-LIMA RD
 AVON, NY 14414

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 8 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 8 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 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(585) 226-2466

New York State Department of Environmental Conservation

Permit ID: 8-2614-00907/00001

Facility DEC ID: 8261400907



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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1964 LAKE AVE
ROCHESTER, NY 14615

Facility: TRUESENSE IMAGING INC
1964 LAKE AVE
ROCHESTER, NY 14615

Authorized Activity By Standard Industrial Classification Code:
3674 - SEMICONDUCTORS & RELATED DEVICES

Permit Effective Date: 04/08/2013

Permit Expiration Date: 04/07/2018



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 202-2.1: Compliance Certification
- 3 6 NYCRR 202-2.5: Recordkeeping requirements
- 4 6 NYCRR 215.2: Open Fires - Prohibitions
- 5 6 NYCRR 200.7: Maintenance of Equipment
- 6 6 NYCRR 201-1.7: Recycling and Salvage
- 7 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 8 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 9 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 10 6 NYCRR 202-1.1: Required Emissions Tests
- 11 40 CFR Part 68: Accidental release provisions.
- 12 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 13 6 NYCRR Subpart 201-6: Emission Unit Definition
- 14 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 15 6 NYCRR 201-6.4 (a) (7): Fees
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 18 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 19 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 20 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 21 6 NYCRR 201-6.4 (e): Compliance Certification
- 22 6 NYCRR 201-6.4 (f): Compliance Certification
- 23 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 24 6 NYCRR 211.1: Air pollution prohibited
- 25 6 NYCRR 212.5 (e): Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant
- 26 6 NYCRR 231-11.2 (b): Compliance Certification
- 27 6 NYCRR 231-11.2 (c): Compliance Certification
- 28 40CFR 61, NESHAP Subpart M: National Emission Standard for Asbestos
- 29 40CFR 63, Subpart A: General Provisions

Emission Unit Level

- 30 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=F-AC001

- 31 6 NYCRR Part 226: Compliance Certification

EU=F-AC003,Proc=SIL

- 32 6 NYCRR 227-1.3 (a): Compliance Certification
- 33 40CFR 63.6602, Subpart ZZZZ: Compliance Certification
- 34 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
- 35 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
- 36 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
- 37 40CFR 63.6640(f)(1), Subpart ZZZZ: Compliance Certification



38 40CFR 63.6655(f), Subpart ZZZZ: Compliance Certification

EU=U-00020

- 39 40CFR 63.7190(a)(1), Subpart BBBBB: Compliance Certification
- 40 40CFR 63.7190(a)(2), Subpart BBBBB: Compliance Certification
- 41 40CFR 63.7191(a)(1), Subpart BBBBB: Compliance Certification
- 42 40CFR 63.7191(a)(2), Subpart BBBBB: Compliance Certification
- 43 40CFR 63.7192, Subpart BBBBB: Compliance Certification
- 44 40CFR 63.7193, Subpart BBBBB: Compliance Certification

EU=U-00020,Proc=N04

45 40CFR 63.7184(b), Subpart BBBBB: Compliance Certification

EU=U-00020,Proc=N05

46 40CFR 63.7184(c), Subpart BBBBB: Compliance Certification

EU=U-00020,Proc=N06

47 40CFR 63.7184(f), Subpart BBBBB: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 48 ECL 19-0301: Contaminant List
- 49 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 50 6 NYCRR 212.4 (a): Emissions from new emission sources and/or modifications
- 51 6 NYCRR 212.5 (d): Less restrictive permissible emission rate possible if BACT applied



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, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

(3) During the period of the emergency the facility owner 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 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 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 201-6.2 (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 201-6.2 (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 201-6.4 (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 201-6.4 (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 201-6.4 (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 201-6.4 (a) (6)

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



Item I: Severability - 6 NYCRR 201-6.4 (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 201-6.4 (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 201-6.4 (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 04/08/2013 and 04/07/2018

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: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 2.1:

The Compliance Certification activity will be performed for the Facility.

