



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 1-4722-00243/00027
Effective Date: 10/06/2014 Expiration Date: 10/05/2024

Permit Issued To: STATE UNIVERSITY OF NEW YORK
STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246

Contact: STATE UNIVERSITY OF NEW YORK
STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246
(518) 443-5355

Facility: SUNY AT STONY BROOK
NICOLLS RD - WEST SIDE
STONY BROOK, NY 11794

Contact: CLIFFORD KNEE
ENVIRONMENTAL HEALTH & SAFETY
110 SUFFOLK HALL - SUNY
STONY BROOK, NY 11794-6200
(631) 632-6410

Description:

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: SUSAN ACKERMAN
NYSDEC - REGION 1 SUNY @ STONY BROOK
50 CIRCLE RD
STONY BROOK, NY 11790-3409

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
- Applications for permit renewals, modifications and transfers
- Permit modifications, suspensions or revocations by the Department

Facility Level

- Submission of application for permit modification or renewal -
REGION 1 HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 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 1 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Applications for permit modification or renewal are to be submitted to:

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

New York State Department of Environmental Conservation

Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: I3 ELECTRONICS INC
1093 CLARK ST
ENDICOTT, NY 13760

Facility: I3 ELECTRONICS, INC.
1093 CLARK ST
ENDICOTT, NY 13760

Authorized Activity By Standard Industrial Classification Code:
3579 - OFFICE MACHINES, NEC
3672 - PRINTED CIRCUIT BOARDS

Permit Effective Date: 10/06/2014

Permit Expiration Date: 10/05/2019



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
 - 2 6 NYCRR 201-6.4 (a) (7): Fees
 - 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
 - 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
 - 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
 - 6 6 NYCRR 201-6.4 (e): Compliance Certification
 - 7 6 NYCRR 202-2.1: Compliance Certification
 - 8 6 NYCRR 202-2.5: Recordkeeping requirements
 - 9 6 NYCRR 215.2: Open Fires - Prohibitions
 - 10 6 NYCRR 200.7: Maintenance of Equipment
 - 11 6 NYCRR 201-1.7: Recycling and Salvage
 - 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
 - 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
 - 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
 - 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
 - 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
 - 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
 - 18 6 NYCRR 202-1.1: Required Emissions Tests
 - 19 6 NYCRR 202-1.1: Required Emissions Tests
 - 20 40 CFR Part 68: Accidental release provisions.
 - 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
 - 22 6 NYCRR 200.7: Compliance Certification
 - 23 6 NYCRR Subpart 201-6: Emission Unit Definition
 - 24 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
 - 25 6 NYCRR 211.1: Air pollution prohibited
 - 26 6 NYCRR 212.4 (a): Compliance Certification
 - 27 6 NYCRR 212.4 (a): Compliance Certification
 - 28 6 NYCRR 212.4 (c): Compliance Certification
 - 29 6 NYCRR 212.6 (a): Compliance Certification
 - 30 6 NYCRR 226.2: Compliance Certification
 - 31 6 NYCRR 229.3 (e) (2) (v): Compliance Certification
- #### Emission Unit Level
- 32 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 33 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=B-25900

- 34 6 NYCRR 228-1.10: Compliance Certification
- 35 40CFR 63.4341(a), Subpart OOOO: Compliance Certification

EU=B-25900,Proc=2TO

- 36 40CFR 63.4290, Subpart OOOO: Compliance Certification
- 37 40CFR 63.4291(a), Subpart OOOO: Compliance Certification
- 38 40CFR 63.4292(b), Subpart OOOO: Compliance Certification



- 39 40CFR 63.4293(b), Subpart OOOO: Compliance Certification
- 40 40CFR 63.4311(a), Subpart OOOO: Compliance Certification
- 41 40CFR 63.4311(c), Subpart OOOO: Compliance Certification
- 42 40CFR 63.4342, Subpart OOOO: Compliance Certification
- 43 40CFR 63.4351, Subpart OOOO: Compliance Certification
- 44 40CFR 63.4352, Subpart OOOO: Compliance Certification
- 45 40CFR 63.4360, Subpart OOOO: Compliance Certification
- 46 40CFR 63.4361, Subpart OOOO: Compliance Certification
- 47 40CFR 63.4364, Subpart OOOO: Compliance Certification

EU=P-WB001,Proc=HOP

- 48 40CFR 63.7540(a), Subpart DDDDD: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 49 ECL 19-0301: Contaminant List
- 50 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 51 6 NYCRR 211.2: Visible Emissions Limited
- 52 6 NYCRR 212.4 (a): Compliance Demonstration
- 53 6 NYCRR 212.4 (a): Compliance Demonstration

Emission Unit Level

EU=A-SSEMB,EP=41192,Proc=F15

- 54 6 NYCRR 212.10 (c): Compliance Demonstration

EU=B-96000,Proc=CAU

- 55 6 NYCRR 211.1: Compliance Demonstration



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 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 10/06/2014 and 10/05/2019

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 10/06/2014 and 10/05/2019

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



Item 3.1:

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 10/06/2014 and 10/05/2019**

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

Item 4.1:

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

**Condition 5: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019**

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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

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

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

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



Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(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 may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

New York State Department of Environmental Conservation

Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032



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 annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 7 Headquarters
615 Erie Boulevard, West
Syracuse, NY 13204-2400

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 1/30/2015.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.



Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements
Effective between the dates of 10/06/2014 and 10/05/2019**

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

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

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

**Condition 9: Open Fires - Prohibitions
Effective between the dates of 10/06/2014 and 10/05/2019**

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous



agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

Condition 10: Maintenance of Equipment
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage



Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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 12: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 10/06/2014 and 10/05/2019

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

Item 13.1:

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 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 10/06/2014 and 10/05/2019

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

Item 14.1:

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 15: Requirement to Provide Information

Effective between the dates of 10/06/2014 and 10/05/2019

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

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for



modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: Right to Inspect
Effective between the dates of 10/06/2014 and 10/05/2019

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: Off Permit Changes
Effective between the dates of 10/06/2014 and 10/05/2019

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

Item 17.1:

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.

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8400 Corporate Dr
Carrollton, Md. 20785

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

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

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

Condition 22: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR 200.7

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:

Section 200.7 requires that any person who owns or operates an air contamination source shall keep the device in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications.

The owner or operator shall operate the control devices in accordance with an operation and maintenance plan that has been approved by the DEC. Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC an updated manual to account for changes to processes or sources, including air pollution control devices, made since the manual was first submitted. If no changes have been made, the owner shall submit to the DEC a letter stating no changes have been made.

On a semi-annual calendar basis, the owner or operator shall submit to the DEC a report stating whether the control devices have been operated and maintained in accordance with the DEC-approved plan. The semi-annual

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report shall include a statement whether pollutants have been handled (i.e., recycled, salvaged, prevented from becoming airborne, and/or disposed) consistent with the operation and maintenance plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 23: Emission Unit Definition
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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

Emission Unit: A-SSEMB

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF
MANUFACTURING OPERATIONS IN B/41 THAT
SUPPORT THE COMPLEX ASSEMBLY OPERATIONS.

Building(s): 41

Item 23.2:

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

Emission Unit: B-25900

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF TWO B/259
SURFACE COATING PROCESSES (TREATER TOWERS)
AND ASSOCIATED CHEMICAL SUPPORT (SUPPLY,
STORAGE, MIXING, GRINDING, CUTTING) FOR
MANUFACTURING OF RESIN IMPREGNATED
FIBERGLASS CLOTH (PREPREG) FABRICATED BY
RUNNING A FIBERGLASS CLOTH WEB INTO AN
EPOXY RESIN/SOLVENT MIXTURE AND THROUGH
OVENS TO CURE THE RESIN. THESE PROCESSES
ARE CONSIDERED SURFACE COATING OPERATIONS
UNDER 6NYCRR PART 228. ADDITIONALLY, TWO
THERMAL OXIDATION SYSTEMS ARE PRESENT AS
AIR CLEANING DEVICES FOR EACH TREATER
TOWER.

Building(s): 259

Item 23.3:

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

Emission Unit: B-96000

Emission Unit Description:



THIS EMISSION UNIT CONSISTS OF THE FACILITY'S B/96 WASTE TREATMENT FACILITY, INCLUDING ALL OF ITS CHEMICAL TREATMENT SYSTEMS AND SUPPORT EQUIPMENT FOR BOTH SITE MANUFACTURING WASTE WATER SYSTEMS.

Building(s): 96

Item 23.4:

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

Emission Unit: P-WB001

Emission Unit Description:

PWB001 consists of process equipment located in Buildings 18, 41, and 47 that supports the manufacture of printed wiring boards (PWBs). These operations include surface preparation, lamination of copper foil, circuitization (including photoresist apply, resist expose, resist develop, metal etching and resist stripping), drilling, hole desmear, hole plating, protective coating sequence (soldermask apply, expose, develop and cure), finish operations, inspection, test, profile and stock.

Building(s): 18
41
47
53

Item 23.5:

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

Emission Unit: R-CABM5

Emission Unit Description:

THIS EMISSION CONSISTS OF PROCESS EQUIPMENT LOCATED IN B/258 THAT SUPPORTS THE MANUFACTURE OF PRINTED CIRCUIT BOARDS (BLUE DEVIL PRODUCT). THESE OPERATIONS INCLUDE SURFACE PREPARATION, LAMINATION OF COPPER FOIL/LAYERS, CIRCUITIZATION (INCLUDING PHOTORESIST APPLY, RESIST EXPOSE, RESIST DEVELOP, METAL ETCHING, AND RESIST STRIPPING), DRILLING, HOLE DESMEAR, HOLE PLATING, PROTECTIVE COATING SEQUENCE (SOLDERMASK APPLY, EXPOSE, DEVELOP AND CURE), AND FINISH OPERATIONS (PAD PLATING VIA TIN/LEAD GOLD, INSPECTION, TEST, PROFILE AND STOCK). THIS EMISSION ALSO CONTAINS FLEX CONNECTOR MANUFACTURING SOURCES OF IBM'S ON-SITE VENDOR INTERNATIONAL FLEX TECHNOLOGY (IFT).

Building(s): 258

Condition 24: Progress Reports Due Semiannually



Effective between the dates of 10/06/2014 and 10/05/2019

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

Item 24.1:

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 25: Air pollution prohibited
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR 211.1

Item 25.1:

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 26: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR 212.4 (a)

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:

Several emission sources at the Facility emit A-rated contaminants, non-A-rated contaminants, pollutants for which no rating has been assigned, or combinations of these contaminants. This condition is applicable to all such devices. This federally-enforceable condition applies only to criteria pollutants.

1. The emission rate potential of any A-rated pollutant shall not exceed 1.0 pound per hour, unless otherwise



allowed in this permit.

2. The emission rate potential of any B rated pollutant, excluding pollutants that are also defined to be volatile organic compounds, shall not exceed 10.0 pounds per hour.

For this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminant that may be A-rated by the Department. All other pollutants are B-rated, unless otherwise rated by the Department.

3. The following shall not have an emissions rate that results in predicted ambient concentrations in excess of the Annual Guideline Concentration or the Short term Guideline Concentration for each contaminant, as determined pursuant to conditions in this permit:

(A) contaminants rated A with an emission rate potential less than one pound per hour,

(B) contaminants rated B with an emission rate potential less than 10 pounds per hour, and

(C) contaminants assigned an Interim AGC or SGC, as identified by the DEC.

Compliance will be determined using a stack emission test, conducted upon request from the DEC, according to methods approved by the DEC, or through the use of engineering calculations.

4. If the emissions source is equipped with an emissions control device, such device must be operated and maintained in a satisfactory state of maintenance and repair.

5. On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment.

The first report shall be due 30 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due January 30.

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 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 27: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

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:

Emissions of A and B - rated contaminants - Ambient
Guideline Concentration Limits

Several emission sources at the Facility emit A-rated contaminants, non-A-rated contaminants, pollutants for which no rating has been assigned, or combinations of these contaminants. This condition is applicable to all such devices. This federally-enforceable condition applies to criteria pollutants.

