



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-0346-00032/00209
Effective Date:

Expiration Date:

Permit Issued To: ENDICOTT INTERCONNECT TECHNOLOGIES INC
1093 CLARK ST
ENDICOTT, NY 13760

Contact: PAUL A SPERANZA
ENDICOTT INTERCONNECT TECHNOLOGIES INC
1093 CLARK ST
ENDICOTT, NY 13760
(607) 755-6179

Facility: ENDICOTT INTERCONNECT TECHNOLOGIES INC
1093 CLARK ST
ENDICOTT, NY 13760

Description:
Title V renewal.

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

Permit Administrator: MICHAEL K BARYLSKI
DIVISION OF ENVIRONMENTAL PERMITS
1285 FISHER AVE
CORTLAND, NY 13045-1090

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 7
HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6NYCRR 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: 6NYCRR 621.13

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ENDICOTT INTERCONNECT TECHNOLOGIES INC
1093 CLARK ST
ENDICOTT, NY 13760

Facility: ENDICOTT INTERCONNECT TECHNOLOGIES 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:

Permit Expiration Date:



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department
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Facility Level

Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 200.7: Compliance Certification
- 24 6NYCRR 201-6: Emission Unit Definition
- 25 6NYCRR 201-6.5(f): Compliance Certification
- 26 6NYCRR 212.4(a): Compliance Certification
- 27 6NYCRR 212.4(a): Compliance Certification
- 28 6NYCRR 212.4(a): Compliance Certification
- 29 6NYCRR 212.4(c): Compliance Certification
- 30 6NYCRR 212.6(a): Compliance Certification
- 31 6NYCRR 225-1.2(a)(2): Compliance Certification
- 32 6NYCRR 226.2: Compliance Certification
- 33 6NYCRR 228.3(b): Compliance Certification
- 34 6NYCRR 229.3(e)(2)(v): Compliance Certification



Emission Unit Level

- 35 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 36 6NYCRR 201-6: Process Definition By Emission Unit

EU=A-SSEMB

- 37 6NYCRR 212.10(c)(4)(i): Compliance Certification

EU=B-25900

- 38 6NYCRR 228.5: Compliance Certification
- 39 6NYCRR 228.5(g): Compliance Certification
- 40 6NYCRR 228.10: Compliance Certification

EU=B-25900,Proc=1NC

- 41 6NYCRR 201-6.5(b)(1): Compliance Certification

EU=B-25900,Proc=2NC

- 42 6NYCRR 201-6.5(b)(1): Compliance Certification

EU=B-25900,Proc=2TO

- 43 40CFR 63.4290, Subpart OOOO: Compliance Certification
- 44 40CFR 63.4292(b), Subpart OOOO: Compliance Certification
- 45 40CFR 63.4293(b), Subpart OOOO: Compliance Certification
- 46 40CFR 63.4311(a), Subpart OOOO: Compliance Certification
- 47 40CFR 63.4311(c), Subpart OOOO: Compliance Certification
- 48 40CFR 63.4351, Subpart OOOO: Compliance Certification
- 49 40CFR 63.4352, Subpart OOOO: Compliance Certification
- 50 40CFR 63.4360, Subpart OOOO: Compliance Certification
- 51 40CFR 63.4361, Subpart OOOO: Compliance Certification
- 52 40CFR 63.4364, Subpart OOOO: Compliance Certification

EU=B-96000

- 53 6NYCRR 212.10(c)(4)(i): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 54 ECL 19-0301: Contaminant List
- 55 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 56 6NYCRR 211.2: Air pollution prohibited
- 57 6NYCRR 212.4(a): Compliance Demonstration
- 58 6NYCRR 212.4(a): Compliance Demonstration
- 59 6NYCRR 225-1.2(a)(2): 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 - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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 6NYCRR 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 Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**



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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the



effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective for entire length of Permit**

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 for entire length of Permit**

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

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring
Effective for entire length of Permit**

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

Item 3.1:

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

- (i) The date, place, and time of sampling or measurements;



(ii) The date(s) analyses were performed;

(iii) The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

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

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

Effective for entire length of Permit

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

Item 4.1:

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

Condition 5: Compliance Certification

Effective for entire length of Permit

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



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

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.



The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective for entire length of Permit

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2



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

The address for the RAPCE is as follows:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
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 1/30/2009.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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 for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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 Prohibited at Industrial and Commercial Sites
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 215

Item 9.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

**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 for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 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 for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 11.1:

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to
the air
Effective for entire length of Permit**



Applicable Federal Requirement:6NYCRR 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 for entire length of Permit**

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

Item 13.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

**Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit**

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

Item 14.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

**Condition 15: Standard Requirement - Provide Information
Effective for entire length of Permit**

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

Item 15.1:

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

**Condition 16: General Condition - Right to Inspect
Effective for entire length of Permit**

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



Item 16.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective for entire length of Permit

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

Item 17.1:

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

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective for entire length of Permit

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

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.



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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 20: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 211.3

Item 20.1:

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 21: Accidental release provisions.
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 68

Item 21.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:



Risk Management Plan Reporting Center

C/O CSC

8400 Corporate Dr

Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 82, Subpart F

Item 22.1:

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 23: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 200.7

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 60 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 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.

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

Condition 24: Emission Unit Definition
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-6

Item 24.1:

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/46 AND B/41 THAT SUPPORT COMPLEX ASSEMBLY OPERATIONS. THESE ASSEMBLY OPERATIONS POPULATE BASE BOARDS WITH ELECTRICAL COMPONENTS.

Building(s): 41
46

Item 24.2:

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.

Treater tower # 2 is permitted to use toluene, a HAP, and is thus subject to 40 CFR 63, Subpart OOOO.



THIS EMISSION UNIT IS SUBJECT TO EPA'S
COMPLIANCE ASSURANCE MONITORING
REGULATIONS.

Building(s): 259
259A

Item 24.3:

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 24.4:

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
2, 10, 18, 21, 41, 47 and 53 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): 10
18
2
21
41
47
53

Item 24.5:

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 CERAMIC OR ORGANIC CHIP
CARRIERS WITH ELECTRONIC CIRCUITRY. THESE
OPERATIONS INCLUDE SURFACE PREPARATION,
LAMINATION OF COPPER FOIL/LAYERS,



CIRCUITIZATION, DRILLING, HOLE DESMEAR, HOLE PLATING, PROTECTIVE COATING, AND FINISH OPERATIONS (INSPECTION, TEST, PROFILE AND STOCK). THESE OPERATIONS ARE SIMILAR TO THE PRINTED WIRE BOARD MANUFACTURING.

Building(s): 258

Item 24.6:

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

Emission Unit: T-MSHOP

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF PROCESSES THAT ARE UTILIZED BY THE SITE'S TOOL AND MODEL SHOP/PRECISION ENGINEERING GROUP. THESE PROCESSES ARE USED FOR CRAFTING PRECISION METAL OR PLASTIC PRODUCTION PARTS, MODELS OR SPECIALTY ITEMS. THE PROCESSES INCLUDE INJECTION PRESSES, SOLDER STATIONS, BUFFERS, SANDERS, DRILLS, LATHES AND NUMEROUS OTHER TOOLING PROCESSES.