Item 2.2:

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

New York State Department of Environmental Conservation

Permit ID: 8-2614-00907/00001

Facility DEC ID: 8261400907



year. Statements are to be mailed to: New York State
Department of Environmental Conservation, Division of Air
Resources, Bureau of Air Quality Planning, 625 Broadway,
Albany NY 12233-3251

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 3: Recordkeeping requirements
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 3.1:

(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 4: Open Fires - Prohibitions
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 215.2

Item 4.1:

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 4.2

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 5: Maintenance of Equipment
Effective between the dates of 04/08/2013 and 04/07/2018**

Applicable Federal Requirement:6 NYCRR 200.7

Item 5.1:

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 6: Recycling and Salvage
Effective between the dates of 04/08/2013 and 04/07/2018**

Applicable Federal Requirement:6 NYCRR 201-1.7



Item 6.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 7: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 7.1:

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 8: Exempt Sources - Proof of Eligibility

Effective between the dates of 04/08/2013 and 04/07/2018

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

Item 8.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 9: Trivial Sources - Proof of Eligibility

Effective between the dates of 04/08/2013 and 04/07/2018

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

Item 9.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 10: Required Emissions Tests

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 10.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 11: Accidental release provisions.

Effective between the dates of 04/08/2013 and 04/07/2018

New York State Department of Environmental Conservation

Permit ID: 8-2614-00907/00001

Facility DEC ID: 8261400907



Building(s): 081

Item 13.2:

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

Emission Unit: F-AC003

Emission Unit Description:

Facility emission unit for emergency stationary reciprocating internal combustion engines (RICE) and associated fugitive emissions

Building(s): 081

Item 13.3:

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

Emission Unit: U-00020

Emission Unit Description:

Semiconductor research and manufacturing area including fabrication, mixing, filtering, cleaning operations, maintenance and associated fugitive emissions.

Building(s): 081
082

Condition 14: Requirement to Provide Information

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 14.1:

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 15: Fees

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 15.1:

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 16: Right to Inspect

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 201-6.4 (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: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/08/2013 and 04/07/2018**

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)

Item 17.1:

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 201-6.2 of Part 201.

**Condition 18: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/08/2013 and 04/07/2018**

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)



Item 18.1:

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 19: Compliance Certification

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)

Item 19.1:

The Compliance Certification activity will be performed for the Facility.

Item 19.2:

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 20: Progress Reports Due Semiannually
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 20.1:

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 21: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 201-6.4 (e)

Item 21.1:

The Compliance Certification activity will be performed for the Facility.



Item 21.2:

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 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 Region 8 Headquarters
6274 East Avon-Lima Road
Avon, NY 14414-9519

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 1/30/2014.
Subsequent reports are due on the same day each year

Condition 22: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement: 6 NYCRR 201-6.4 (f)

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to maximize operational flexibility at the facility by building into the Title V permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.4(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6.

II. Protocol



A. Criteria

1. The facility shall evaluate changes reviewed under this protocol in accordance with the following criteria:

a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. The new or changed source will be associated with an existing emissions unit, process, emission source or emission point that has the necessary regulatory citations. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or, subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the NSR thresholds identified in 6 NYCRR Part 231-2 or 40 CFR 52.21. The facility will submit documentation of major NSR program non-applicability for NYSDEC review and approval consistent with the advance notification provisions of Section III.B. below.

c. The facility shall not use the protocol to make physical changes or changes in the method of operation of existing emission sources that would require a new federally enforceable cap either to avoid major New Source Review requirements or to address and comply with other Clean Air Act requirements such as RACT. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under Protocol

1. The facility shall notify the Department in writing at least 30 calendar days in advance of making any changes reviewed under the protocol which meet the criteria above. When the change is to a source subject to a federally applicable requirement, the EPA administrator shall be notified in a similar manner.