A facility-wide ambient impact analysis must be completed using DEC approved ambient modeling procedures for all pollutants for which an environmental rating is assigned by the DEC. This analysis must show that there are no predicted off-site ambient concentrations in excess of the Annual Guideline Concentration or Short term Guideline Concentration for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide, so that cumulative impacts are modeled. Within 180 days of the effective date of this permit, the owner or operator must submit to the DEC a modeling protocol for the ambient impact analysis. Within 180 days of DEC's approval of the protocol, the owner or operator shall submit to the DEC a report describing the results of ambient impact analysis.

The owner or operator must not make any changes to the stack characteristics (height or exit velocity) that would alter dispersion characteristics unless approved by the DEC.

On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December



31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment, that could result in increases in predicted emissions. The first report shall be due 30 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due January 30.

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 1/30/2015.

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

Condition 28: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emissions of Solid Particulate Matter

Several devices at the Facility emit solid particulates. This condition is applicable to all such devices.

Solid particulate emissions are governed by 6 NYCRR 212.4(c). No person shall cause or allow emissions of solid particulate in excess of 0.05 grains per dry standard cubic foot.

Compliance will be determined using a stack emission test, conducted upon request from the DEC, according to methods promulgated by EPA or approved by the DEC.

If the emissions source is equipped with an emissions control device, such device must be operated and maintained in a satisfactory state of maintenance and repair. The owner or operator shall inspect, on a weekly basis (or at any other frequency that is consistent with the maintenance plan submitted to the DEC as required



under this permit), the operation of the control devices.

On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of the air pollution control equipment. The first report shall be due 30 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due January 30.

Parameter Monitored: PARTICULATES

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 29: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emissions of Opacity

Several general process sources at the Facility emit particulate and opacity. This condition is applicable to all such devices.

Opacity emissions are governed by 6 NYCRR 212.6(a). No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only for the emission of uncombined water.



Compliance will be determined using EPA Method 9, conducted upon request from the DEC.

If the emissions source is equipped with an emissions control device, such device must be operated and maintained in a satisfactory state of maintenance and repair.

On a calendar quarter basis, the owner or operator shall observe the emissions from the those emission points equipped with an emissions control device while the devices are in operation. The owner or operator shall record the date, the time, the weather conditions (rain, snow, windy, cloudy, clear), and whether there is any visible plume. To the extent possible, the observer shall position him or herself with the sun behind his or her back. The owner shall note whether there is any condensed water droplets. Condensed water droplets can be distinguished from other liquid particulate as the water plume dissipates quickly.

In the event that visible emissions are observed, the owner or operator shall contact the Department by phone as soon as practical, but in no event later than two business days after conducting the observation. Within 30 days, when requested by the Department in writing, the owner or operator must submit to the Department a report describing the emissions.

All records of observations must be maintained at the facility for a period of five years.

A report shall be submitted to the Department semiannually (calendar basis) stating whether the monitoring has been conducted. Reports shall be due 30 days after the end of each semiannual period. The owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment. The first report shall be due 30 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due January 30.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA 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 1/30/2015.



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

Condition 30: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 6 NYCRR 226.2

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A person conducting solvent metal cleaning must:

- (a) 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;
- (b) maintain equipment to minimize leaks and fugitive emissions;
- (c) display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs;
- (d) keep the degreaser cover closed except when parts are being placed into or being removed from the degreaser, the cover needs to be open in order to add or remove solvent from the degreaser, no solvent is in the degreaser, or manually cleaning metal parts in a cold cleaning degreaser;
- (e) create and retain a record of solvent consumption for five years. This record must be made available to the department upon request;
- (f) not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser; and
- (g) if using a cold cleaning degreaser that is subject to section 226.3(a)(4) of this Part, 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:

- (1) the name and address of the solvent supplier;
- (2) the type of solvent including the product or vendor identification number; and
- (3) the vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

On a monthly basis, the owner or operator shall inspect the solvent metal cleaning area for compliance with these operating procedures. The owner or operator shall note in a written log whether the procedures were being followed.

On an annual basis, the owner shall include in the annual certification a statement whether he or she complied with this condition.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 6 NYCRR 229.3 (e) (2) (v)

Item 31.1:
The Compliance Certification activity will be performed for the Facility.

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:

Volatile liquid storage tanks with a capacity less than 10,000 gallons must be equipped with conservation vents. The owner or operator shall maintain a list of all subject tanks, and visually inspect the conservation vent on an annual basis. Inspection records must be maintained on site for a period of five years, and shall contain the dates of all inspections, inspection findings, and a list of all repairs.



On an annual basis, the owner or operator shall submit to the DEC a report stating whether such inspections were conducted, whether there were any defective vents, and whether corrective action was taken.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

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

**Condition 32: Emission Point Definition By Emission Unit
Effective between the dates of 10/06/2014 and 10/05/2019**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 32.1:

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

Emission Unit: A-SSEMB

Emission Point: 41004
Height (ft.): 64 Length (in.): 14 Width (in.): 19
NYTMN (km.): 4662.272 NYTME (km.): 413.141 Building: 41

Emission Point: 41175
Height (ft.): 60 Diameter (in.): 26
NYTMN (km.): 4662.255 NYTME (km.): 413.152 Building: 41

Emission Point: 41192
Height (ft.): 75 Length (in.): 19 Width (in.): 15
NYTMN (km.): 4662.247 NYTME (km.): 413.141 Building: 41

Item 32.2:

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

Emission Unit: B-25900

Emission Point: 25901
Height (ft.): 111 Diameter (in.): 30
NYTMN (km.): 4662.244 NYTME (km.): 413.131 Building: 259

Emission Point: 25902
Height (ft.): 111 Diameter (in.): 30
NYTMN (km.): 4662.24 NYTME (km.): 413.124 Building: 259



Emission Point: 25903
Height (ft.): 38 Length (in.): 60 Width (in.): 48
NYTMN (km.): 4662.24 NYTME (km.): 413.113 Building: 259

Emission Point: 25904
Height (ft.): 38 Diameter (in.): 40
NYTMN (km.): 4662.233 NYTME (km.): 413.103 Building: 259

Emission Point: 25905
Height (ft.): 38 Length (in.): 18 Width (in.): 10
NYTMN (km.): 4662.233 NYTME (km.): 413.092 Building: 259

Item 32.3:

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

Emission Unit: B-96000

Emission Point: 96029
Height (ft.): 40 Diameter (in.): 16
NYTMN (km.): 4662.23 NYTME (km.): 412.961 Building: 96

Emission Point: 9629B
Height (ft.): 40 Length (in.): 16 Width (in.): 8
NYTMN (km.): 4662.226 NYTME (km.): 412.954 Building: 96

Item 32.4:

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

Emission Unit: P-WB001

Emission Point: 18444
Height (ft.): 99 Diameter (in.): 12
NYTMN (km.): 4662.258 NYTME (km.): 412.905 Building: 18

Emission Point: 18659
Height (ft.): 99 Length (in.): 32 Width (in.): 30
NYTMN (km.): 4662.262 NYTME (km.): 412.912 Building: 18

Emission Point: 18681
Height (ft.): 99 Diameter (in.): 22
NYTMN (km.): 4662.262 NYTME (km.): 412.912 Building: 18

Emission Point: 18682
Height (ft.): 99 Diameter (in.): 36
NYTMN (km.): 4662.262 NYTME (km.): 412.912 Building: 18

Emission Point: 18685
Height (ft.): 99 Diameter (in.): 28
NYTMN (km.): 4662.265 NYTME (km.): 412.919 Building: 18

Emission Point: 18695
Height (ft.): 99 Diameter (in.): 24



	NYTMN (km.): 4662.265	NYTME (km.): 412.919	Building: 18
Emission Point:	41153		
Height (ft.):	75	Diameter (in.): 40	
NYTMN (km.):	4661.9	NYTME (km.): 413.6	Building: 41
Emission Point:	41171		
Height (ft.):	67	Length (in.): 36	Width (in.): 24
NYTMN (km.):	4662.283	NYTME (km.): 412.961	Building: 41
Emission Point:	41195		
Height (ft.):	67	Length (in.): 24	Width (in.): 32
NYTMN (km.):	4662.304	NYTME (km.): 413.124	Building: 41
Emission Point:	47174		
Height (ft.):	62	Length (in.): 48	Width (in.): 26
NYTMN (km.):	4662.283	NYTME (km.): 412.965	Building: 47
Emission Point:	47187		
Height (ft.):	92	Length (in.): 26	Width (in.): 26
NYTMN (km.):	4662.283	NYTME (km.): 412.969	Building: 47
Emission Point:	47188		
Height (ft.):	93	Length (in.): 22	Width (in.): 22
NYTMN (km.):	4662.279	NYTME (km.): 412.972	Building: 47
Emission Point:	47194		
Height (ft.):	100	Length (in.): 22	Width (in.): 24
NYTMN (km.):	4662.283	NYTME (km.): 412.979	Building: 47
Emission Point:	47200		
Height (ft.):	87	Diameter (in.): 23	
NYTMN (km.):	4662.283	NYTME (km.): 412.976	Building: 47
Emission Point:	47204		
Height (ft.):	107	Diameter (in.): 42	
NYTMN (km.):	4662.286	NYTME (km.): 412.983	Building: 47
Emission Point:	47205		
Height (ft.):	87	Diameter (in.): 32	
NYTMN (km.):	4662.286	NYTME (km.): 412.986	Building: 47
Emission Point:	47218		
Height (ft.):	90	Length (in.): 18	Width (in.): 24
NYTMN (km.):	4662.118	NYTME (km.): 413.021	
Emission Point:	47230		
Height (ft.):	92	Length (in.): 30	Width (in.): 24
NYTMN (km.):	4662.283	NYTME (km.): 412.993	Building: 47
Emission Point:	47231		
Height (ft.):	76	Diameter (in.): 14	



NYTMN (km.): 4662.283 NYTME (km.): 412.997 Building: 47

Emission Point: 47234
Height (ft.): 92 Length (in.): 22 Width (in.): 22
NYTMN (km.): 4662.283 NYTME (km.): 413. Building: 47

Emission Point: 47242
Height (ft.): 91 Diameter (in.): 12
NYTMN (km.): 4662.279 NYTME (km.): 413.004 Building: 47

Emission Point: 47246
Height (ft.): 76 Length (in.): 22 Width (in.): 16
NYTMN (km.): 4662.279 NYTME (km.): 413.007 Building: 47

Emission Point: 47V01
Height (ft.): 77 Diameter (in.): 18
NYTMN (km.): 4662.283 NYTME (km.): 412.965 Building: 47

Emission Point: 47V02
Height (ft.): 77 Diameter (in.): 18
NYTMN (km.): 4662.283 NYTME (km.): 412.965 Building: 47

Item 32.5:

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

Emission Unit: R-CABM5

Emission Point: 25801
Height (ft.): 125 Diameter (in.): 66
NYTMN (km.): 4662.279 NYTME (km.): 413.014 Building: 258

Emission Point: 25802
Height (ft.): 120 Diameter (in.): 60
NYTMN (km.): 4662.279 NYTME (km.): 413.018 Building: 258

Emission Point: 25805
Height (ft.): 120 Diameter (in.): 43
NYTMN (km.): 4662.283 NYTME (km.): 413.018 Building: 258

Emission Point: 25807
Height (ft.): 120 Diameter (in.): 34
NYTMN (km.): 4662.283 NYTME (km.): 413.018 Building: 258

Emission Point: 25810
Height (ft.): 115 Diameter (in.): 20
NYTMN (km.): 4662.279 NYTME (km.): 413.018 Building: 258

Condition 33: Process Definition By Emission Unit
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6



Item 33.1:

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

Emission Unit: A-SSEMB
Process: CB1 Source Classification Code: 3-13-065-99
Process Description:
Complex assembly operations. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: CB102 - Process