Building(s): 41
46

Condition 25: Compliance Certification
Effective for entire length of Permit

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Protocol - New Construction of general process emission sources; modifications to existing sources

The owner or operator may install a new general process air contamination source, provided that criteria pollutants, hazardous air pollutants, and pollutants emitted from such device for which an annual guideline concentration (AGC) and/or short term guideline concentration (SGC) exist, meet all of the following conditions:

1. The device will not result in the emission of any A-rated contaminant with an emission rate potential equal



to or greater than 1.0 pound/hr.

2. The device will not result in the emission of any non-VOC contaminant, not given an A-rating, with an emission rate potential equal to or greater than 10 pounds/hr.
3. The device will not result in the emissions of VOC with an emission rate potential in excess of 3.0 pounds per hour.
4. The device shall not emit particulate matter in excess of 0.05 gr/dscf. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.
5. The device shall not cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater, except only the emission of uncombined water. The owner or operator shall conduct emissions testing upon written request of the DEC in accordance with 6 NYCRR 202.
6. The owner or operator must identify all potential pollutants that could be emitted, including A-rated contaminants, hazardous air pollutants, VOCs, and non-VOC pollutants. 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 contaminants that may be A-rated by the Department. All other pollutants are B-rated, unless otherwise rated by the Department.
7. A facility-wide DAR-1 (Air Guide 1) analysis must be completed using the DEC's Air Guide 1 screening software showing that there are no predicted off-site ambient concentrations in excess of the AGC or SGC for each contaminant. This analysis shall include all emissions of such pollutant, facility-wide. The owner or operator shall maintain the results of all DAR-1 analyses on-site for a period of at least five years.
8. If the installation results in the emission of any pollutant not previously authorized or emitted at this site in accordance with this permit, the owner or operator shall submit to the DEC a notice of the intention to install the new air contamination source. Such notice shall be submitted no later than 30 days prior to the proposed installation.
9. When a new emission point, emission source and/or process is proposed to be added, the owner or operator must submit to DEC an application using the format



prescribed by DEC (on forms available from the DEC).

10. The DEC reserves the right to require a permit modification to impose special conditions if DEC determines the proposed change may have a significant air quality impact. In such cases, upon receipt of any notice submitted by the owner or operator to the DEC as required in this permit, the DEC will respond within 15 days of receipt of such notice, and may require that the owner not undertake the proposed change without a permit modification.

11. No facility-wide emissions cap, stated in this permit, shall be exceeded;

12. The installation does not render the facility subject to any additional regulations or requirements; and

13. A summary of all activities conducted under this operational flexibility condition shall be reported to the DEC in the facility's semi-annual monitoring report required pursuant to 6 NYCRR 201-6.5(c)(3). The annual compliance certifications required pursuant to 6 NYCRR 201-6.5(e) shall also (1) include compliance certifications for all devices added pursuant to this condition since permit issuance; (2) include a statement that records are maintained on site documenting that exempt and trivial emissions sources continue to satisfy the criteria of 6 NYCRR 201-3.2 and 3.3, and (3) identify any new equipment that was installed without a permit that was not exempt pursuant to 6 NYCRR 201-3.2 or 3.3 and did not comply with the operational flexibility terms of this condition.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 26: Compliance Certification
Effective for entire length of Permit

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:

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.

As regulated by conditions elsewhere in this permit, emissions of air toxics must not result in predicted ambient concentrations in excess of Annual Guideline Concentrations, Short term Guideline Concentrations, or Interim (Annual or Short Term) Guideline Concentrations. The predicted concentrations are based on models, and are dependent on the mass emission rates. The mass emission rates are generally calculated, and the method of calculation may vary (some may be based on mass balance, chemical useage, or engineering estimates). This condition requires an independent audit of the calculation of the pollutant emission rates.

1. Within 90 days of the effective date of this permit, the owner or operator shall submit to the DEC a protocol for conducting an audit of the calculations. The protocol shall identify the emissions sources or source types to be audited, and shall include, at a minimum, the following selection criteria:

(i) emissions sources for which refined or ISCLT models were used to predict ambient impacts;

(ii) emissions calculations that used a mass balance to estimate emissions;

(iii) emissions estimates that used an assumed control efficiency;

(iv) emission estimates that used engineering judgement;

(v) emissions from a plating operation; and

(vi) emissions from wave soldering.

It is not the intent to review every calculation. The protocol shall propose which source types to review.

2. Within 180 days of the effective date of the permit,



the applicant shall submit to the DEC a report of the independent audit.

3. If the results of the independent audit identify differences in the mass emission rates,

(i) EIT must reassess the applicable requirements (such as the need to model impacts), and

(ii) the scope of the audit may be expanded (to examine more sources or calculations) as directed by the DEC.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 27: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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:

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.

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

Condition 28: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.4(a)

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: 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 90 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.

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



Condition 29: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.4(c)

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 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.

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

Condition 30: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

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: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 31: Compliance Certification
Effective for entire length of Permit

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

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Fuel oil is used at various sites throughout the facility, and is subject to 6 NYCRR 225-1.2(a)(2),



limiting the sulfur content in fuel.

The owner or operator shall not sell, offer for sale, purchase or use any fuel oil which contains sulfur in a quantity exceeding 2.0 % sulfur, by weight. Compliance shall be determined by fuel sampling and analysis, and may be conducted by either the owner, operator or fuel oil supplier. The fuel shall be analyzed according to ASTM Methods specified in EPA Method 19. At least one fuel oil sample must be analyzed per delivery. If the fuel is analyzed by the supplier, the owner or operator must maintain copies of the vendor receipts.

This limit is federally-enforceable. The state-enforceable limit is 1.5 percent sulfur, by weight.

On a semi-annual calendar basis, the owner or operator shall submit to the DEC a report stating whether any fuel oil has been received, and state the results of any fuel oil analyses (if any were conducted). Additionally, if any fuel oil analysis is shown to exceed 1.5 percent sulfur by weight, the owner or operator must submit a report to the DEC within 30 days of receipt of such analysis.

Process Material: FUEL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.0 percent by weight

Reference Test Method: EPA Method 19

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 32: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 226.2

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000000-00-0 VOC

Item 32.2:

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

Condition 33: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 228.3(b)

Item 33.1:

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

Emission Unit: B-25900
Process: 1NC

Emission Unit: B-25900
Process: 2NC

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This process describes the manufacture of prepreg, which is resin impregnated fiberglass fabric. This fabric coating operation is subject to 6 NYCRR 228.3.

The owner or operator shall not engage in the use of these coating devices unless the thermal oxidizer is also operating. The capture and destruction system must achieve an overall removal efficiency of 80 percent of VOC, on a mass basis.

Capture efficiency shall be demonstrated using EPA Method 204. Destruction efficiency shall be determined using EPA Method 18 or 25a. The averaging period shall be at least three hours long, and may be longer depending on process variations.