2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources, and emission points



affected by the proposed change with applicable revisions shown in a revised Emission Unit Matrix;

b. Description of the proposed change;

c. If appropriate, the identification and description of emissions control technology and compliance terms;

d. Documentation of the project's or emission source's compliance with respect to all state and/or federally applicable requirements according to an established procedure which includes the following steps:

i. For new emission sources, identify all contaminants and calculate the emission rate potential and maximum projected actual annual emission rates after the proposed change. For changes to existing emission sources, emission rate potential and maximum projected actual annual emission rates shall be provided for all contaminants affected by the change.

ii. Indicate the environmental rating for each contaminant identified in III.B.2.d.i as previously established by the Department or proposed based on the current DAR-1 Ambient Guideline Concentration Table or toxicological review.

iii. Provide the rationale for determining that major NSR does not apply which may include: 1) an explanation that the change is not a source project or modification under 40 CFR 52.21, 2) calculations that demonstrate that the emissions increase from the project alone is not significant or, 3) calculations that demonstrate that the net emissions increase for the contemporaneous period is not significant.

iv. Provide the necessary information for a facility-wide ambient impact analysis, including the maximum projected actual annual emission rates consistent with the permit.

v. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source, using the emissions information, environmental ratings, modeling results and knowledge of operations.

e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.



C. Review and Approval of Changes

1. The facility will be permitted to proceed with the change 30 days from the Department's receipt of the notification and/or additional information upon prior Departmental approval, whichever is first, unless the Department determines that a more detailed review (in accordance with #3 below) or a permit modification (in accordance with #2 below) is required.
2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under III.A or that the change may have a significant air quality impact or be otherwise potentially significant under SEQRA (6NYCRR Part 617).
3. The Department may require that the permittee not undertake the proposed change until the Department completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.
4. The Department shall respond to the permittee in writing with a determination under #2 or 3 above within 15 days of receipt of the notification and/or additional information from the permittee.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, the facility shall comply with all applicable requirements and permit conditions, including any amended or proposed conditions in accordance with III.A.1.a above.
2. On a semi-annual basis, the facility shall provide a summary of the changes made in accordance with this protocol during the corresponding period and a statement of the compliance status of each.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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



Condition 23: Off Permit Changes
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

Item 23.1:

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 title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 24: Air pollution prohibited
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 211.1

Item 24.1:

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 25: Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR 212.5 (e)

Item 25.1:

A process emission source, subject to the Federal new source performance standards in 40 CFR Part 60, the national emission standards for hazardous air pollutants in 40 CFR part 61, or to the polychlorinated biphenyl disposal criteria in 40 CFR Part 761 satisfies the requirements of this Part for the contaminant regulated by the Federal standard if the source owner can demonstrate



that the source is in compliance with the respective Federal regulation.

Condition 26: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement: 6 NYCRR 231-11.2 (b)

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a modification where the projected actual annual emissions (rather than the potential to emit) is used to determine the project emission potential, and (1) the project emission potential is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of Part 231, or (2) the project emission potential when added to emissions excluded in accordance with 231-4.1(b)(40)(i)(c) is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13, the facility owner or operator, in addition to complying with any requirements under 6 NYCRR Part 201, must maintain the following information for a minimum of five years:

- (1) A description of the modification.
- (2) An identification of each new or modified emission source(s) including the associated processes and emission unit.
- (3) The calculation of the project emission potential for each modified emission source(s) including supporting documentation.
- (4) The date the modification commenced operation.

These recordkeeping requirements apply to exempt and trivial activities but do not affect their exempt or trivial permitting status under 6 NYCRR Part 201-3. The facility must submit these records to the Department, upon the Department's request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 27: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement: 6 NYCRR 231-11.2 (c)

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a modification where the projected actual emissions (rather than the potential to emit) is used to determine the project emission potential, and (1) the project emission potential is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of 6 NYCRR Part 231-13, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with 231-4.1(b)(40)(i)(c) are added, or (2) the project emission potential equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of 6 NYCRR Part 231-13, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of 6 NYCRR Part 201-6 or obtain a preconstruction permit under the provisions of Subpart 201-6, and must:

(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the



modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s).