Emission Source/Control: CB104 - Process

Emission Source/Control: CB200 - Process

Item 33.2:

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

Emission Unit: A-SSEMB
Process: CE1 Source Classification Code: 3-13-065-99
Process Description:
Complex assembly operations. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: CE107 - Process

Emission Source/Control: CE200 - Process

Emission Source/Control: CE201 - Process

Item 33.3:

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

Emission Unit: A-SSEMB
Process: F15 Source Classification Code: 3-13-065-00
Process Description:
B/41 ASSEMBLY WAVE SOLDER PROCESS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: BV01K - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: F159A - Process



Emission Source/Control: F159B - Process

Item 33.4:

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

Emission Unit: B-25900

Process: 006

Source Classification Code: 3-13-065-99

Process Description:

B/259 TREATER TOWER SLITTER/SHEETER OPERATIONS; PUNCHES AND OVENS WITH ASSOCIATED DUST COLLECTORS. THE EMISSION SOURCES IN THIS EMISSION UNIT ASSOCIATED WITH THIS PROCESS EMIT SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: DC003 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 13383 - Process

Emission Source/Control: 13853 - Process

Emission Source/Control: 23343 - Process

Item 33.5:

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

Emission Unit: B-25900

Process: 1CC

Source Classification Code: 4-02-030-01

Process Description:

PROCESS NAME: TREATER TOWER #1 USING A COATING THAT IS COMPLIANT WITH PART 228, AND DOES NOT HAVE AN A RATING PER 212. THIS PROCESS INVOLVES THE FABRICATION OF PREPREG IN A FABRIC COATING LINE. FOR PROCESS 1CC, THE SOLVENT SYSTEM DOES NOT CONTAIN MORE THAN 2.9 LBS OF VOC PER GALLON (MINUS WATER AND EXCLUDED VOC, SUCH AS ACETONE) OF COATING AT APPLICATION. MATERIAL THRUPUT IS NOT REGULATED FOR ANY MATERIALS INVOLVED IN THIS PROCESS. IF THRUPUT DATA IS REQUIRED FOR EMISSIONS ESTIMATING PURPOSES IT IS PROVIDED IN THE CALCULATION SECTION OF THE SUPPORTING DOCUMENTATION.

THIS PROCESS MAY BE ROUTED THROUGH EITHER OXIDIZER 3 1 OR OXIDIZER 3 2 VIA MOVEMENT OF EXHAUST DAMPERS. ONLY ONE TREATMENT TOWER WILL BE IN OPERATION AT ANY ONE TIME ON A SINGLE OXIDATION SYSTEM.

Emission Source/Control: 07533 - Control



Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 07534 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 13379 - Process

Item 33.6:

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

Emission Unit: B-25900
Process: INC Source Classification Code: 4-02-030-01
Process Description:

B/259 TREATER TOWER #1 (PREPREG
MANUFACTURING PROCESS SUBJECT TO 6NYCRR
PART 228 SURFACE COATING OPERATION WITH
ASSOCIATED THERMAL OXIDIZER #1. THE
EMISSION SOURCES ASSOCIATED WITH THIS
PROCESS EMIT B-RATED POLLUTANTS SUBJECT TO
VOC RACT.

THIS PROCESS MAY BE ROUTED THROUGH EITHER
OXIDIZER 3 1 OR OXIDIZER 3 2 VIA MOVEMENT
OF EXHAUST DAMPERS. ONLY ONE TREATMENT
TOWER WILL BE IN OPERATION AT ANY ONE TIME
ON A SINGLE OXIDATION SYSTEM.

THE SOURCES ASSOCIATED WITH THIS PROCESS
ARE SUBJECT TO EPA'S CAM RULE.

Emission Source/Control: 07533 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 07534 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 13379 - Process

Item 33.7:

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

Emission Unit: B-25900
Process: 2CC Source Classification Code: 4-02-030-01
Process Description:

PROCESS NAME: TREATER TOWER #2 USING A
COATING THAT IS COMPLIANT WITH PART 228,
AND DOES NOT HAVE AN A RATING PER 212. THIS
PROCESS INVOLVES THE FABRICATION OF PREPREG
IN A FABRIC COATING LINE. FOR PROCESS 2CC,
THE SOLVENT SYSTEM DOES NOT CONTAIN MORE
THAN 2.9 LBS OF VOC PER GALLON (MINUS



WATER AND EXCLUDED VOC, SUCH AS ACETONE) OF COATING AT APPLICATION. MATERIAL THRUPT IS NOT REGULATED FOR ANY MATERIALS INVOLVED IN THIS PROCESS. IF THRUPT DATA IS REQUIRED FOR EMISSIONS ESTIMATING PURPOSES IT IS PROVID

Emission Source/Control: 07534 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 13380 - Process

Item 33.8:

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

Emission Unit: B-25900
Process: 2NC Source Classification Code: 4-02-030-01

Process Description:
B/259 TREATER TOWER #2 (PREPREG MANUFACTURING PROCESS SUBJECT TO 6NYCRR PART 228 SURFACE COATING OPERATION) WITH ASSOICATED THERMAL OXIDIZER #2. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS SUBJECT TO VOC RACT.

THE TREATER TOWER IS SUBJECT TO EPA'S CAM RULE.

Emission Source/Control: 07534 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 13380 - Process

Item 33.9:

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

Emission Unit: B-25900
Process: 2TO Source Classification Code: 4-02-030-01

Process Description:
B/259 TREATER TOWER #2 PRE-PREG MANUFACTURING PROCESS UTILIZING A HAZARDOUS AIR POLLUTANT AS THE SOLVENT, SUBJECT TO 40 CFR 63 SUBPART OOOO, FABRIC COATING.

Emission Source/Control: 07534 - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: 13380 - Process

Emission Source/Control: SOAK1 - Process



Item 33.10:

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

Emission Unit: B-96000
Process: CAU Source Classification Code: 3-13-065-99
Process Description:
Leachate storage and treatment in Bio Reactor #1. The exhaust from Bio 1 is routed through the VARA CAU, control source CA029, and exhausted out EP 96029.

Emission Source/Control: CA029 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 02350 - Process

Emission Source/Control: MT481 - Process

Item 33.11:

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

Emission Unit: P-WB001
Process: AI1 Source Classification Code: 3-13-065-99
Process Description:
B/18 DEVELOP, ETCH AND STRIP (DES) OPERATIONS INCLUDING FOUR MANUFACTURING LINES (D320 DES LINE, NORTH DES, SOUTH DES AND FINELINE DES) -EXHAUSTS ONLY DEVELOP AND STRIP SECTIONS OF EACH PROCESS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: AI101 - Process

Emission Source/Control: AI102 - Process

Emission Source/Control: AI103 - Process

Emission Source/Control: AI104 - Process

Emission Source/Control: AI105 - Process

Emission Source/Control: AI107 - Process

Emission Source/Control: AI108 - Process

Emission Source/Control: AI110 - Process

Item 33.12:

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



Emission Unit: P-WB001
Process: AJ1 Source Classification Code: 3-13-065-99
Process Description:
B/18 COPPER FOIL LAMINATION PROCESSES AND ASSOCIATED PRECLEAN PROCESSES. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

- Emission Source/Control: AJ101 - Process
- Emission Source/Control: AJ103 - Process
- Emission Source/Control: AJ104 - Process
- Emission Source/Control: AJ107 - Process
- Emission Source/Control: AJ108 - Process

Item 33.13:

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

Emission Unit: P-WB001
Process: AN1 Source Classification Code: 3-13-065-99
Process Description:
B/18 DES LINES (ETCHING SECTIONS ONLY), PLATERS AND ASSOCIATED AIR ABATEMENT (SCRUBBER) INCLUDES FIVE DES LINE ETCHERS (D320 DES, NORTH DES, SOUTH DES, FINELINE DES AND ACL DES), CHEM POLISH, FLUID HEAD ETCHER, THIN PANEL PLATER, AND DEBURR/DESMEAR PROCESSES. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 1.0 POUND/HR, B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT TO PART 212).

- Emission Source/Control: ANO1S - Control
Control Type: WET SCRUBBER
- Emission Source/Control: AN101 - Process
- Emission Source/Control: AN104 - Process
- Emission Source/Control: AN105 - Process
- Emission Source/Control: AN106 - Process
- Emission Source/Control: AN107 - Process



Emission Source/Control: AN108 - Process

Emission Source/Control: AN113 - Process

Emission Source/Control: AN150 - Process

Item 33.14:

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

Emission Unit: P-WB001
Process: AO1 Source Classification Code: 3-13-065-99
Process Description:

B/47 BAKER WET LINE #4 LAMINATIONS
PROCESS WHERE METAL COLLOID IS DEPOSITED ON
SURFACE OF PANEL MATERIAL. B/47 SOLVENT
PLATE CLEAN HOOD TO REMOVE EPOXY
LAMINATIONS. THE EMISSION SOURCES
ASSOCIATED WITH THIS PROCESS EMIT B-RATED
POLLUTANTS AT AN EMISSION RATE POTENTIAL
LESS THAN 10 POUNDS/HR.

Emission Source/Control: AO102 - Process

Emission Source/Control: AO103 - Process

Item 33.15:

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

Emission Unit: P-WB001
Process: AQ1 Source Classification Code: 3-13-065-99
Process Description:

B147 Baker Wet Line #4 lamination process
where metal colloid is deposited on surface
of paint material. THE EMISSION SOURCES
ASSOCIATED WITH THIS PROCESS EMIT B-RATED
POLLUTANTS AT AN EMISSION RATE POTENTIAL
LESS THAN 10 POUNDS/HR.

Emission Source/Control: AQ101 - Process

Item 33.16:

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

Emission Unit: P-WB001
Process: AR1 Source Classification Code: 3-13-065-99
Process Description:

B/47 BAKER WET LINE #5 LAMINATIONS
PROCESS. THE EMISSION SOURCES ASSOCIATED
WITH THIS PROCESS EMIT B-RATED POLLUTANTS
AT AN EMISSION RATE POTENTIAL LESS THAN 10
POUNDS/HR.



Emission Source/Control: AR101 - Process

Item 33.17:

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

Emission Unit: P-WB001
Process: AW1 Source Classification Code: 3-13-065-99
Process Description:
B/47 HOLE PUNCHES / PRESSES AND ASSOCIATED
DUST COLLECTOR. THE EMISSION SOURCES
ASSOCIATED WITH THIS PROCESS EMIT SOLID
PARTICULATES (SUBJECT TO PART 212). THE
EMISSION SOURCES ASSOCIATED WITH THIS
PROCESS EMIT B-RATED POLLUTANTS AT AN
EMISSION RATE POTENTIAL LESS THAN 10
POUNDS/HR AND SOLID PARTICULATES (SUBJECT
TO PART 212).

Emission Source/Control: AW01S - Control
Control Type: FABRIC FILTER

Emission Source/Control: AW102 - Control
Control Type: WET SCRUBBER

Emission Source/Control: AW101 - Process

Emission Source/Control: AW103 - Process

Emission Source/Control: AW104 - Process

Emission Source/Control: AW105 - Process

Emission Source/Control: AW106 - Process

Item 33.18:

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

Emission Unit: P-WB001
Process: AX1 Source Classification Code: 3-13-065-99
Process Description:
B/47 CHORITE/ BOND FILM LINES #1 AND #2
(LAMINATIONS & SURFACE PREP PROCESSES) -
INCLUDING AIR ABATEMENT SYSTEM (SCRUBBER).