Emission testing shall be conducted at least once per permit term, and at any other time when so requested by DEC. Emissions testing and reporting shall be conducted according to the time frames specified in 6 NYCRR 202-1.2 and 1.3.



The owner or operator must maintain records of coating and solvent purchase, usage and/or production.

On an calendar year basis, the owner or operator shall submit to the DEC a report stating the results of all emissions testing conducted since the last annual report, if any.

Lower Permit Limit: 80 percent by weight

Reference Test Method: EPA Method 18 or 25a

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 34: Compliance Certification
Effective for entire length of Permit

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

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

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:

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.

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



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

**Condition 35: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-6

Item 35.1:

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

Emission Unit: A-SSEMB

Emission Point: 41004

Height (ft.): 64

NYTMN (km.): 4661.9

Length (in.): 14

NYTME (km.): 413.6

Width (in.): 19

Building: 41

Emission Point: 41175

Height (ft.): 60

NYTMN (km.): 4661.9

Diameter (in.): 26

NYTME (km.): 413.6

Building: 41

Emission Point: 41192

Height (ft.): 75

NYTMN (km.): 4661.9

Length (in.): 19

NYTME (km.): 413.6

Width (in.): 15

Building: 41

Item 35.2:

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

Emission Unit: B-25900

Emission Point: 25901

Height (ft.): 111

NYTMN (km.): 4661.9

Diameter (in.): 30

NYTME (km.): 413.6

Building: 259

Emission Point: 25902

Height (ft.): 111

NYTMN (km.): 4661.9

Diameter (in.): 30

NYTME (km.): 413.6

Building: 259

Emission Point: 25903

Height (ft.): 38

NYTMN (km.): 4661.9

Length (in.): 60

NYTME (km.): 413.6

Width (in.): 48

Building: 259

Emission Point: 25905

Height (ft.): 38

NYTMN (km.): 4661.9

Length (in.): 18

NYTME (km.): 413.6

Width (in.): 10

Building: 259

Emission Point: 25907

Height (ft.): 60

NYTMN (km.): 4661.9

Length (in.): 23

NYTME (km.): 413.6

Width (in.): 18

Building: 259

Emission Point: 25915

Height (ft.): 60

NYTMN (km.): 4661.9

Diameter (in.): 10

NYTME (km.): 413.6

Building: 259

**Item 35.3:**

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

Emission Unit: B-96000

Emission Point: 96005

Height (ft.): 26

NYTMN (km.): 4661.9

Diameter (in.): 8

NYTME (km.): 413.6

Building: 96

Emission Point: 96024

Height (ft.): 35

NYTMN (km.): 4661.9

Length (in.): 20

NYTME (km.): 413.6

Width (in.): 26

Building: 96

Emission Point: 96029

Height (ft.): 40

NYTMN (km.): 4661.9

Diameter (in.): 16

NYTME (km.): 413.6

Building: 96

Item 35.4:

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

Emission Unit: P-WB001

Emission Point: 02008

Height (ft.): 40

NYTMN (km.): 4661.9

Length (in.): 12

NYTME (km.): 413.6

Width (in.): 10

Building: 2

Emission Point: 02010

Height (ft.): 40

NYTMN (km.): 4661.9

Length (in.): 12

NYTME (km.): 413.6

Width (in.): 19

Building: 2

Emission Point: 02016

Height (ft.): 40

NYTMN (km.): 4661.9

Length (in.): 10

NYTME (km.): 413.6

Width (in.): 13

Building: 2

Emission Point: 02021

Height (ft.): 40

NYTMN (km.): 4661.9

Length (in.): 7

NYTME (km.): 413.6

Width (in.): 6

Building: 2

Emission Point: 02024

Height (ft.): 40

NYTMN (km.): 4661.9

Length (in.): 7

NYTME (km.): 413.6

Width (in.): 7

Building: 2

Emission Point: 10025

Height (ft.): 36

NYTMN (km.): 4661.9

Diameter (in.): 6

NYTME (km.): 413.6

Building: 10

Emission Point: 10V02

Height (ft.): 23

NYTMN (km.): 4661.9

Diameter (in.): 10

NYTME (km.): 413.6

Building: 10

Emission Point: 18444

Height (ft.): 99

NYTMN (km.): 4661.9

Diameter (in.): 12

NYTME (km.): 413.6

Building: 18



Emission Point: 18659			
Height (ft.): 99	Length (in.): 32	Width (in.): 30	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18674			
Height (ft.): 99	Diameter (in.): 33		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18680			
Height (ft.): 80	Diameter (in.): 38		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18681			
Height (ft.): 99	Diameter (in.): 22		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18682			
Height (ft.): 99	Diameter (in.): 36		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18683			
Height (ft.): 99	Diameter (in.): 18		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18685			
Height (ft.): 99	Diameter (in.): 28		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18695			
Height (ft.): 99	Diameter (in.): 24		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18V04			
Height (ft.): 84	Diameter (in.): 8		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 18	
Emission Point: 18V05			
Height (ft.): 59	Diameter (in.): 6		
		Building: 18	
Emission Point: 18V06			
Height (ft.): 59	Diameter (in.): 6		
		Building: 18	
Emission Point: 18V07			
Height (ft.): 59	Diameter (in.): 6		
		Building: 18	
Emission Point: 18V08			
Height (ft.): 60	Diameter (in.): 6		
		Building: 18	



Emission Point: 21006		
Height (ft.): 62	Length (in.): 17	Width (in.): 14
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 21
Emission Point: 21029		
Height (ft.): 62	Length (in.): 28	Width (in.): 24
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 21
Emission Point: 21067		
Height (ft.): 58	Length (in.): 13	Width (in.): 19
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 21
Emission Point: 21076		
Height (ft.): 60	Diameter (in.): 8	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 21
Emission Point: 21079		
Height (ft.): 70	Length (in.): 14	Width (in.): 20
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 21
Emission Point: 21086		
Height (ft.): 58	Length (in.): 12	Width (in.): 10
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 21
Emission Point: 41157		
Height (ft.): 70	Diameter (in.): 6	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 41
Emission Point: 41171		
Height (ft.): 67	Length (in.): 36	Width (in.): 24
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 41
Emission Point: 41195		
Height (ft.): 67	Length (in.): 24	Width (in.): 32
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 41
Emission Point: 41V11		
Height (ft.): 65	Diameter (in.): 6	
		Building: 41
Emission Point: 47174		
Height (ft.): 62	Length (in.): 48	Width (in.): 26
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47
Emission Point: 47177		
Height (ft.): 64	Diameter (in.): 8	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47
Emission Point: 47187		
Height (ft.): 92	Length (in.): 26	Width (in.): 26
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47
Emission Point: 47188		