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with 6 NYCRR 231-11.2(c)(2). The report must contain:

- (i) the name, address, and telephone number of the major facility.
- (ii) the annual emissions as calculated pursuant to 6 NYCRR 231-11.2(c)(2).
- (iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 28: National Emission Standard for Asbestos
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 61, NESHAP Subpart M

Item 28.1:

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

Condition 29: General Provisions
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63, Subpart A

Item 29.1:

This emission source is subject to the applicable provisions of 40 CFR 63 Subpart A. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**** Emission Unit Level ****

Condition 30: Process Definition By Emission Unit
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 30.1:

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



Emission Unit: F-AC001
Process: 226 Source Classification Code: 4-01-003-36
Process Description:
Solvent metal cleaning machines with 6 NYCRR Part 226 applicability which would otherwise be exempt or trivial consistent with Part 201-3.

Emission Source/Control: F0226 - Process

Item 30.2:

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

Emission Unit: F-AC003
Process: SIL Source Classification Code: 2-01-002-02
Process Description:
Spark Ignition Engines less than or equal to 500 brake horsepower which commenced construction or reconstruction before June 12, 2006.

Emission Source/Control: SILBH - Combustion

Item 30.3:

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

Emission Unit: U-00020
Process: N01 Source Classification Code: 3-13-065-99
Process Description:
Semiconductor manufacturing with no HAP emissions subject to 40 CFR 63 Subpart BBBBBB and Part 212 Table 2 requirements only

Emission Source/Control: 081AJ - Process

Emission Source/Control: 081AV - Process

Emission Source/Control: 082BD - Process

Item 30.4:

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

Emission Unit: U-00020
Process: N04 Source Classification Code: 3-13-065-99
Process Description:
Semiconductor manufacturing with organic HAP emissions subject to 40 CFR Part 63 Subpart BBBBBB and Part 212 Table 2 requirements only.

Emission Source/Control: 081AI - Process

Emission Source/Control: 081AK - Process



Emission Source/Control: 081AW - Process

Emission Source/Control: 081CA - Process

Emission Source/Control: 082BC - Process

Item 30.5:

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

Emission Unit: U-00020

Process: N05

Source Classification Code: 3-13-065-99

Process Description:

Semiconductor manufacturing with inorganic HAP emissions subject to 40 CFR Part 63 Subpart BBBBBB and Part 212 Table 2 requirements only.

Emission Source/Control: 081AC - Process

Emission Source/Control: 081AU - Process

Item 30.6:

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

Emission Unit: U-00020

Process: N06

Source Classification Code: 3-13-065-99

Process Description:

Semiconductor manufacturing with combined organic and inorganic HAP emissions subject to 40 CFR Part 63 Subpart BBBBBB and Part 212 Table 2 requirements only.

Emission Source/Control: 081AA - Process

Emission Source/Control: 081AB - Process

Emission Source/Control: 081AD - Process

Emission Source/Control: 081AE - Process

Condition 31: Compliance Certification

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:6 NYCRR Part 226

Item 31.1:

The Compliance Certification activity will be performed for:

Emission Unit: F-AC001

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 31.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for Cold Cleaning Degreasers

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning when the internal volume of the unit is greater than 2 gallons:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (under cover), if practical. When cleaning a part that isn't practical to drain under cover, the part shall be drained in a way which minimizes emissions of VOC.
- (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).

D. Record Keeping Requirements:

Deviations from these requirements shall be recorded in a log maintained for this purpose within the corresponding operating area and shall be appropriately identified in the semi-annual monitoring report. In addition, the log must note whether the cold cleaner is equipped with an internal drain as specified in item A(2) above.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 32: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

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

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: F-AC003

Process: SIL

Item 32.2:

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 that for one six-minute block 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

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evaluation at any time during facility operation. The stationary RICE units subject to this condition shall be fired only with natural gas.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2013.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement: 40CFR 63.6602, Subpart ZZZZ

Item 33.1:
The Compliance Certification activity will be performed for:

Emission Unit: F-AC003
Process: SIL

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

Item 33.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Beginning on October 19, 2013 for each stationary RICE unit in Process SIL, the facility shall meet the following requirements in accordance with Table 2c of Subpart ZZZZ:

- 1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- 2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and
- 3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

The facility has the option to utilize an oil analysis program as described in §63.6625(j) in order to extend the specified oil change requirement.