Emission Source/Control: AZO1S - Control
Control Type: WET SCRUBBER

Emission Source/Control: AX102 - Process

Emission Source/Control: AX103 - Process

Emission Source/Control: AX109 - Process



Item 33.19:

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

Emission Unit: P-WB001
Process: AZ1 Source Classification Code: 3-13-065-99

Process Description:

B/47 ELECTROLESS GOLD PLATING LINE WITH ASSOCIATED AIR ABATEMENT SYSTEM (SCRUBBER). THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 1.0 POUND/HR, B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: AZO1S - Control
Control Type: WET SCRUBBER

Emission Source/Control: AZ101 - Process

Item 33.20:

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

Emission Unit: P-WB001
Process: BF1 Source Classification Code: 3-13-065-99

Process Description:

B/47 SOLDERMASK COATING OPERATIONS AND LAMINATORS (INCLUDING SUPPORT OVENS AND HOODS). THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: BF107 - Process

Emission Source/Control: BF108 - Process

Emission Source/Control: BF109 - Process

Emission Source/Control: BF110 - Process

Emission Source/Control: BF112 - Process

Emission Source/Control: BF113 - Process

Emission Source/Control: BF114 - Process

Item 33.21:

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

Emission Unit: P-WB001



Process: BG1 Source Classification Code: 3-13-065-99

Process Description:
B/47 AMMONIA ETCH LINE, AQUEOUS DEVELOPER;
AND PRECLEAN. THE EMISSION SOURCES
ASSOCIATED WITH THIS PROCESS EMIT B-RATED
POLLUTANTS AT AN EMISSION RATE POTENTIAL
LESS THAN 10 POUNDS/HR.

Emission Source/Control: BG105 - Process

Emission Source/Control: BG108 - Process

Item 33.22:

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

Emission Unit: P-WB001
Process: BH1 Source Classification Code: 3-13-065-99

Process Description:
B/47 PLASMA ETCHERS #1 AND #2. THE
EMISSION SOURCES ASSOCIATED WITH THIS
PROCESS EMIT B-RATED POLLUTANTS AT AN
EMISSION RATE POTENTIAL LESS THAN 10
POUNDS/HR.

Emission Source/Control: BH101 - Process

Emission Source/Control: BH102 - Process

Item 33.23:

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

Emission Unit: P-WB001
Process: BII Source Classification Code: 3-13-065-99

Process Description:
B/47 HOLE DRILL OPERATIONS AND ASSOCIATED
DUST COLLECTOR. THE EMISSION SOURCES
ASSOCIATED WITH THIS PROCESS EMIT SOLID
PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: BI01B - Control
Control Type: FABRIC FILTER

Emission Source/Control: BII13 - Process

Emission Source/Control: BII14 - Process

Emission Source/Control: BII15 - Process

Item 33.24:

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

Emission Unit: P-WB001



Process: BR1 Source Classification Code: 3-13-065-00

Process Description:

PROCESS NAME: EMISSION POINT 18686 -
EMISSION POINT 18686 EXHAUSTS A VARIETY OF
EXEMPT, TRIVIAL, AND INSIGNIFICANT EMISSION
SOURCES. THIS PROCESS APPLIES TO THE
INSIGNIFICANT EMISSION SOURCES. ADDITIONAL
INFORMATION ABOUT THIS PROCESS IS NOT
REQUIRED IN THIS APPLICATION. THE
SUPPORTING DOCUMENTATION PROVIDES MORE
DETAILS ON THE BASIS FOR THE EMISSION
ESTIMATE.

Emission Source/Control: BR101 - Process

Item 33.25:

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

Emission Unit: P-WB001
Process: CA1 Source Classification Code: 3-13-065-00
Process Description: B/41 SOLDER REFLOW OVENS AND HOOD.

Emission Source/Control: CA104 - Process

Emission Source/Control: CA105 - Process

Emission Source/Control: CA109 - Process

Emission Source/Control: CA120 - Process

Item 33.26:

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

Emission Unit: P-WB001
Process: CH1 Source Classification Code: 3-13-065-99
Process Description:

B/41 GOLD LINE (LAMINATIONS, PLATING,
DEVELOP, STRIP) OPERATIONS. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS EMIT
A-RATED POLLUTANTS AT AN EMISSION RATE
POTENTIAL LESS THAN 1.0 POUND/HR AND
B-RATED POLLUTANTS AT AN EMISSION RATE
POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: CH103 - Process

Emission Source/Control: CH104 - Process

Emission Source/Control: CH105 - Process

Item 33.27:

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



Emission Unit: P-WB001
Process: CN1 Source Classification Code: 3-13-065-99
Process Description:
B/47 SOLDERMASK CURE OPERATIONS INCLUDING ASSOCIATED OVENS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 1.0 POUND/HR AND B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR (SUBJECT TO PART 212).

Emission Source/Control: CN101 - Process
Emission Source/Control: CN102 - Process
Emission Source/Control: CN103 - Process

Item 33.28:

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

Emission Unit: P-WB001
Process: CO1 Source Classification Code: 3-13-065-99
Process Description:
B/47 SOLDERMASK APPLY/SCREEN OPERATIONS INCLUDING AUTOSCREEN COATER #1, DIAZO DEVELOPER, SOLDERMASK CURE/DRY OPERATIONS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 1.0 POUND/HR AND B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR (SUBJECT TO PART 212).

Emission Source/Control: CO102 - Process
Emission Source/Control: CO106 - Process
Emission Source/Control: CO111 - Process
Emission Source/Control: CO114 - Process
Emission Source/Control: CO115 - Process
Emission Source/Control: CO117 - Process

Item 33.29:

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

Emission Unit: P-WB001
Process: CP1 Source Classification Code: 3-13-065-99

New York State Department of Environmental Conservation

Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032



Process Description:

B/47 ENTEK SURFACE OXIDATION REMOVAL LINES # 1 AND #2 WITH ASSOCIATED SUPPORT SYSTEMS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: CP102 - Process

Emission Source/Control: CP104 - Process

Emission Source/Control: CP150 - Process

Emission Source/Control: CP160 - Process

Item 33.30:

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

Emission Unit: P-WB001

Process: CR1

Source Classification Code: 3-13-065-99

Process Description:

B/47 PROTECTIVE COATING APPLICATION PROCESS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: CR104 - Process

Item 33.31:

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

Emission Unit: P-WB001

Process: CT1

Source Classification Code: 3-13-065-99

Process Description:

B/47 SOLDERMASK APPLY/SCREEN OPERATIONS INCLUDING FOUR SCREEN PRINTERS, SUPPORT HOODS, OVENS AND DEVELOPER. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: CT108 - Process

Emission Source/Control: CT109 - Process

Emission Source/Control: CT110 - Process

Emission Source/Control: CT112 - Process



Emission Source/Control: CT125 - Process

Emission Source/Control: CT127 - Process

Emission Source/Control: CT128 - Process

Emission Source/Control: CT140 - Process

Item 33.32:

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

Emission Unit: P-WB001

Process: GX1

Source Classification Code: 3-13-065-99

Process Description:

Complex assembly operations in Building 41, including
heller ovens, SRT rework tools, step ionograph and ovens.

Emission Source/Control: GX101 - Process

Emission Source/Control: GX102 - Process

Emission Source/Control: GX104 - Process

Emission Source/Control: GX105 - Process

Emission Source/Control: GX106 - Process

Emission Source/Control: GX107 - Process

Emission Source/Control: GX108 - Process

Emission Source/Control: GX109 - Process

Emission Source/Control: GX110 - Process

Item 33.33:

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

Emission Unit: P-WB001

Process: GZ1

Source Classification Code: 3-13-065-99

Process Description:

ICAS operations in building 41, including reflow ovens,
bake ovens, ionography, plasma etch and wash tool.

Emission Source/Control: GZ102 - Process

Emission Source/Control: GZ103 - Process

Emission Source/Control: GZ104 - Process

Emission Source/Control: GZ105 - Process



- Emission Source/Control: GZ106 - Process
- Emission Source/Control: GZ107 - Process
- Emission Source/Control: GZ108 - Process
- Emission Source/Control: GZ109 - Process
- Emission Source/Control: GZ110 - Process
- Emission Source/Control: GZ111 - Process
- Emission Source/Control: GZ112 - Process
- Emission Source/Control: GZ114 - Process
- Emission Source/Control: GZ115 - Process
- Emission Source/Control: GZ116 - Process
- Emission Source/Control: GZ117 - Process
- Emission Source/Control: GZ118 - Process
- Emission Source/Control: GZ119 - Process

Item 33.34:

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

Emission Unit: P-WB001
Process: HOP Source Classification Code: 3-13-065-00
Process Description: Hot Oil Press

Emission Source/Control: PRES1 - Process
Design Capacity: 5 million Btu per hour

Emission Source/Control: PRES2 - Process
Design Capacity: 5 million Btu per hour

Item 33.35:

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

Emission Unit: P-WB001
Process: HP1 Source Classification Code: 3-13-065-99
Process Description:

B/18 HORIZONTAL DESMEAR AND ELECTROLESS
COPPER PLATER WITH ASSOCIATED AIR ABATEMENT
SYSTEM (SCRUBBER). THE EMISSION SOURCES
ASSOCIATED WITH THIS PROCESS EMIT A-RATED
POLLUTANTS AT AN EMISSION RATE POTENTIAL
LESS THAN 1.0 POUND/HR AND B-RATED
POLLUTANTS AT AN EMISSION RATE POTENTIAL



LESS THAN 10 POUNDS/HR AND SOLID
PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: HP01S - Control
Control Type: WET SCRUBBER

Emission Source/Control: HP101 - Process

Item 33.36:

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

Emission Unit: P-WB001
Process: JD1 Source Classification Code: 3-13-065-00
Process Description:
B/18 Somar Resist Laminator. This process emits B rated
pollutants at an emission rate potential less than 10
pounds per hour.

Emission Source/Control: JD101 - Process

Emission Source/Control: JD102 - Process

Emission Source/Control: JD103 - Process

Item 33.37:

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

Emission Unit: P-WB001
Process: SD1 Source Classification Code: 3-13-065-99
Process Description:
B/18 DEBURR MACHINE AND WASTE TANK. THE
EMISSION SOURCES ASSOCIATED WITH THIS
PROCESS EMIT B-RATED POLLUTANTS AT AN
EMISSION RATE POTENTIAL LESS THAN 10
POUNDS/HR.

Emission Source/Control: SD104 - Process

Item 33.38:

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

Emission Unit: P-WB001
Process: SE1 Source Classification Code: 3-13-065-99
Process Description:
SESE operations in Building 41, including resist strip
operations, etch operations, solder strip operations, and
associated fume scrubber, emission point ID 47204

Emission Source/Control: AZO1S - Control
Control Type: WET SCRUBBER

Emission Source/Control: SE101 - Process



Emission Source/Control: SE102 - Process

Emission Source/Control: SE103 - Process

Item 33.39:

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

Emission Unit: P-WB001

Process: VP1

Source Classification Code: 3-13-065-99

Process Description:

B/18 VERTICAL ACID COPPER PLATER AND ASSOCIATED AIR ABATEMENT SYSTEM (SCRUBBER). THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 1.0 POUND/HR, B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: VP01S - Control

Control Type: WET SCRUBBER

Emission Source/Control: VP101 - Process

Item 33.40:

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

Emission Unit: R-CABM5

Process: AA1

Source Classification Code: 3-13-065-99

Process Description:

B/258 CUPRIC ETCH SUPPORT, LAMINATORS, LAMINATIONS PRESSES, FUME HOODS AND OVENS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: AA104 - Process

Emission Source/Control: AA112 - Process

Emission Source/Control: AA114 - Process

Emission Source/Control: AA118 - Process

Emission Source/Control: AA123 - Process

Emission Source/Control: AA151 - Process



Emission Source/Control: AA152 - Process

Emission Source/Control: AA153 - Process

Emission Source/Control: AA198 - Process

Item 33.41:

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

Emission Unit: R-CABM5

Process: AA3

Source Classification Code: 3-13-065-99

Process Description:

B/258 ELECTRO DEPOSITED (ED) RESIST COATER OVENS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: AA301 - Process

Emission Source/Control: AA304 - Process

Emission Source/Control: AA305 - Process

Item 33.42:

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

Emission Unit: R-CABM5

Process: AB1

Source Classification Code: 3-13-065-99

Process Description:

B/258 HYPER BGA CIRCUIT BOARD MANUFACTURING PROCESSES, INCLUDING ACID COPPER ELECTROPLATE, PRECLEAN, CUPRIC ETCH, ED RESIST DEVELOP, CHROME LINE, PHOTOLAB STRIPPER, PHOTOLAB DEVELOPER, SEEDER/FINELINE PROCESS AND WET LINE #1 COPPER ETCHERS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 1.0 POUND/HR AND B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: AB103 - Process

Emission Source/Control: AB104 - Process

Emission Source/Control: AB107 - Process

Emission Source/Control: AB108 - Process

Emission Source/Control: AB115 - Process

New York State Department of Environmental Conservation

Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032



Emission Source/Control: AB119 - Process

Emission Source/Control: AB120 - Process

Emission Source/Control: AB121 - Process

Emission Source/Control: AB122 - Process

Emission Source/Control: AB124 - Process

Item 33.43:

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

Emission Unit: R-CABM5

Process: AE1

Source Classification Code: 3-13-065-99

Process Description:

B/258 MANUFACTURING OPERATIONS INCLUDING CHROME ETCH OPERATIONS, PLASMA REACTOR, CUPRIC CHLORIDE ETCHER WITH ASSOCIATED ABATEMENT SYSTEM (SCRUBBER). THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 1.0 POUND/HR, B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: AE01B - Control
Control Type: WET SCRUBBER

Emission Source/Control: AE101 - Process

Emission Source/Control: AE104 - Process

Emission Source/Control: AE107 - Process

Emission Source/Control: AE108 - Process

Emission Source/Control: AE150 - Process

Emission Source/Control: E120B - Process

Emission Source/Control: E120C - Process

Emission Source/Control: E121B - Process

Item 33.44:

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

Emission Unit: R-CABM5

Process: AE3

Source Classification Code: 3-13-065-99



Process Description:

Building 258 manufacturing operations. Non-scrubbed portions of process AE1, including cupric chloride etcher and interposer plating baths. The emission sources associated with this process emit B-rated pollutants at an emission rate potential less than 10 pounds/hr.

Emission Source/Control: E120A - Process

Emission Source/Control: E121A - Process

Item 33.45:

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

Emission Unit: R-CABM5

Process: CAM

Source Classification Code: 3-13-065-99

Process Description:

CAMM (CENTER FOR ADVANCED MICROELECTRONICS MANUFACTURING) CLEAN ROOM LINES, INCLUDING (1) HIGH TEMP OVEN, (2) INKJET PRINTER, (3) TWO SPIN COATERS, (4) TWO LAMINATORS, (5) THREE SPUTTER TOOLS, (6) DEVELOPER

Emission Source/Control: CAM01 - Process

Emission Source/Control: CAM02 - Process

Emission Source/Control: CAM03 - Process

Emission Source/Control: CAM04 - Process

Emission Source/Control: CAM05 - Process

Emission Source/Control: CAM06 - Process

Emission Source/Control: CAM07 - Process

Emission Source/Control: CAM08 - Process

Emission Source/Control: CAM09 - Process

Emission Source/Control: CAM10 - Process

Item 33.46:

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

Emission Unit: R-CABM5

Process: MZ1

Source Classification Code: 3-13-065-99

Process Description:

B/258 ELECTRODEPOSITED (ED) RESIST COATER AND SUPPORT SYSTEMS, INCLUDING ASSOCIATED AIR ABATEMENT SYSTEM (SCRUBBER). THE

New York State Department of Environmental Conservation

Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032



EMISSION SOURCES ASSOCIATED WITH THIS
PROCESS B-RATED POLLUTANTS AT AN EMISSION
RATE POTENTIAL LESS THAN 10 POUNDS/HR AND
SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: MZ01K - Control
Control Type: WET SCRUBBER

Emission Source/Control: MZ101 - Process

Item 33.47:

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

Emission Unit: R-CABM5
Process: PH1 Source Classification Code: 3-13-065-99
Process Description:

B/258 PLATED THROUGH HOLE (PTH) COPPER
PLATER WITH ASSOCIATED AIR ABATEMENT
SYSTEM (SCRUBBER). THE EMISSION SOURCES
ASSOCIATED WITH THIS PROCESS EMIT A-RATED
POLLUTANTS AT AN EMISSION RATE POTENTIAL
LESS THAN 1.0 POUND/HR, B-RATED POLLUTANTS
AT AN EMISSION RATE POTENTIAL LESS THAN 10
POUNDS/HR AND SOLID PARTICULATES (SUBJECT
TO PART 212).

Emission Source/Control: PH01K - Control
Control Type: WET SCRUBBER

Emission Source/Control: PH101 - Process

Item 33.48:

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

Emission Unit: R-CABM5
Process: RD1 Source Classification Code: 3-13-065-99
Process Description:

B/258 SMALL SCALE CIRCUIT BOARD LINES,
INCLUDING (1) R+D STRIP ETCH, (2) R+D
DEVELOP, (3) R+V ETCH, (4) R+D ROLL TO
ROLL ELECTROLYTIC COPPER PLATER

Emission Source/Control: RD101 - Process

Emission Source/Control: RD102 - Process

Emission Source/Control: RD103 - Process

Emission Source/Control: RD104 - Process

Condition 34: Compliance Certification

Effective between the dates of 10/06/2014 and 10/05/2019



Applicable Federal Requirement:6 NYCRR 228-1.10

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to the pre-preg coating operation.

No owner or operator of a facility subject to 6NYCRR Part 228 shall:

- (a) use open containers to store or dispose of cloth or paper impregnated with VOC and/or solvents that are used for surface preparation, cleanup, or coating removal;
- (b) store in open containers spent or fresh VOC and/or solvents to be used for surface preparation, cleanup, or coating removal;
- (c) use VOC and/or solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize their evaporation to the atmosphere;
- (d) use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance, or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate; or
- (e) use open containers to store or dispose of spent surface coatings, spent VOCs and/or solvents.

The facility shall be inspected daily, when the process is operating, to determine if there are any open containers present. Open containers, if found, shall be covered.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 35: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 63.4341(a), Subpart OOOO

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Initial Compliance Determination

This condition is applicable only if the owner or operator elects to demonstrate compliance using the emission rate (0.12 kg organic HAP/kg solids applied) with add-on control option.

1. The owner must comply with the thermal oxidizer operating limits of 40 CFR 63.4292(b) and Table 3 of that rule.
2. The owner must comply with the work practice requirements of 40 CFR 63.4293.
3. The owner or operator must comply with the organic HAP emission rate limit of 0.12 kg of organic HAP per kg of solids applied.

To demonstrate compliance with the organic HAP emission limit, the owner or operator must test the destruction efficiency of emissions of organic HAPs using 40 CFR Part 60, Appendix A, Method 25; demonstrate that the capture system is 100% efficient; and perform the calculations of 40 CFR 63.4341. Emissions testing shall be conducted once per permit term and at any other time when requested by the DEC. Testing may be waived if HSPs are used less than 720 hours in each calendar year.

4. The owner or operator must follow the procedures in



paragraphs (a) through (g) below to demonstrate compliance with the organic HAP emission limit.

(a) Determine the mass fraction of organic HAP, the mass fraction of solids and mass of materials. Follow the procedures specified in 40 CFR §63.4331(a)(1) - (3) to determine the mass fraction of organic HAP and mass of each coating, printing, thinning, and cleaning material applied during the compliance period.

(b) Calculate the total mass of organic HAP emissions before add-on controls. Using Equation 1 of 40 CFR §63.4331, calculate the total mass of organic HAP emissions before add-on controls from all coating, printing, thinning, and cleaning materials applied during the compliance period minus the organic HAP in certain waste materials in the web coating/printing operation or group of web coating/printing operations for which you use the organic HAP overall control efficiency option.

(c) Calculate the organic HAP emissions reductions. For each controlled web coating/printing operation using an emission capture system and add-on control device, calculate the organic HAP emissions reductions using Equation 1 of 40 CFR §63.4341. The equation applies the emission capture system efficiency and add-on control device efficiency to the mass of organic HAP contained in the coating, printing, thinning, and cleaning materials applied in the web coating/printing operation served by the emission capture system and add-on control device during the compliance period. For any period of time a deviation specified in 40 CFR §63.4352(c) or (d) occurs in the controlled web coating/printing operation, including a deviation during startup, shutdown, or malfunction, then you must assume zero efficiency for the emission capture system and add-on control device. Equation 1 of 40 CFR §63.4341 treats the coating, printing, thinning, and cleaning materials applied during such a deviation as if they were applied on an uncontrolled web coating/printing operation for the time period of the deviation.

(d) Calculate the total mass of organic HAP in the coating and printing material(s) applied in the controlled web coating/printing operation during the compliance period, kg, using Equation 1A of 40 CFR §63.4341.

(e) Calculate the total mass of organic HAP in the thinning and cleaning materials applied in the controlled web coating/printing operation(s) during the compliance period, kg, using Equation 1B of 40 CFR §63.4341.

(f) Calculate the mass of organic HAP in the coating,



printing, thinning, and cleaning materials applied in the controlled web coating/printing operation during deviations specified in 40 §63.4352(c) and (d), using Equation 1C of 40 CFR §63.4341.

(g) Calculate the organic HAP emission rate with add-on controls for the compliance period, kilograms of organic HAP emitted per kilogram of solids applied during the compliance period, using equation 4 of 40 CFR 63.4341.

5. Compliance demonstration. To demonstrate initial compliance with the organic HAP overall control efficiency in Table 1 to this subpart, the organic HAP emission rate with add-on controls calculated using Equation 8 of 40 CFR 63.4341(d)(7) must be less than or equal to 0.12 kg per kg solids applied. The owner or operator must keep all records as required by 40 CFR §§63.4312 and 63.4313.

6. As part of the Notification of Compliance Status required by 40 CFR §63.4310, the owner or operator must identify the web coating/printing operation(s) for which the organic HAP emission limit with add-on controls option was used and submit a statement that the web coating/printing operation was in compliance with the emission limitations during the initial compliance period because the organic HAP emission limit with add-on controls was less than or equal to the applicable organic HAP emission limit Table 1 to 40 CFR Part 63, Subpart OOOO, and you achieved the operating limits required by 40 CFR §63.4292 and the work practice standards required by 40 CFR §63.4293.

The owner must submit the Notice of Compliance Status no later than 30 days after the end of the initial compliance period.

Upper Permit Limit: 0.12 kilograms organic HAP per kilogram solids applied
Reference Test Method: EPA Method 25a or equivalent
Monitoring Frequency: MONTHLY
Averaging Method: CALENDAR MONTH AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 36: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 40CFR 63.4290, Subpart OOOO

Item 36.1:



The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall reduce emissions of hazardous air pollutants to the atmosphere by (1) achieving no less than a 97 percent organic HAP overall control efficiency, or (2) demonstrating that the organic HAP emission rate is less than 0.12 kg HAP per kg solids applied; complying with the operating limits of 40 CFR 63.4292; and complying with the work practice standards of 40 CFR 63.4312.

To demonstrate compliance, the owner or operator must test the destruction efficiency of emissions of organic HAPs using 40 CFR Part 60, Appendix A, Method 25; demonstrate that the capture system is 100% efficient; and perform the calculations of 40 CFR 63.4341.

The affected source is the collection of all items listed in items 1-5:

(1) All web coating and printing equipment used to apply cleaning materials to a substrate on the coating or printing line to prepare it for coating or printing material application, to apply coating or printing materials to a substrate and to dry or cure the coating or printing materials, or equipment used to clean web coating/printing operation equipment;

(2) All containers used for storage and vessels used for mixing coating, printing, thinning or cleaning materials;

(3) All equipment and containers used for conveying coating, printing, thinning, or cleaning materials;

(4) All containers used for storage and all equipment and containers used for conveying waste materials generated by a coating or printing operation; and

(5) All equipment, structures, and/or devices(s) used to convey, treat, or dispose of wastewater streams or



residuals generated by a coating or printing operation.