Height (ft.): 93 NYTMN (km.): 4661.9	Length (in.): 22 NYTME (km.): 413.6	Width (in.): 22 Building: 47
Emission Point: 47189 Height (ft.): 93 NYTMN (km.): 4661.9	Length (in.): 27 NYTME (km.): 413.6	Width (in.): 20 Building: 47
Emission Point: 47194 Height (ft.): 100 NYTMN (km.): 4661.9	Length (in.): 22 NYTME (km.): 413.6	Width (in.): 24 Building: 47
Emission Point: 47197 Height (ft.): 97 NYTMN (km.): 4661.9	Diameter (in.): 12 NYTME (km.): 413.6	Building: 47
Emission Point: 47200 Height (ft.): 87 NYTMN (km.): 4661.9	Diameter (in.): 23 NYTME (km.): 413.6	Building: 47
Emission Point: 47204 Height (ft.): 107 NYTMN (km.): 4661.9	Diameter (in.): 42 NYTME (km.): 413.6	Building: 47
Emission Point: 47205 Height (ft.): 87 NYTMN (km.): 4661.9	Diameter (in.): 32 NYTME (km.): 413.6	Building: 47
Emission Point: 47217 Height (ft.): 92 NYTMN (km.): 4661.9	Length (in.): 19 NYTME (km.): 413.6	Width (in.): 17 Building: 47
Emission Point: 47228 Height (ft.): 91 NYTMN (km.): 4661.9	Length (in.): 34 NYTME (km.): 413.6	Width (in.): 16 Building: 47
Emission Point: 47230 Height (ft.): 92 NYTMN (km.): 4661.9	Length (in.): 30 NYTME (km.): 413.6	Width (in.): 24 Building: 47
Emission Point: 47231 Height (ft.): 76 NYTMN (km.): 4661.9	Diameter (in.): 14 NYTME (km.): 413.6	Building: 47
Emission Point: 47234 Height (ft.): 92 NYTMN (km.): 4661.9	Length (in.): 22 NYTME (km.): 413.6	Width (in.): 22 Building: 47
Emission Point: 47242 Height (ft.): 91 NYTMN (km.): 4661.9	Diameter (in.): 12 NYTME (km.): 413.6	Building: 47
Emission Point: 47246 Height (ft.): 76	Length (in.): 22	Width (in.): 16



NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47
Emission Point: 47247		
Height (ft.): 79	Diameter (in.): 12	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47
Emission Point: 53001		
Height (ft.): 47	Length (in.): 19	Width (in.): 16
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 53
Emission Point: 53002		
Height (ft.): 47	Length (in.): 19	Width (in.): 16
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 53
Emission Point: 53003		
Height (ft.): 48	Length (in.): 37	Width (in.): 25
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 53
Emission Point: 53005		
Height (ft.): 16	Diameter (in.): 10	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 53
Emission Point: 53010		
Height (ft.): 43	Length (in.): 17	Width (in.): 11
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 53
Emission Point: 53011		
Height (ft.): 47	Length (in.): 30	Width (in.): 20
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 53
Emission Point: 53012		
Height (ft.): 43	Length (in.): 35	Width (in.): 26
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 53
Emission Point: 53013		
Height (ft.): 40	Diameter (in.): 10	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 53

Item 35.5:

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.): 4661.9	NYTME (km.): 413.6	Building: 258
Emission Point: 25802		
Height (ft.): 120	Diameter (in.): 60	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 258
Emission Point: 25805		
Height (ft.): 120	Diameter (in.): 43	



NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 258
Emission Point: 25807		
Height (ft.): 120	Diameter (in.): 34	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 258
Emission Point: 25808		
Height (ft.): 115	Length (in.): 16	Width (in.): 14
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 258
Emission Point: 25810		
Height (ft.): 115	Diameter (in.): 20	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 258

Item 35.6:

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

Emission Unit: T-MSHOP		
Emission Point: 41144		
Height (ft.): 60	Diameter (in.): 32	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 41

**Condition 36: Process Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-6

Item 36.1:

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: CB106 - Process

Emission Source/Control: CB107 - Process

Emission Source/Control: CB200 - Process

Item 36.2:

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: CE108 - Process

Emission Source/Control: CE200 - Process

Item 36.3:

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 36.4:

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

Emission Unit: B-25900

Process: 004 Source Classification Code: 3-13-065-99

Process Description:

B/259 MANUFACTURING RELATED FUME HOODS AND FLOW PRESS. THE EMISSION SOURCES IN THIS EMISSION UNIT 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: 13854 - Process

Emission Source/Control: 259AA - Process

Item 36.5:

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: 13853 - Process

Emission Source/Control: 20474 - Process

Emission Source/Control: 23343 - Process

Item 36.6:

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

Emission Unit: B-25900

Process: 008

Source Classification Code: 3-13-065-99

Process Description:

B/259 MANUFACTURING RELATED FUME HOODS AND GLOVE BOX. 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: 00685 - Process

Emission Source/Control: 00879 - Process

Emission Source/Control: 14063 - Process

Emission Source/Control: 14065 - Process

Item 36.7:

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

Emission Unit: B-25900

Process: 1NC

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 ASSOICATED THERMAL OXIDIZER #1. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS SUBJECT TO VOC RACT.



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: 13379 - Process

Item 36.8:

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
ASSOCIATED 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 36.9:

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

Item 36.10:

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:



B/96 WASTE TREATMENT OPERATIONS - PACKED TOWER / AIR STRIPPER FOR GROUNDWATER REMEDIATION AND PLANT SOLVENT WATER TREATMENT, INCLUDING ASSOCIATED AIR ABATEMNT SYSTEM (CAU). 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. THIS EMISSION SOURCE IS SUBJECT TO 6 NYCRR 212 VOC RACT.

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

Emission Source/Control: 02350 - Process

Emission Source/Control: MT481 - Process

Item 36.11:

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

Emission Unit: B-96000

Process: F24

Source Classification Code: 3-13-065-99

Process Description:

B/96 WASTE TREATMENT PLANT OPERATIONS, INCLUDING BIO, CHROME, PERSULFATE, AND GENERAL RINSE TREATMENT (INCLUDING ASSOCIATED ABATEMENT SYSTEM (SCRUBBER)). 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: SC024 - Control
Control Type: WET SCRUBBER

Emission Source/Control: MT435 - Process

Emission Source/Control: MT436 - Process

Emission Source/Control: MT438 - Process

Emission Source/Control: MT489 - Process

Item 36.12:

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

Emission Unit: B-96000

Process: LST

Source Classification Code: 3-13-065-99

Process Description:



B/96 WASTE TREATMENT PLANT LIME SLURRY
TANK FOR PH ADJUSTMENT. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS EMIT
SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: MT232 - Process

Emission Source/Control: MT234 - Process

Item 36.13:

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 36.14:

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: AJ106 - Process

Emission Source/Control: AJ107 - Process

Item 36.15:

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

Emission Unit: P-WB001

Process: AK1

Source Classification Code: 3-13-065-99

Process Description:

B/18 ACID COPPER DES LINE (ACL) DEVELOP
AND STRIP SECTIONS ONLY. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS EMIT
B-RATED POLLUTANTS AT AN EMISSION RATE
POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: AK101 - Process

Item 36.16:

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 PROCE SS. 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: AN103 - 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: AN112 - Process

Emission Source/Control: AN113 - Process

Item 36.17:

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 36.18:

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

Emission Source/Control: AQ103 - Process

Item 36.19:

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 36.20:

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

Emission Unit: P-WB001

Process: AS1

Source Classification Code: 3-13-065-99

Process Description:

B/47 TIN-LEAD PLATING LINE. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS EMIT
B-RATED POLLUTANTS AT AN EMISSION RATE
POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: AS101 - Process

Item 36.21:

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

Emission Unit: P-WB001

Process: AT1

Source Classification Code: 3-13-065-99

Process Description:

B/47 BENZYL ALCOHOL STRIPPER, PROPYLENE
CARBONATE DEVELOPER AND ASSOCIATED 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: AT101 - Process

Emission Source/Control: AT103 - Process

Emission Source/Control: AT104 - Process

Emission Source/Control: AT105 - Process

Emission Source/Control: AT106 - Process

Emission Source/Control: AT108 - Process

Item 36.22:

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

Emission Unit: P-WB001

Process: AV1

Source Classification Code: 3-13-065-99

Process Description:



B/47 CUPRIC CHLORIDE ETCHER. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: AV101 - Process

Item 36.23:

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: AW101 - Process

Item 36.24:

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 36.25:

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 36.26:

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

Emission Unit: P-WB001

Process: BA1

Source Classification Code: 3-13-065-99

Process Description:

B/47 ADDITIVE PLATING SUPPORT EQUIPMENT AND ASSOCIATED PROCESS HOODS AND DRYERS. 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: BA101 - Process

Emission Source/Control: BA102 - Process

Item 36.27:

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

Emission Unit: P-WB001

Process: BE1

Source Classification Code: 3-13-065-99

Process Description:

B/47 AMMONIA CAL ETCH LINE SUPPORT TANKS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: BE101 - Process

Emission Source/Control: BE103 - Process

Emission Source/Control: BE104 - Process

Emission Source/Control: MT356 - Process



Item 36.28:

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: BF101 - Process

Emission Source/Control: BF102 - Process

Emission Source/Control: BF107 - Process

Emission Source/Control: BF108 - Process

Emission Source/Control: BF109 - Process

Emission Source/Control: BF110 - Process

Emission Source/Control: BF111 - Process

Emission Source/Control: BF112 - Process

Emission Source/Control: BF113 - Process

Emission Source/Control: BF114 - Process

Item 36.29:

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: BG101 - Process

Emission Source/Control: BG102 - Process

Emission Source/Control: BG105 - Process

Emission Source/Control: BG108 - Process



Item 36.30:

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 36.31:

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

Emission Unit: P-WB001

Process: BI1

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: BI101 - Process

Emission Source/Control: BI102 - Process

Emission Source/Control: BI103 - Process

Emission Source/Control: BI104 - Process

Emission Source/Control: BI105 - Process

Emission Source/Control: BI106 - Process

Emission Source/Control: BI107 - Process

Emission Source/Control: BI108 - Process

Emission Source/Control: BI109 - Process

Emission Source/Control: BI110 - Process

Emission Source/Control: BI111 - Process



Emission Source/Control: BI113 - Process

Emission Source/Control: BI114 - Process

Item 36.32:

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

Emission Unit: P-WB001

Process: BJ1

Source Classification Code: 3-13-065-99

Process Description:

B/47 PROPYLENE CARBONATE DEVELOPER AND STRIPPER. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: BJ101 - Process

Emission Source/Control: BJ102 - Process

Item 36.33:

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

Emission Unit: P-WB001

Process: BP2

Source Classification Code: 3-13-065-00

Process Description:

B/18 CHIP CARRIER BURR REMOVAL 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: BP201 - Process

Emission Source/Control: BP202 - Process

Emission Source/Control: BP203 - Process

Emission Source/Control: BP204 - Process

Item 36.34:

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

Emission Unit: P-WB001

Process: BQ1

Source Classification Code: 3-13-065-00

Process Description:

B/18 PERSULFATE ETCHER AND DEBURR/DESMEAR 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: BQ103 - Process



Emission Source/Control: BQ104 - Process

Emission Source/Control: BQ106 - Process

Item 36.35:

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 36.36:

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

Emission Unit: P-WB001

Process: BY1

Source Classification Code: 3-13-065-00

Process Description:

B/41 OXIDE REMOVE 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: BY101 - Process

Item 36.37:

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: CA103 - Process

Emission Source/Control: CA104 - Process

Emission Source/Control: CA105 - Process

Emission Source/Control: CA109 - Process

Item 36.38:



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 36.39:

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/53 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 36.40:

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/53 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: CO101 - Process

Emission Source/Control: CO102 - Process

Emission Source/Control: CO106 - Process

Emission Source/Control: CO107 - Process

Emission Source/Control: CO110 - Process

Emission Source/Control: CO111 - Process

Emission Source/Control: CO114 - Process

Emission Source/Control: CO115 - Process

Emission Source/Control: CO116 - Process

Emission Source/Control: CO117 - Process

Emission Source/Control: CO118 - Process

Emission Source/Control: CO119 - Process

Emission Source/Control: CO120 - Process

Emission Source/Control: CO121 - Process

Emission Source/Control: CO122 - Process

Item 36.41:

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

Process Description:

B/53 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: CP103 - Process

Emission Source/Control: CP104 - Process

Emission Source/Control: P101A - Process



Emission Source/Control: P101B - Process

Emission Source/Control: P101C - Process

Emission Source/Control: P101D - Process

Emission Source/Control: P101E - Process

Emission Source/Control: P102A - Process

Emission Source/Control: P102B - Process

Emission Source/Control: P102C - Process

Emission Source/Control: P102D - Process

Item 36.42:

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

Emission Unit: P-WB001

Process: CQ1

Source Classification Code: 3-13-065-99

Process Description:

B/53 PANEL DRILL OPERATIONS WITH
ASSOCIATED DUST COLLECTOR. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS EMIT
SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: CQ01B - Control

Control Type: FABRIC FILTER

Emission Source/Control: CQ101 - Process

Emission Source/Control: CQ102 - Process

Emission Source/Control: CQ103 - Process

Emission Source/Control: CQ104 - Process

Emission Source/Control: CQ105 - Process

Item 36.43:

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/53 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: CR101 - Process

Emission Source/Control: CR102 - Process

Emission Source/Control: CR103 - Process

Emission Source/Control: CR104 - Process

Item 36.44:

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

Emission Unit: P-WB001

Process: CS1

Source Classification Code: 3-13-065-99

Process Description:

B/53 CHROME MASK FABRICATION PROCESS AND PROTECTIVE COAT DEVELOPMENT LINE (WITH ASSOCIATED SINKS AND HOODS). 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: CS101 - Process

Emission Source/Control: CS102 - Process

Emission Source/Control: CS103 - Process

Emission Source/Control: CS105 - Process

Emission Source/Control: CS106 - Process

Emission Source/Control: CS107 - Process

Emission Source/Control: CS108 - Process

Item 36.45:

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/53 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: CT111 - Process

Emission Source/Control: CT112 - Process

Emission Source/Control: CT114 - Process

Emission Source/Control: CT115 - Process

Emission Source/Control: CT116 - Process

Emission Source/Control: CT117 - Process

Emission Source/Control: CT118 - Process

Emission Source/Control: CT119 - Process

Emission Source/Control: CT121 - Process

Emission Source/Control: CT122 - Process

Emission Source/Control: CT123 - Process

Emission Source/Control: CT125 - Process

Emission Source/Control: CT127 - Process

Emission Source/Control: CT128 - Process

Emission Source/Control: CT140 - Process

Item 36.46:

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

Emission Unit: P-WB001

Process: CU1

Source Classification Code: 3-13-065-99

Process Description:

B/53 DYNAMOTION DRILL MACHINE. THE
EMISSION SOURCES ASSOCIATED WITH THIS
PROCESS EMIT SOLID PARTICULATES (SUBJECT TO
PART 212).