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The facility shall maintain the records of the maintenance activities and inspections described above on site and shall make them available to the Department upon request.

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 1/30/2014.

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

Condition 34: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.6625(e), Subpart ZZZZ

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: F-AC003

Process: SIL

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Beginning on October 19, 2013 for each stationary RICE unit in Process SIL, the facility must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

The facility shall maintain the records of the maintenance activities described above on site and shall make them available to the Department upon request.

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 1/30/2014.

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

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Condition 35: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.6625(f), Subpart ZZZZ

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: F-AC003

Process: SIL

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Prior to October 19, 2013, the facility must install a non-resettable hour meter on each stationary RICE unit in Process SIL if one is not already installed.

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 1/30/2014.

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

Condition 36: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.6625(h), Subpart ZZZZ

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: F-AC003

Process: SIL

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Beginning on October 19, 2013 for each stationary RICE unit in Process SIL, the facility must minimize the engine's time spent idle during startup and minimize the



engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

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 1/30/2014.

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

Condition 37: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.6640(f)(1), Subpart ZZZZ

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: F-AC003

Process: SIL

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Beginning on October 19, 2013, the facility must operate each stationary RICE unit in Process SIL, in accordance with paragraph 63.6640(f)(1) as follows:

- i) There is no time limit on the use of emergency stationary RICE in emergency situations.
- ii) The facility may operate each emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The facility may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the facility maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.
- iii) The facility may operate each emergency stationary RICE up to 50 hours per year in non-emergency situations,



but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this condition, as long as the power provided by the financial arrangement is limited to emergency power.

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 1/30/2014.

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

Condition 38: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement: 40CFR 63.6655(f), Subpart ZZZZ

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: F-AC003

Process: SIL

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

Beginning on October 19, 2013 for each stationary RICE unit in Process SIL, the facility must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The facility must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the facility must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

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 1/30/2014.

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

Condition 39: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.7190(a)(1), Subpart BBBBB

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Emission Unit U-00020, Processes N01, N04, N05, and N06, the facility will submit periodic compliance reports covering the semiannual periods from January 1 through June 30 and July 1 through December 31. Each report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the reporting period. Each report must contain the following information:

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the



report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) If there are no deviations from any emission limitations that apply to the facility, a statement that there were no deviations from the emission limitations during the reporting period and that no CMS was inoperative, inactive, malfunctioning, out-of-control, repaired, or adjusted.

(5) If the facility had a startup, shutdown, or malfunction during the reporting period and the facility took actions consistent with the SSMP, the periodic compliance report must include the information in §63.10(d)(5) for each startup, shutdown, and malfunction.

For each deviation from an emission limitation that occurs, the periodic compliance report must also contain the total operating time of the affected source during the reporting period and information on the number, duration and cause of deviations (including unknown cause), if applicable.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 40: Compliance Certification

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.7190(a)(2), Subpart BBBBB

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Emission Unit U-00020, Processes N01, N04, N05, and N06, the facility will submit an Immediate Startup,

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Shutdown, and Malfunction Report if a startup, shutdown, or malfunction occurred during the reporting period that is not consistent with the facility's SSMP. The report must contain actions taken during the event and be submitted by fax or telephone within 2 working days after starting actions inconsistent with the SSMP. The facility is required to follow up this report with a letter within 7 working days after the end of the event unless alternative arrangements have been made with NYSDEC. The letter must contain the name, title, and signature of the responsible official who is certifying its accuracy, explain the circumstances of the event and the reasons for not following the SSMP, describe all excess emissions and/or parameter monitoring exceedances which are believed to have occurred (or could have occurred in the case of malfunctions), and actions taken to minimize emissions.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 41: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.7191(a)(1), Subpart BBBBB