Reference Test Method: EPA Method 25, 25a, 204

Monitoring Frequency: MONTHLY

Averaging Method: CALENDAR MONTH AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 37: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 63.4291(a), Subpart OOOO

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator may apply any one of the compliance options in 40 CFR 63.4291(a)(1) through (5) to an individual web coating/printing operation, or to multiple web coating/printing operations in the affected source as a group, or to the entire affected source in the web coating and printing subcategory. The owner or operator may use different compliance options for different web coating/printing operations or at different times on the same web coating/printing operation. However, the owner or operator may not use different compliance options at the same time on the same web coating/printing operation. If the owner or operator switches between compliance options for any web coating/printing operation or group of operations, the owner or operator must document this switch as required by §63.4312(c), and the owner or operator must report it in the next semiannual compliance report required in §63.4311.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 38: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019



Applicable Federal Requirement: 40CFR 63.4292(b), Subpart OOOO

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 2TO

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

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator must operate the thermal oxidizer such that the average temperature in any 3-hour block period must not fall below the temperature limit established during the most recent compliant stack test, according to 40 CFR 63.4363(a).

1. During the performance test, the temperature must be monitored and recorded at least once every 15 minutes during each of the three test runs. The temperature must be monitored in the firebox of the thermal oxidizer or immediately downstream, before any substantial heat exchange occurs.
2. The data collected during the performance test shall be used to calculate and record the average temperature maintained during the performance test. This average temperature is the minimum operating limit for the thermal oxidizer.
3. The owner or operator must install, calibrate, maintain and operate temperature monitoring equipment according to the manufacturer's specifications. The calibration of the chart recorder, data logger, or temperature indicator must be verified every 3 months or the chart recorder, data logger, or temperature indicator must be replaced. The temperature monitoring device and continuous recorder must have an accuracy of plus or minus 1 percent of the temperature being monitored in degrees Celcius, or plus or minus 1 degree Celcius, whichever is greater.
4. Periods where the average 3-hour block temperature falls below the value established during the most recent compliant stack test are deviations that must be reported.
For purposes of completing the compliance calculations,



you must treat the coating, thinning and cleaning materials as if they were applied on an uncontrolled process, and assume the add-on control device was achieving zero efficiency.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1400 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 63.4293(b), Subpart OOOO

Item 39.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 2TO

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

Item 39.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator must develop and implement a work practice plan to minimize organic HAP emissions from the storage, mixing, and conveying of regulated materials used in, and waste materials generated by, the coating operations. The plan must specify practices and procedures that, at a minimum, the elements specified in paragraphs (1) through (5) are implemented.

1. All organic HAP-containing regulated materials and waste materials must be stored in closed containers.
2. Spills of organic HAP-containing regulated materials and waste materials must be minimized.
3. Organic HAP-containing regulated materials and waste materials must be conveyed from one location to another in closed containers or pipes.



4. Mixing vessels which contain organic HAP-containing regulated materials must be closed except when adding to, removing, or mixing the contents.

5. Emissions of organic HAP must be minimized during cleaning of coating storage, mixing and conveying equipment.

The plan must be developed and implemented during the initial compliance period, which is the first calendar month in which toluene is first used.

The Work Practice Plan shall be submitted to the DEC no later than 60 days after the initial compliance period.

On a semi-annual basis, the owner or operator shall submit to the DEC a statement of compliance.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 40: Compliance Certification

Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 63.4311(a), Subpart OOOO

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Semi-annual reporting

The semi-annual certification shall include the following information.

1. The calculation results for each compliance period (ending each month) during the six month reporting period.

2. If there were no deviations from the emission rate of 40 CFR Part 63, Subpart OOOO, Table 1, or to 40 CFR 63.4292 (operating limits), or to 40 CFR 63.4293 (work practice), the semi-annual report must include a statement



that there were no deviations.

3. If there were no periods where the temperature monitoring devices were out of control, the semi-annual report must include a statement that there were no periods during which the devices were out of control during the reporting period. A temperature monitoring device is out of control if it fails to meet calibration standards to within 1 degree Celcius, or as otherwise defined in the operating plan.

4. Deviations: add-on controls options. If there was a deviation from an emission limitation (including any periods when emissions bypassed the add-on control device and were diverted to the atmosphere), the semiannual compliance report must contain the information in paragraphs (i) through (xiv) below. This includes periods of startup, shutdown, and malfunction during which deviations occurred.

(i) The beginning and ending dates of each compliance period during which the organic HAP emission rate exceeded the applicable emission limit in Table 1 to this subpart.

(ii) The calculations used to determine the organic HAP overall control efficiency for each compliance period in which a deviation occurred. You must submit the calculations that apply to you, including Equations 1, 1A, and 1B of §63.4331; Equations 1, 1A, 1B, 1C, 2, 3, 3A, and 3B of §63.4341; and Equation 1 of §63.4351. You do not need to submit the background data supporting these calculations (e.g., test reports).

(iii) The date and time that each malfunction started and stopped.

(iv) A brief description of the CPMS.

(v) The date of the latest CPMS certification or audit.

(vi) The date and time that each CPMS was inoperative, except for zero (low-level) and high-level checks.

(vii) The date, time, and duration that each CPMS was out-of-control, including the information in §63.8(c)(8).

(viii) The date and time period of each deviation from an operating limit in Table 2 to this subpart, date and time



period of any bypass of the add-on control device, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.

(ix) A summary of the total duration of each deviation from an operating limit in Table 2 to this subpart and each bypass of the add-on control device during the semiannual reporting period and the total duration as a percent of the total source operating time during that semiannual reporting period.

(x) A breakdown of the total duration of the deviations from the operating limits in Table 2 to this subpart and bypasses of the add-on control device during the semiannual reporting period into those that were due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.

(xi) A summary of the total duration of CPMS downtime during the semiannual reporting period and the total duration of CPMS downtime as a percent of the total source operating time during that semiannual reporting period.

(xii) A description of any changes in the CPMS, web coating/printing or dyeing/finishing operation, emission capture system, or add-on control device since the last semiannual reporting period.

(xiii) For each deviation from the work practice standards, a description of the deviation, the date and time period duration of the deviation, and the actions you took to correct the deviation.

(xiv) A statement of the cause of each deviation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification



Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 40CFR 63.4311(c), Subpart OOOO

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 2TO

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Startup, shutdown, malfunction reports.

If the device has a startup, shutdown, or malfunction during the semiannual reporting period, the owner or operator must submit the reports specified in paragraphs (i) and (ii) of this section.

(i) If the actions taken were consistent with your startup, shutdown, and malfunction plan, the owner or operator must include the information specified in §63.10(d) in the semiannual compliance report.

(ii) If the actions taken were not consistent with the startup, shutdown, and malfunction plan, the owner or operator must submit an immediate startup, shutdown, and malfunction report as described in paragraphs (a) and (b).

(a) You must describe the actions taken during the event in a report delivered by facsimile, telephone, or other means to the Administrator within 2 working days after starting actions that are inconsistent with the plan.

(b) You must submit a letter to the Administrator within 7 working days after the end of the event, unless you have made alternative arrangements with the Administrator as specified in §63.10(d)(5)(ii). The letter must contain the information specified in §63.10(d)(5)(ii).

40 CFR 63.10(d)(5)(ii):

Immediate startup, shutdown, and malfunction reports. Any time an action taken by an owner or operator during a startup or shutdown that caused the source to exceed any applicable emission limitation in the relevant emission



standards, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, the owner or operator shall report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan followed by a letter within 7 working days after the end of the event. The immediate report required under this paragraph (d)(5)(ii) shall consist of a telephone call (or facsimile (FAX) transmission) or an e-mail to the DEC within 2 working days after commencing actions inconsistent with the plan, and it shall be followed by a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, describing 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 in conformance with §63.6(e)(1)(i).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 42: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 63.4342, Subpart OOOO

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must meet all the requirements of this condition to demonstrate continuous compliance with the organic HAP emission limit with add-on controls.



1. The organic HAP emission rate (with add-on controls) for each compliance period, determined according to the procedures in 40 CFR §63.4341(e), must be equal to or less than the applicable organic HAP emission limit in 40 CFR Part 63, Subpart OOOO, Table 1. Each month following the initial compliance period described in 40 CFR §63.4350 is a compliance period consisting of that month and the preceding 11 months. The owner or operator must perform the calculations in 40 CFR §63.4341 on a monthly basis.
2. If the organic HAP emission rate with add-on controls for any compliance period exceeded the applicable organic HAP emission limit in 40 CFR Part 63, Subpart OOOO, Table 1, this is a deviation from the emission limitation for that compliance period and must be reported as specified in 40 CFR §§63.4310(c)(6) and 63.4311(a)(7).
3. The owner or operator must demonstrate continuous compliance with each applicable operating limit required by 40 CFR §63.4292, as specified in 40 CFR Part 63, Subpart OOOO, Table 2. For this process, the average temperature in any 3 hour block period must not fall below the temperature limit established during the most recent compliant stack test.
4. If an operating parameter is out of the allowed range specified in 40 CFR Part 63, Subpart OOOO, Table 2, this is a deviation from the operating limit that must be reported as specified in 40 CFR §§63.4310(c)(6) and 63.4311(a)(7).
5. If an operating parameter deviates from the operating limit specified in 40 CFR Part 63, Subpart OOOO, Table 2, then the owner or operator must assume that the emission capture system and add-on control device were achieving zero efficiency during the time period of the deviation. For the purposes of completing the compliance calculations specified in 40 CFR §63.4341(e)(4), the coating, printing, thinning, and cleaning materials applied during a deviation on a controlled web coating/printing operation must be treated as if they were applied on an uncontrolled web coating/printing operation for the time period of the deviation as indicated in Equation 1 of 40 CFR §63.4341.
6. The owner or operator must meet the requirements for bypass lines in 40 CFR §63.4364(b) for controlled web coating/printing operations. If any bypass line is opened and emissions are diverted to the atmosphere when the web coating/printing operation is running, this is a deviation that must be reported as specified in 40 CFR



§§63.4310(c)(6) and 63.4311(a)(7). For the purposes of completing the compliance calculations specified in §63.4351(d)(4), the coating, printing, thinning, and cleaning materials applied during a deviation on a controlled web coating/printing operation must be treated as if they were applied on an uncontrolled web coating/printing operation for the time period of the deviation as indicated in Equation 1 of 40 CFR §63.4341.

7. The owner or operator must demonstrate continuous compliance with the work practice standards in 40 CFR §63.4293. If the owner or operator did not develop a work practice plan, or if the a plan was not implemented, or the records required by 40 CFR §63.4312(j)(8) were not kept, this is a deviation from the work practice standards that must be reported as specified in 40 CFR §§63.4310(c)(6) and 63.4311(a)(7).

8. If there were no deviations from the organic HAP emission limit, the owner or operator shall submit a statement that the equipment was operated in compliance with the emission limitations during the reporting period because the organic HAP emission rate with add-on controls for each compliance period was less than or equal to the applicable organic HAP emission limit in 40 CFR Part 63, Subpart OOOO, Table 1, and the operating limits required by 40 §63.4292 and the work practice standards required by 40 CFR §63.4293 were achieved during each compliance period.

9. Consistent with 40 CFR §§63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction of the emission capture system, add-on control device, or web coating/printing operation that may affect emission capture or control device efficiency are not violations if the owner or operator demonstrates to the Administrator's and/or the DEC's satisfaction that the equipment was operated in accordance with 40 CFR §63.6(e)(1). The Administrator and/or the DEC will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations according to the provisions in 40 CFR §63.6(e).

10. The owner or operator must maintain records as specified in 40 CFR §§63.4312 and 63.4313.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 6 calendar month(s).



Condition 43: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 40CFR 63.4351, Subpart OOOO

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 2TO

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

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable only if the owner or operator elects to demonstrate compliance using the organic HAP overall control efficiency option.