Emission Source/Control: CU101 - Process

Item 36.47:

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

Emission Unit: P-WB001

Process: CW1

Source Classification Code: 3-13-065-00

Process Description:

B/21 ROBOTIC SILICONE ENCAPSULANT APPLY



AND BAKE 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: CW101 - Process

Emission Source/Control: CW102 - Process

Item 36.48:

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

Emission Unit: P-WB001

Process: DC2

Source Classification Code: 3-13-065-99

Process Description:

B/18 drilling operations and associated dust collection systems. The emission sources associated with this process emit B-rated pollutants at an emission rate less than 10 pounds per hour and solid particulate (subject to Part 212).

Emission Source/Control: DCV04 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DCV06 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DCV07 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DCV08 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DCV05 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC222 - Process

Emission Source/Control: DC333 - Process

Emission Source/Control: DC444 - Process

Emission Source/Control: DC555 - Process

Emission Source/Control: DC556 - Process

Emission Source/Control: DC557 - Process

Emission Source/Control: DC558 - Process

Emission Source/Control: DC777 - Process

Emission Source/Control: DC778 - Process



Emission Source/Control: DC779 - Process

Emission Source/Control: DC780 - Process

Emission Source/Control: DC781 - Process

Emission Source/Control: DC782 - Process

Emission Source/Control: DC783 - Process

Emission Source/Control: DC784 - Process

Item 36.49:

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

Emission Unit: P-WB001

Process: DC6

Source Classification Code: 3-13-065-99

Process Description:

B/41 Static Eliminator and associated dust collector system. The emission sources associated with this process emit B-rated pollutants at an emission rate potential less than 10 pounds per hour and solid particulate (subject to Part 212).

Emission Source/Control: DCV11 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC666 - Process

Item 36.50:

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

Emission Unit: P-WB001

Process: DS1

Source Classification Code: 3-13-065-00

Process Description:

b/10 SPINDLE VACUUM. THE EMISSION SOURCE ASSOCIATED WITH THIS PROCESS EMITS B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS PER HOUR AND SOLID PARTICULATE (SUBJECT TO pART 212).

Emission Source/Control: DCV02 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC111 - Process

Item 36.51:

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

Emission Unit: P-WB001

Process: GK1

Source Classification Code: 3-13-065-99

Process Description:



B/21 FLUX APPLY PROCESS/ SOLDER REFLOW
OVEN 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: GK104 - Process

Item 36.52:

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

Emission Unit: P-WB001

Process: GL1

Source Classification Code: 3-13-065-99

Process Description:

B/21 SOLDER REFLOW APPLY OPERATIONS AND
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: GL102 - Process

Emission Source/Control: GL103 - Process

Emission Source/Control: GL105 - Process

Emission Source/Control: GL106 - Process

Emission Source/Control: GL107 - Process

Emission Source/Control: GL108 - Process

Item 36.53:

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

Emission Unit: P-WB001

Process: GM1

Source Classification Code: 3-13-065-99

Process Description:

B/21 HOLE DRILL OPERATIONS WITH ASSOCIATED
DUST COLLECTORS. THE EMISSION SOURCES
ASSOCIATED WITH THIS PROCESS EMIT SOLID
PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: GM01B - Control
Control Type: FABRIC FILTER

Emission Source/Control: GM101 - Process

Emission Source/Control: GM102 - Process

Emission Source/Control: GM103 - Process

Emission Source/Control: GM104 - Process



Emission Source/Control: GM105 - Process

Emission Source/Control: GM106 - Process

Emission Source/Control: GM107 - Process

Emission Source/Control: GM108 - Process

Item 36.54:

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

Emission Unit: P-WB001

Process: GN1

Source Classification Code: 3-13-065-99

Process Description: B/21 PROCESS SUPPORT OVENS.

Emission Source/Control: GN101 - Process

Emission Source/Control: GN102 - Process

Item 36.55:

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

Emission Unit: P-WB001

Process: GO1

Source Classification Code: 3-13-065-00

Process Description:

B/21 EXTRUSION SCREEN PRINTING OPERATIONS.
THE EMISSION SOURCES ASSOCIATED WITH THIS
PROCESS EMIT B-RATED POLLUTANTS AT AN
EMISSION RATE POTENTIAL LESS THAN 10 POUNDS
PER HOUR.

Emission Source/Control: GO101 - Process

Emission Source/Control: GO102 - Process

Item 36.56:

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

Emission Unit: P-WB001

Process: GQ1

Source Classification Code: 3-13-065-00

Process Description:

B/10 PROFILE LP SCORE TOOL OPERATIONS.
THE EMISSION SOURCES ASSOCIATED WITH THIS
PROCESS EMIT B-RATED POLLUTANTS AT AN
EMISSION RATE POTENTIAL LESS THAN 10 POUNDS
PER HOUR AND SOLID PARTICULATE (SUBJECT TO
pART 212).

Emission Source/Control: GQ101 - Process

Item 36.57:

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 36.58:

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

Item 36.59:

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

Emission Unit: P-WB001

Process: KG1

Source Classification Code: 3-13-065-99

Process Description:

B/18 WASTE TREATMENT (GENERAL RINSE
SYSTEM) TRANSFER TANKS FOR MANUFACTURING
INORGANIC PROCESS WASTES. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS EMIT
B-RATED POLLUTANTS AT AN EMISSION RATE
POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: KG101 - Process

Item 36.60:

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

Emission Unit: P-WB001

Process: LX1

Source Classification Code: 3-13-065-99

Process Description:

B/47 SEED WETLINE 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: LX101 - Process

Emission Source/Control: LX102 - Process

Item 36.61:

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

Emission Unit: P-WB001

Process: PQ1

Source Classification Code: 3-13-065-99

Process Description:

B/02 SOLDER REFLOW OVENS, STENCIL CLEAN
OPERATIONS AND PROCESS SUPPORT OVENS.