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Emission Unit U-00020, Processes N01, N04, N05, and N06, the facility will keep a copy of each notification and report submitted to comply with Subpart BBBBB, including all documentation supporting any submitted Initial Notification of Compliance Status, and period reports of compliance.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.7191(a)(2), Subpart BBBBB



Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Regulated Contaminant(s):

CAS No: ONY100-00-0 HAP

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Emission Unit U-00020, Processes N01, N04, N05, and N06, the facility will keep records related to startup, shutdown, and malfunctions as follows:

- 1) When actions taken during a startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), or malfunction (including actions taken to correct a malfunction) were consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan (SSMP), the facility must keep records for that event demonstrating that the procedures were followed. These records may take the form of a checklist or other effective form of recordkeeping that confirms conformance with the SSMP and describes the actions taken for that event. In addition, the facility must keep records of the occurrence and duration of each malfunction and any startup or shutdown that caused an applicable limit to be exceeded.
- 2) When an action taken during a startup, shutdown, or malfunction (including an action taken to correct a malfunction) was not consistent with the procedures specified in the SSMP, and the source exceeds any applicable emission limitation in the relevant emission standard, the facility must record the actions taken for that event.
- 3) The facility must maintain a current SSMP and must make the plan available upon request for inspection and copying by the Administrator. If the SSMP is revised, the facility must maintain each previous (i.e., superseded) version of the SSMP on-site, and make each such previous version available for inspection and copying by the Administrator for a period of 5 years after revision of the plan. If at any time after adoption of a SSMP the affected source ceases operation or is otherwise no longer subject to the provisions of 40 CFR Part 63, the facility



must retain a copy of the most recent plan for 5 years from the date the source ceases operation or is no longer subject to Part 63 and make the plan available upon request for inspection and copying by the Administrator. The Administrator may at any time request in writing that the owner or operator submit a copy of any SSMP (or a portion thereof) in its possession or which is maintained at the affected source. Upon receipt of such a request, the facility must promptly submit a copy of the requested plan (or a portion thereof) to the Administrator. The facility may elect to submit the required copy in an electronic format. If the facility claims that any portion of such a SSMP is confidential business information entitled to protection from disclosure under section 114(c) of the Act or 40 CFR 2.301, the material which is claimed as confidential must be clearly designated in the submission.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 43: Compliance Certification

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.7192, Subpart BBBBB

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For Emission Unit U-20000, Processes N01, N04, N05, and N06, the facility must maintain files of all information (including all reports and notifications) in a form suitable and readily available for expeditious review. Each record shall be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records shall be kept on site for at least 2 years, according to §63.10(b)(1), and can be kept offsite for the remaining 3 years.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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Condition 44: Compliance Certification

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.7193, Subpart BBBBB

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of affected sources subject to 40 CFR 63 Subpart BBBBB must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 2 of Subpart BBBBB. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

The owner or operator of an applicable source using a control device to comply with the emission standard shall develop and implement a written startup, shutdown and malfunction (SSM) plan that describes in detail procedures for operating and maintaining the source during periods of SSM and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. Consult 40 CFR 63.6(e)(3) (i through viii) for specific requirements regarding SSM plans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 45: Compliance Certification

Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.7184(b), Subpart BBBBB

Item 45.1:

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The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Process: N04

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each organic HAP process vent, other than process vents from storage tanks, the facility must limit organic HAP emissions to the level specified in paragraph (b)(1) or (2) of this section. These limitations can be met by venting emissions from the process vent through a closed vent system to any combination of control devices meeting the requirements of §63.982(a)(2).

(1) Reduce the emissions of organic HAP from the process vent stream by 98 percent by weight.

(2) Reduce or maintain the concentration of emitted organic HAP from the process vent to less than or equal to 20 parts per million by volume (ppmv).