1. The owner must comply with the thermal oxidizer operating limits of 40 CFR 63.4292(b).
2. The owner must comply with the work practice requirements of 40 CFR 63.4293.
3. The owner or operator must comply with the organic HAP overall control efficiency limits.

To demonstrate compliance with the overall HAP control efficiency requirement, the owner or operator must test the destruction efficiency of emissions of organic HAPs using 40 CFR Part 60, Appendix A, Method 25; demonstrate that the capture system is 100% efficient; and perform the calculations of 40 CFR 63.4341. Emissions testing shall be conducted within 180 days of first using toluene in the treater towers, and at any other time when requested by the DEC.

4. The owner or operator must follow the procedures in paragraphs (a) through (g) below to demonstrate compliance with the 97 percent overall HAP removal efficiency limit:

(a) Determine the mass fraction of organic HAP and mass of coating or printing materials. Follow the procedures specified in 40 CFR §63.4331(a)(1) and (3) to determine the mass fraction of organic HAP and mass of each coating,



printing, thinning, and cleaning material applied during the compliance period.

(b) Calculate the total mass of organic HAP emissions before add-on controls. Using Equation 1 of 40 CFR §63.4331, calculate the total mass of organic HAP emissions before add-on controls from all coating, printing, thinning, and cleaning materials applied during the compliance period minus the organic HAP in certain waste materials in the web coating/printing operation or group of web coating/printing operations for which you use the organic HAP overall control efficiency option.

(c) Calculate the organic HAP emissions reductions. For each controlled web coating/printing operation using an emission capture system and add-on control device, calculate the organic HAP emissions reductions using Equation 1 of 40 CFR §63.4341. The equation applies the emission capture system efficiency and add-on control device efficiency to the mass of organic HAP contained in the coating, printing, thinning, and cleaning materials applied in the web coating/printing operation served by the emission capture system and add-on control device during the compliance period. For any period of time a deviation specified in 40 CFR §63.4352(c) or (d) occurs in the controlled web coating/printing operation, including a deviation during startup, shutdown, or malfunction, then you must assume zero efficiency for the emission capture system and add-on control device. Equation 1 of 40 CFR §63.4341 treats the coating, printing, thinning, and cleaning materials applied during such a deviation as if they were applied on an uncontrolled web coating/printing operation for the time period of the deviation.

(d) Calculate the total mass of organic HAP in the coating and printing material(s) applied in the controlled web coating/printing operation during the compliance period, kg, using Equation 1A of 40 CFR §63.4341.

(e) Calculate the total mass of organic HAP in the thinning and cleaning materials applied in the controlled web coating/printing operation(s) during the compliance period, kg, using Equation 1B of 40 CFR §63.4341.

(f) Calculate the mass of organic HAP in the coating, printing, thinning, and cleaning materials applied in the controlled web coating/printing operation during deviations specified in 40 §63.4352(c) and (d), using Equation 1C of 40 CFR §63.4341.

(g) Calculate the organic HAP overall control efficiency. Determine the organic HAP overall control efficiency, kg



organic HAP emissions reductions per kg organic HAP emissions before add-on controls during the compliance period, using Equation 1 of 40 CFR 63.4351(d)(6). (The total mass of organic HAP emissions before add-on control shall be computed using Equation 1 of 40 CFR 63.4331.)

5. Compliance demonstration. To demonstrate initial compliance with the organic HAP overall control efficiency in Table 1 to this subpart, the organic HAP overall control efficiency calculated using Equation 1 of 40 CFR 63.4351(d)(6) must be at least 98 percent. The owner or operator must keep all records as required by 40 CFR §§63.4312 and 63.4313.

6. As part of the Notification of Compliance Status required by 40 CFR §63.4310, the owner or operator must identify the web coating/printing operation(s) for which the organic HAP overall control efficiency option was used and submit a statement that the web coating/printing operation was in compliance with the emission limitations during the initial compliance period because the organic HAP overall control efficiency was greater than or equal to the applicable organic HAP overall control efficiency in Table 1 to this subpart, and you achieved the operating limits required by 40 CFR §63.4292 and the work practice standards required by 40 CFR §63.4293.

The owner must submit the Notice of Compliance Status no later than 30 days after the end of the initial compliance period.

Lower Permit Limit: 97.0 percent
Reference Test Method: EPA Method 25a or equivalent
Monitoring Frequency: MONTHLY
Averaging Method: CALENDAR MONTH AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 0 days after the reporting period.
The initial report is due 12/31/2014.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 40CFR 63.4352, Subpart OOOO

Item 44.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 2TO



Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous Compliance Demonstration

The owner or operator must meet all the requirements of this condition to demonstrate continuous compliance with the organic HAP overall control efficiency.

1. The organic HAP overall control efficiency for each compliance period, determined according to the procedures in 40 CFR §63.4351(d), must be equal to or greater than the applicable organic HAP overall control efficiency limit in 40 CFR Part 63, Subpart OOOO, Table 1. Each month following the initial compliance period described in 40 CFR §63.4350 is a compliance period. The owner or operator must perform the calculations in 40 CFR §63.4351(d) on a monthly basis.

2. If the organic HAP overall control efficiency for any compliance period failed to meet the applicable organic HAP overall control efficiency in 40 CFR Part 63, Subpart OOOO, Table 1, this is a deviation from the emission limitation for that compliance period and must be reported as specified in 40 CFR §§63.4310(c)(6) and 63.4311(a)(7).

3. The owner or operator must demonstrate continuous compliance with each applicable operating limit required by 40 CFR §63.4292, as specified in 40 CFR Part 63, Subpart OOOO, Table 2. For this process, the average temperature in any 3 hour block period must not fall below the temperature limit established during the most recent compliant stack test.

4. If an operating parameter is out of the allowed range specified in 40 CFR Part 63, Subpart OOOO, Table 2, this is a deviation from the operating limit that must be reported as specified in 40 CFR §§63.4310(c)(6) and 63.4311(a)(7).

5. If an operating parameter deviates from the operating limit specified in 40 CFR Part 63, Subpart OOOO, Table 2, then the owner or operator must assume that the emission capture system and add-on control device were achieving zero efficiency during the time period of the deviation. For the purposes of completing the compliance calculations specified in 40 CFR §63.4351(d)(4), the coating, printing, thinning, and cleaning materials applied during a deviation on a controlled web coating/printing operation



must be treated as if they were applied on an uncontrolled web coating/printing operation for the time period of the deviation as indicated in Equation 1 of 40 CFR §63.4341.

6. The owner or operator must meet the requirements for bypass lines in 40 CFR §63.4364(b) for controlled web coating/printing operations. If any bypass line is opened and emissions are diverted to the atmosphere when the web coating/printing operation is running, this is a deviation that must be reported as specified in 40 CFR §§63.4310(c)(6) and 63.4311(a)(7). For the purposes of completing the compliance calculations specified in §63.4351(d)(4), the coating, printing, thinning, and cleaning materials applied during a deviation on a controlled web coating/printing operation must be treated as if they were applied on an uncontrolled web coating/printing operation for the time period of the deviation as indicated in Equation 1 of 40 CFR §63.4341.

7. The owner or operator must demonstrate continuous compliance with the work practice standards in 40 CFR §63.4293. If the owner or operator did not develop a work practice plan, or if the a plan was not implemented, or the records required by 40 CFR §63.4312(j)(8) were not kept, this is a deviation from the work practice standards that must be reported as specified in 40 CFR §§63.4310(c)(6) and 63.4311(a)(7).

8. If there were no deviations from the organic HAP overall control efficiency limitations, the owner or operator shall submit a statement that the equipment was operated in compliance with the emission limitations during the reporting period because the organic HAP overall control efficiency for each compliance period was greater than or equal to the applicable organic HAP overall control efficiency in 40 CFR Part 63, Subpart OOOO, Table 1, and the operating limits required by 40 CFR §63.4292 and the work practice standards required by 40 CFR §63.4293 were achieved during each compliance period.

9. Consistent with 40 CFR §§63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction of the emission capture system, add-on control device, or web coating/printing operation that may affect emission capture or control device efficiency are not violations if the owner or operator demonstrates to the Administrator's and/or the DEC's satisfaction that the equipment was operated in accordance with 40 CFR §63.6(e)(1). The Administrator and/or the DEC



will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations according to the provisions in 40 CFR §63.6(e).

10. The owner or operator must maintain records as specified in 40 CFR §§63.4312 and 63.4313.

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 45: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 63.4360, Subpart OOOO

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1. The owner or operator is required to conduct emissions tests to document the destruction efficiency of the thermal oxidizers.

(i) Use Method 1 of appendix A to 40 CFR part 60 to select sampling sites and velocity traverse points.

(ii) Use Method 2 to measure gas volumetric flow rate.

(iii) Use Method 3, 3A, or 3B of appendix A to 40 CFR part 60 for gas analysis to determine dry molecular weight. You may also use as an alternative to Method 3B, the manual method for measuring the oxygen, carbon dioxide, and carbon monoxide content of exhaust gas in ANSI/ASME, PTC 19.10, 1981, "Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus]" (incorporated by reference, see §63.14).



(iv) Use Method 4 of appendix A to 40 CFR part 60 to determine stack gas moisture.

(v) Methods for determining gas volumetric flow rate, dry molecular weight, and stack gas moisture must be performed during each test run.

(vi) Measure the volatile organic matter concentration as carbon at the inlet and outlet of the add-on control device simultaneously, using Method 25 or 25A of appendix A to 40 CFR part 60. The outlet volatile organic matter concentration is determined as the average of the three test runs.

(vii) Use Method 25 if the add-on control device is an oxidizer and you expect the total gaseous organic concentration as carbon to be more than 50 parts per million (ppm) at the control device outlet.

(viii) Use Method 25A if the add-on control device is an oxidizer and you expect the total gaseous organic concentration as carbon to be 50 ppm or less at the control device outlet. Method 25A must be used to demonstrate compliance with the oxidizer outlet organic HAP concentration limit.

(ix) For each test run, determine the total gaseous organic emissions mass flow rates for the inlet and the outlet of the add-on control device, using Equation 1 of 40 CFR 63.4362.

(x) For each test run, determine the add-on control device organic emissions destruction or removal efficiency using Equation 2 of 40 CFR 63.4362.

(xi) Determine the emission destruction or removal efficiency of the add-on control device as the average of the efficiencies determined in the three test runs and calculated in Equation 2 of 40 CFR 63.4362.

2. Representative web coating/printing or dyeing/finishing operation operating conditions. The owner or operator must conduct the performance test under representative operating conditions for the web coating/printing or dyeing/finishing operation. Operations during periods of startup, shutdown, or malfunction and during periods of nonoperation do not constitute representative conditions. The owner or operator must record the process information that is necessary to document operating conditions during the test and explain why the conditions represent normal operation.



3. Representative emission capture system and add-on control device operating conditions. The owner or operator must conduct the performance test when the emission capture system and add-on control device are operating at a representative flow rate, and the add-on control device is operating at a representative inlet concentration. The owner or operator must record information that is necessary to document emission capture system and add-on control device operating conditions during the test and explain why the conditions represent normal operation.
4. During the performance test, the owner or operator must monitor and record the temperature at least once every 15 minutes during each of the three test runs. The owner or operator must monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs.
5. Use the data collected during the performance test to calculate and record the average temperature maintained during the performance test. This average temperature is the minimum operating limit for the thermal oxidizer.
6. The owner or operator must submit reports of performance test results for emission capture systems and add-on control devices no later than 60 days after completing the tests.
7. If the owner or operator elects to demonstrate compliance using the organic HAP overall control efficiency option, the minimum destruction efficiency must be at least 97% by weight, and may be required to be greater than 98% to achieve the required overall control efficiency of 97% calculated in accordance with 40 CFR 63.4351.
8. If the owner or operator elects to demonstrate compliance with the emission rate using the add-on controls option, emissions must not exceed 0.12 kg HAP/kg solids applied.