Emission Source/Control: PQ101 - Process

Emission Source/Control: PQ102 - Process

Emission Source/Control: PQ103 - Process

Emission Source/Control: PQ104 - Process

Emission Source/Control: PQ105 - Process

Emission Source/Control: PQ106 - Process

Emission Source/Control: PQ107 - Process

Item 36.62:

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

Emission Unit: P-WB001

Process: QQ1

Source Classification Code: 3-13-065-99

Process Description:

B/02 SOLDER PASTE APPLY AND SOLDER REFLOW
AND ADHESIVE CURE OVENS. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS EMIT
SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: QQ101 - Process

Emission Source/Control: QQ103 - Process

Emission Source/Control: QQ104 - Process

Item 36.63:

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

Emission Unit: P-WB001



Process: RQ1 Source Classification Code: 3-13-065-99

Process Description:

B/02 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: RQ101 - Process

Item 36.64:

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: SD102 - Process

Emission Source/Control: SD104 - Process

Item 36.65:

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

Emission Unit: P-WB001

Process: SQ1 Source Classification Code: 3-13-065-99

Process Description: B/02 RESIST COATER (APPLY) AND DRYER.

Emission Source/Control: SQ101 - Process

Item 36.66:

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

Emission Unit: P-WB001

Process: TQ1 Source Classification Code: 3-13-065-99

Process Description:

B/02 SOLDER SPRAY FLUXER. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: TQ101 - Process

Item 36.67:

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 36.68:

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

Emission Unit: P-WB001

Process: XE1

Source Classification Code: 3-13-065-99

Process Description:

B/47 PUMICE MIX OPERATIONS AND TANK AND
ASSOCIATED DUST COLLECTOR. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS EMIT
SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: XE01B - Control
Control Type: FABRIC FILTER

Emission Source/Control: XE101 - Process

Item 36.69:

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: AA108 - Process

Emission Source/Control: AA112 - Process

Emission Source/Control: AA114 - Process

Emission Source/Control: AA117 - Process



Emission Source/Control: AA118 - Process

Emission Source/Control: AA119 - Process

Emission Source/Control: AA120 - Process

Emission Source/Control: AA123 - Process

Emission Source/Control: AA126 - Process

Emission Source/Control: AA150 - Process

Item 36.70:

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: AA303 - Process

Emission Source/Control: AA304 - Process

Emission Source/Control: AA305 - Process

Item 36.71:

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

Emission Unit: R-CABM5

Process: AA4

Source Classification Code: 3-13-065-99

Process Description:

B/258 PHOTSENSITOMETRY OVENS AND FUME
HOOD. THE EMISSION SOURCES ASSOCIATED WITH
THIS PROCESS EMIT B-RATED POLLUTANTS AT AN
EMISSION RATE POTENTIAL LESS THAN 10
POUNDS/HR.

Emission Source/Control: AA404 - Process

Emission Source/Control: AA406 - Process

Emission Source/Control: AA407 - Process

Item 36.72:

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: AB101 - Process

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

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 36.73:

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: AA108 - Process

Emission Source/Control: AE101 - Process

Emission Source/Control: AE104 - Process

Emission Source/Control: AE107 - Process

Emission Source/Control: AE108 - Process

Emission Source/Control: E120B - Process

Emission Source/Control: E120C - Process

Emission Source/Control: E121B - Process

Item 36.74:

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 36.75:

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

Emission Unit: R-CABM5

Process: AG1

Source Classification Code: 3-13-065-99

Process Description:

B/258 CIRCUIT PANEL LAY-UP TABLES AND PUNCH; WITH ASSOCIATED DUST COLLECTOR. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: AG02K - Control
Control Type: FABRIC FILTER



Emission Source/Control: AG102 - Process

Emission Source/Control: AG103 - Process

Emission Source/Control: AG104 - Process

Item 36.76:

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 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

Emission Source/Control: MZ102 - Process

Item 36.77:

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 36.78:

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

Emission Unit: T-MSHOP

Process: DC1

Source Classification Code: 3-13-065-00



Process Description:

PROCESS NAME: EMISSION POINT 46111 -
EMISSION POINT 46111 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: TM102 - Process

Emission Source/Control: TM103 - Process

Emission Source/Control: TM104 - Process

Emission Source/Control: TM105 - Process

Emission Source/Control: TM106 - Process

Emission Source/Control: TM107 - Process

Emission Source/Control: TM108 - Process

Item 36.79:

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

Emission Unit: T-MSHOP

Process: TM1

Source Classification Code: 3-13-065-00

Process Description:

B/41 TOOL AND MODEL SHOP INJECTION MOLDING
PROCESSES, OVENS AND HOODS. THE EMISSION
SOURCES ASSOCIATED WITH THIS PROCESS
B-RATED POLLUTANTS AT AN EMISSION RATE
POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: TM102 - Process

Emission Source/Control: TM103 - Process

Emission Source/Control: TM104 - Process

Emission Source/Control: TM105 - Process

Emission Source/Control: TM106 - Process

Emission Source/Control: TM107 - Process

Emission Source/Control: TM108 - Process

Condition 37: Compliance Certification



Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(i)

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-SSEMB

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Process F15 (emissions exhaust out of EP 41192) uses VOCs in wave solder and cleaning operations. Pollutants emitted include isopropyl alcohol. Emissions are controlled by a carbon adsorption unit.

This process is subject to 6 NYCRR 212.10(c)(4)(i). The owner or operator shall operate this process while operating the capture and control devices, and shall achieve an overall removal efficiency of 81 percent, by mass.

The capture efficiency shall be determined using EPA Method 204. Control device removal efficiency shall be demonstrated using stack testing performed in accordance with promulgated EPA Methods (either RM 18, 25a or 25b), at least one per permit term. If the device operates less than 500 hours per permit term, or if calculated actual emissions are less than 15 TPY, testing shall not be required. Stack tests shall be conducted and reported in accordance with the time frames specified in 6 NYCRR 202-1.2 and 202-1.3.

Alternatively, the owner or operator may determine compliance based on a mass balance, wherein the amount of material used is compared to the amount of material recovered. The averaging period shall be each calendar month period during which the process operated.

The owner or operator shall install devices for monitoring and recording the VOC concentration in the outlet of the control device. Such devices shall be operated at all times that the process is operated, except during periods of instrument quality assurance activities and/or maintenance activities. The owner shall submit to the DEC for approval a quality assurance plan. The monitoring and recording devices must be operated in accordance with such



plan.

Alternatively, the owner or operator shall demonstrate to the DEC how many hours the process can operate before the carbon bed is spent, and keep records of the hours of operation, carbon regeneration and replacement.

The owner or operator must operate this device 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 the device effectively.

On a semi-annual calendar basis, the owner or operator shall submit to the DEC a report stating the following information: the hours of operation for the process and control equipment; identify each period of time during which the process operated without the control device; identify each period during which the control equipment malfunctioned; and the results of any stack test conducted since the last semi-annual report, if any.

Parameter Monitored: VOC

Lower Permit Limit: 81 percent reduction by weight

Reference Test Method: Method 18 or 25a as approved by DEC

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.

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

**Condition 38: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 228.5

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to the pre-preg coating operation.



(a) The owner or operator of any emission source subject to this Part must maintain and, upon request, provide the department's representative with certification from the coating supplier/manufacturer which verifies the parameters used to determine the actual VOC content of the as applied coating, (VOC)a, as defined in section 228.2(b)(11) of this Part, for each coating used at the facility. In addition, purchase, usage and/or production records of the coating material, including solvents, must be maintained in a format acceptable to the commissioner's representative and, upon request, these records must be submitted to the department. Any additional information required to determine compliance with this Part shall be provided to the commissioner's representative in a format acceptable to the representative. Records must be maintained at the facility for a period of five years.