In accordance with subdivision 63.7187 (b), the facility may demonstrate that uncontrolled vent streams with an organic HAP concentration of 20 ppmv or less are compliant by engineering assessments and calculations or by conducting the applicable performance test requirements specified in Subpart BBBBBB Table 1. Engineering assessments and calculations and performance tests must represent maximum operating conditions or HAP emissions potential and must be approved by the Administrator. The facility will demonstrate continuous compliance by certifying that operations will not exceed the maximum operating conditions or HAP emissions potential represented by engineering assessments, calculations, or performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 46: Compliance Certification

Effective between the dates of 04/08/2013 and 04/07/2018



Applicable Federal Requirement:40CFR 63.7184(c), Subpart BBBBB

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020
Process: N05

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

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each inorganic HAP process vent, other than process vents from storage tanks, the facility must limit inorganic HAP emissions to the level specified in paragraph (c)(1) or (2) of this section. These limitations can be met by venting emissions from the process vent through a closed vent system to a halogen scrubber meeting the requirements of §63.983 (closed vent system requirements) and §63.994 (halogen scrubber requirements); the applicable general monitoring requirements of §63.996; the applicable performance test requirements; and the monitoring, recordkeeping and reporting requirements referenced therein.

(1) Reduce the emissions of inorganic HAP from the process vent stream by 95 percent by weight.

(2) Reduce or maintain the concentration of emitted inorganic HAP from the process vent to less than or equal to 0.42 ppmv.

In accordance with subdivision 63.7187 (b), the facility may demonstrate that uncontrolled process vent streams with an inorganic HAP concentration of 0.42 ppmv or less are compliant by engineering assessments and calculations or by conducting the applicable performance test requirements specified in Subpart BBBBB Table 1. Engineering assessments and calculations and performance tests must represent maximum operating conditions or HAP emissions potential and must be approved by the Administrator. the facility will demonstrate continuous compliance by certifying that operations will not exceed the maximum operating conditions or HAP emissions potential represented by engineering assessments, calculations, or performance test.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2013.

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

Condition 47: Compliance Certification
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable Federal Requirement:40CFR 63.7184(f), Subpart BBBBB

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00020

Process: N06

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each combined HAP process vent, other than process vents from storage tanks, the facility must reduce or maintain the concentration of emitted HAP from the process vent to less than or equal to 14.22 ppmv. These limitations can be met by venting emissions from process vents through a closed vent system to any combination of control devices meeting the requirements of §63.982(a)(2).

The facility may demonstrate that uncontrolled process vent streams with a combined HAP concentration of 14.22 ppmv or less are compliant by engineering assessments and calculations or by conducting the applicable performance test requirements specified in Subpart BBBBB Table 1. Engineering assessments and calculations and performance tests must represent maximum operating conditions or HAP emissions potential and must be approved by the Administrator. The facility will demonstrate continuous compliance by certifying that operations will not exceed the maximum operating conditions or HAP emissions potential represented by engineering assessments, calculations, or performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



Reports due 30 days after the reporting period.
The initial report is due 7/30/2013.
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 48: Contaminant List
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable State Requirement:ECL 19-0301

Item 48.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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



CAS No: 0NY998-00-0

Name: VOC

Condition 49: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable State Requirement:6 NYCRR 201-1.4

Item 49.1:

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

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

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

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

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 50: Emissions from new emission sources and/or modifications
Effective between the dates of 04/08/2013 and 04/07/2018

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 50.1:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as

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determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

**Condition 51: Less restrictive permissible emission rate possible if
BACT applied
Effective between the dates of 04/08/2013 and 04/07/2018**

Applicable State Requirement:6 NYCRR 212.5 (d)

Item 51.1:

Where a source owner can demonstrate to the satisfaction of the commissioner that he will apply best available control technology, the commissioner may specify a less restrictive permissible emission rate, emission standard or degree of air cleaning for such source than required under this Part provided that the less restrictive requirement is equivalent to that which can be achieved through th



e application of best available control technology