Upper Permit Limit: 0.12 kilograms organic HAP per
kilogram solids applied

Reference Test Method: EPA Method 25a

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 46: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement: 40CFR 63.4361, Subpart OOOO

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Regulated Contaminant(s):

CAS No: 0NY100-00-0 TOTAL HAP

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator must use the procedures and test methods in this section to determine capture efficiency as part of the performance test required by §§63.4340 or 63.4350.

1. Assuming 100 percent capture efficiency. The owner or operator may assume the capture system efficiency is 100 percent if both of the conditions in paragraphs (i) and (ii) are met.

(i) The capture system meets the criteria in Method 204 of appendix M to 40 CFR part 51 for a PTE and directs all the exhaust gases from the enclosure to an add-on control device.

(ii) All regulated materials applied in the web coating/printing or dyeing/finishing operation are applied within the capture system; regulated material solvent flash-off, curing, and drying occurs within the capture system; and the removal or evaporation of cleaning materials from the web coating/printing operation surfaces they are applied to occurs within the capture system. For example, this criterion is not met if the web enters the open shop environment when moving between the application station and a curing oven.

2. Capture system monitoring. The owner or operator must develop a site-specific monitoring plan containing the information specified in paragraphs (i) and (ii) of this section for these capture systems; monitor the capture system in accordance with paragraph (iii) of this section; and make the monitoring plan available for inspection by



the permitting authority upon request.

(i) The monitoring plan must:

(a) Identify the operating parameter to be monitored to ensure that the capture efficiency determined during the initial compliance test is maintained; and

(b) Explain why this parameter is appropriate for demonstrating ongoing compliance; and

(c) Identify the specific monitoring procedures.

(ii) The monitoring plan must specify the operating parameter value or range of values that demonstrate compliance with the emission standards in §63.4290. The specified operating parameter value or range of values must represent the conditions present when the capture system is being properly operated and maintained.

3. The owner or operator must conduct all capture system monitoring in accordance with the plan.

4. Any deviation from the operating parameter value or range of values which are monitored according to the plan will be considered a deviation from the operating limit.

5. You must review and update the capture system monitoring plan at least annually.

6. The owner or operator shall document 100% capture using Method 204 once each permit term.

7. The owner or operator must maintain documentation of 100% capture on-site. The owner or operator, upon achieving 100% capture, must not alter the capture system in such a manner that would decrease the capture efficiency.

Parameter Monitored: CAPTURE EFFICIENCY

Lower Permit Limit: 100 percent

Reference Test Method: 40 CFR Part 51, Method 204

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.



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

Condition 47: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 63.4364, Subpart OOOO

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 2TO

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to the temperature sensing device and any device used to monitor capture efficiency.

The owner or operator must install, operate, and maintain each CPMS specified in paragraphs (c) and (d) and (e) of this condition according to the requirements in paragraphs (a) (1) through (a)(8) of this condition. The owner or operator must install, operate, and maintain each CPMS specified in paragraph (b) of this section according to paragraphs (a)(5) through (a)(7) of this section.

(a)(1) Each CPMS must complete a minimum of one cycle of operation for each successive 15-minute period. There must be a minimum of four equally spaced successive cycles of CPMS operation to have a valid hour of data.

(a)(2) The CPMS must obtain valid data from at least 90 percent of the hours during which the process operated.

(a)(3) The CPMS must determine the hourly average of all recorded readings according to paragraphs (a)(3)(i) and (ii) of this section.

(a)(3)(i) To calculate a valid hourly value, there must be at least three of four equally spaced data values from that hour from a continuous monitoring system (CMS) that is not out-of-control.

(a)(3)(ii) Provided all of the readings recorded in accordance with paragraph (a)(3) of this section clearly demonstrate continuous compliance with the standard that applies, then the CPMS is not required to determine the



hourly average of all recorded readings.

(a)(4) The CPMS must determine the rolling 3-hour average of all recorded readings for each operating period. To calculate the average for each 3-hour averaging period, there must be at least two of three of the hourly averages for that period using only average values that are based on valid data (i.e., not from out-of-control periods).

(a)(5) The CPMS must record the results of each inspection, calibration, and validation check of the CPMS.

(a)(6) At all times, the owner or operator must maintain the monitoring system in proper working order including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(a)(7) Except for monitoring malfunctions, associated repairs, or required quality assurance or control activities (including calibration checks or required zero and span adjustments), the owner or operator must conduct all monitoring at all times that the unit is operating. Data recorded during monitoring malfunctions, associated repairs, out-of-control periods, or required quality assurance or control activities shall not be used for purposes of calculating the emissions concentrations and percent reductions specified in Table 1 to this subpart. The owner or operator must use all the valid data collected during all other periods in assessing compliance of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(a)(8) Any averaging period for which the CPMS does not have valid monitoring data and such data are required constitutes a deviation, and the owner or operator must notify the DEC and the Administrator in accordance with 40 CFR §63.4311(a).

(b) Capture system bypass line. The owner or operator must meet the requirements of paragraphs (a)(5) through (a)(6) and (b)(1) and (b)(2) of this section for each emission capture system that contains bypass lines that could divert emissions away from the add-on control device to the atmosphere.

(b)(1) The owner or operator must monitor or secure the



valve or closure mechanism controlling the bypass line in a nondiverting position in such a way that the valve or closure mechanism cannot be opened without creating a record that the valve was opened. The method used to monitor or secure the valve or closure mechanism must meet one of the requirements specified in paragraphs (b)(1)(i) through (iv) of this section.

(b)(1)(i) Flow control position indicator. Install, calibrate, maintain, and operate according to the manufacturer's specifications a flow control position indicator that takes a reading at least once every 15 minutes and provides a record indicating whether the emissions are directed to the add-on control device or diverted from the add-on control device. The time of occurrence and flow control position must be recorded, as well as every time the flow direction is changed. The flow control position indicator must be installed at the entrance to any bypass line that could divert the emissions away from the add-on control device to the atmosphere.

(b)(1)(ii) Car-seal or lock-and-key valve closures. Secure any bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. The owner or operator must visually inspect the seal or closure mechanism at least once every month to ensure that the valve is maintained in the closed position, and the emissions are not diverted away from the add-on control device to the atmosphere.

(b)(1)(iii) Valve closure continuous monitoring. Ensure that any bypass line valve is in the closed (non-diverting) position through monitoring of valve position at least once every 15 minutes. The owner or operator must inspect the monitoring system at least once every month to verify that the monitor will indicate valve position.

(b)(1)(iv) Automatic shutdown system. Use an automatic shutdown system in which the web coating/printing or dyeing/finishing operation is stopped when flow is diverted by the bypass line away from the add-on control device to the atmosphere when the web coating/printing or dyeing/finishing operation is running. The owner or operator must inspect the automatic shutdown system at least once every month to verify that it will detect diversions of flow and shutdown the web coating/printing or dyeing/finishing operation.

(b)(2) If any bypass line is opened, the owner or operator must include a description of why the bypass line was

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opened and the length of time it remained open in the semiannual compliance reports required in §63.4311.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 48: Compliance Certification
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: P-WB001

Process: HOP

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The owner or operator shall conduct a tune-up of the hot oil presses once every five years.
2. The first tune-up shall be completed no later than January 31, 2016. See 40 CFR 63.7495.
3. The owner or operator shall submit a report of such tune-up once every five years. The report shall be submitted with the annual compliance certification.

Monitoring Frequency: Once every five years

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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 49: Contaminant List
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable State Requirement:ECL 19-0301

Item 49.1:
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: TOTAL HAP



CAS No: 0NY998-00-0

Name: VOC

Condition 50: Malfunctions and start-up/shutdown activities
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable State Requirement:6 NYCRR 201-1.4

Item 50.1:

(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 51: Visible Emissions Limited
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable State Requirement:6 NYCRR 211.2

Item 51.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted



burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 52: Compliance Demonstration
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable State Requirement: 6 NYCRR 212.4 (a)

Item 52.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 52.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of contaminants assigned an environmental rating and emission rate limits under Part 212.9.

Several emission sources at the Facility emit A-rated contaminants, non-A-rated contaminants, pollutants for which no rating has been assigned, or combinations of these contaminants. This condition is applicable to all such devices. This state-enforceable condition applies to non-criteria pollutants.

1. The emission rate potential of any A-rated pollutant shall not exceed 1.0 pound per hour.
2. The emission rate potential of any B rated pollutant, excluding pollutants that are also defined to be volatile organic compounds, shall not exceed 10.0 pounds per hour.

For this facility, A-rated contaminants are those contaminants listed with a "high" toxicity in the Department's most recent DAR-1 (Air Guide 1) guidance document, and any other contaminant that may be A-rated by the Department. All other pollutants are B-rated, unless otherwise rated by the Department.

3. The following shall not have an emissions rate that results in predicted ambient concentrations in excess of the Annual Guideline Concentration or the Short term Guideline Concentration for each contaminant, as determined pursuant to conditions in this permit:

(A) contaminants rated A with an emission rate potential less than one pound per hour,



(B) contaminants rated B with an emission rate potential less than 10 pounds per hour, and

(C) contaminants assigned an Interim AGC or SGC, as identified by the DEC.

Compliance will be determined using a stack emission test, conducted upon request from the DEC, according to methods promulgated by EPA, as approved by the DEC.

4. If the emissions source is equipped with an emissions control device, such device must be operated and maintained in a satisfactory state of maintenance and repair.

5. On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment.

The first report shall be due 30 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due January 30.

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 1/30/2015.

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

Condition 53: Compliance Demonstration
Effective between the dates of 10/06/2014 and 10/05/2019

Applicable State Requirement:6 NYCRR 212.4 (a)

Item 53.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 53.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions of A and B - rated contaminants - Ambient
Guideline Concentration Limits

Several emission sources at the Facility emit A-rated contaminants, non-A-rated contaminants, pollutants for



which no rating has been assigned, or combinations of these contaminants. This condition is applicable to all such devices. This state-enforceable condition applies to non-criteria pollutants.

A facility-wide ambient impact analysis must be completed using DEC approved ambient modeling procedures for all pollutants for which an environmental rating is assigned by the DEC. This analysis must show that there are no predicted off-site ambient concentrations in excess of the Annual Guideline Concentration or Short term Guideline Concentration for each contaminant (and no predicted ambient concentrations in excess of any Interim AGC or SGC assigned by the DEC). This analysis shall include all emissions of such pollutant, facility-wide, so that cumulative impacts are modeled. Within 180 days of the effective date of this permit, the owner or operator must submit to the DEC a modeling protocol for the ambient impact analysis. Within 90 days of DEC's approval of the protocol, the owner or operator shall submit to the DEC a report describing the results of ambient impact analysis.

The owner or operator must not make any changes to the stack characteristics (height or exit velocity) that would alter dispersion characteristics unless approved by the DEC.

On an annual basis, beginning one year after receipt of this permit, and on a calendar year basis ending December 31 thereafter, the owner or operator shall submit to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment, that could result in increases in predicted emissions. The first report shall be due 30 days after the end of the first 12 month rolling period, commencing with the receipt of this permit. Thereafter, reports shall be due January 30.

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 1/30/2015.

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

**** Emission Unit Level ****



Item 55.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-96000

Process: CAU

Item 55.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The facility's biological treatment reactor is allowed to treat leachate provided that VOC emission rate potential, as defined in 6 NYCRR 200.1, from each Biological Reactor is less than 3.0 pounds per hour.
1. Any leachate expected or determined to be a source of odors must be treated in Biological Reactor 1.
2. Biological Reactor 1 odor emissions must be controlled using an activated carbon filter.
3. On a calendar quarter basis, the owner or operator shall assess whether odors are detectable off-site. The owner shall maintain a log of such observances. If odors are detected, the owner or operator shall determine the cause of the odor and the necessary corrective action.
4. For each such determination made pursuant to item 3 of this condition, the owner or operator shall submit to the DEC a report of his or her findings.
5. On an annual basis, the owner or operator shall state whether he or she has complied with this requirement.

Monitoring Frequency: QUARTERLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