(b) Acceptable analytical methods for determining the volatile content, water content, density, volume of solids and weight of solids of surface coatings are presented in appendix A, method 24, of 40 CFR 60 (see table 1, section 200.9 of this Title).

(c) Where the methods reference in subdivision (b) of this section are not applicable, alternate analytical methods for surface coating may be acceptable, subject to the approval of the commissioner.

(d) Representatives of the Department of Environmental Conservation shall be permitted during reasonable business hours, to obtain coating samples for the purpose of determining compliance with this Part.

On a semi-annual calendar year basis, the owner or operator shall submit to the DEC a report stating whether these records were maintained. Upon the request of the DEC, the owner or operator must submit to the DEC information required to be maintained by this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 228.5(g)



Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to the thermal oxidizers operated on process 1NC and 2NC, exhausting out emission points 25901 and 25902.

The owner or operator must install, operate and periodically calibrate a device to continuously monitor and record the exhaust gas temperature of each thermal oxidizer. The thermal oxidizer must be operated at or above the temperature recorded during the most recent stack test (demonstrating compliance), based on a three hour block average.

On a semi-annual calendar year basis, the owner or operator must submit to the DEC a report stating whether the temperature monitoring and recording devices were operating at all times during the operation of the coating process. Such report must identify those periods of operation where the oxidizer was operated at a temperature below the temperature measured during the most recent compliant stack test.

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 228.10

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC



Item 40.2:

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.

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

Condition 41: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-6.5(b)(1)

Item 41.1:

The Compliance Certification activity will be performed for:



Emission Unit: B-25900
Process: 1NC

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall install, operate and maintain devices for measuring and recording the temperature in the oxidizer chamber.

1. The owner or operator shall operate the thermal oxidizer at all times that coating is applied.
2. The owner or operator shall continuously monitor and record the combustion chamber temperature. Each three hour block average temperature shall be maintained at or above the temperature recorded during the most recent stack test that demonstrated compliance with 6 NYCRR 228.3(b). Three hour block averages shall be computed by summing all one minute temperatures recorded in that period and dividing by the number of readings.
3. An excursion shall be any three block hour average, while the coater is in operation, that is less than the temperature recorded during the most recent compliant stack test.
4. A Quality Improvement Plan shall be prepared and submitted to the DEC no later than 30 days after the occurrence of three excursions in a single semiannual period.
5. Multiple temperature sensing devices may be used. On a semiannual basis, at least one of the temperature sensing devices shall be calibrated against a standard thermometer using boiling water. Alternatively, the accuracy of the temperature sensing device shall be compared against an identical device that is installed in the combustion chamber. If the difference is no less than 25 F, the devices will be deemed accurate.
6. The minimum data availability shall be 90 percent. A valid hour shall include a data obtained over two quarter hour periods.
7. On a semiannual basis, the owner or operator shall submit to the DEC a report stating whether the temperature sensing and recording devices were operating while the coater was operating. The owner or operator shall



identify all periods where the three hour block average was lower than the temperature recorded during the most recent compliant stack test.

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

Condition 42: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-6.5(b)(1)

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 2NC

Item 42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall install, operate and maintain devices for measuring and recording the temperature in the oxidizer chamber.

1. The owner or operator shall operate the thermal oxidizer at all times that coating is applied.
2. The owner or operator shall continuously monitor and record the combustion chamber temperature. Each three hour block average temperature shall be maintained at or above the temperature recorded during the most recent stack test that demonstrated compliance with 6 NYCRR 228.3(b). Three hour block averages shall be computed by summing all one minute temperatures recorded in that period and dividing by the number of readings.
3. An excursion shall be any three block hour average, while the coater is in operation, that is less than the temperature recorded during the most recent compliant stack test.
4. A Quality Improvement Plan shall be prepared and submitted to the DEC no later than 30 days after the occurrence of three excursions in a single semiannual



period.

5. Multiple temperature sensing devices may be used. On a semiannual basis, at least one of the temperature sensing devices shall be calibrated against a standard thermometer using boiling water. Alternatively, the accuracy of the temperature sensing device shall be compared against an identical device that is installed in the combustion chamber. If the difference is no less than 25 F, the devices will be deemed accurate.

6. The minimum data availability shall be 90 percent. A valid hour shall include a data obtained over two quarter hour periods.

7. On a semiannual basis, the owner or operator shall submit to the DEC a report stating whether the temperature sensing and recording devices were operating while the coater was operating. The owner or operator shall identify all periods where the three hour block average was lower than the temperature recorded during the most recent compliant stack test.

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.

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

Condition 43: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.4290, 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 HAP

Item 43.2:

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 achieving no less than a 98 percent organic HAP overall control efficiency;



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 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.

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.

On a semi-annual basis, the owner or operator must submit to the EPA and the DEC the information specified in 40 CFR 63.4311.

Reference Test Method: EPA Method 25, 204
Monitoring Frequency: MONTHLY
Averaging Method: CALENDAR MONTH AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective for entire length of Permit

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



Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 44.2:

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

Condition 45: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.4293(b), 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 HAP

Item 45.2:

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.

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

Condition 46: Compliance Certification
Effective for entire length of Permit

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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Item 46.2:

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.

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

Condition 47: Compliance Certification
Effective for entire length of Permit

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

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 48: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 63.4351, Subpart OOOO

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Initial Compliance Determination

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 98 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: 98 percent

Reference Test Method: EPA Method 25a

Monitoring Frequency: MONTHLY

Averaging Method: CALENDAR MONTH AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 63.4352, Subpart OOOO

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Item 49.2:

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 §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.

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

Condition 50: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.4360, Subpart OOOO

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 50.2:

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.

The minimum destruction efficiency must be at least 98% by weight, and may be required to be greater than 98% to achieve the required overall control efficiency of 98% calculated in accordance with 40 CFR 63.4351.

Lower Permit Limit: 98 percent

Reference Test Method: EPA Method 25a or equivalent approved by DEC

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 51: Compliance Certification
Effective for entire length of Permit



Applicable Federal Requirement: 40CFR 63.4361, Subpart OOOO

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 51.2:

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.

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

Condition 52: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40 CFR 63.4364, Subpart OOOO



Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Process: 2TO

Item 52.2:

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 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.

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



Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(i)

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-96000

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Process CAU (emissions exhaust out of EP 96029) is a carbon adsorption unit that treats the exhaust from a groundwater air stripping column and also the water/VOC stream from carbon adsorption units elsewhere on site.

Pollutants emitted include: methylene chloride, methyl chloroform, freon 113, freon 112, tetrachloroethylene, trichloroethylene, 1,1 dichloroethane, 1,2 dichloroethane, 1,2 dichloroethylene (cis and trans), ethyl benzene, o,m,p xylene, ipa, phenol, ortho-dichlorobenzene, vinyl chloride, Trichloroethane n-butyl acetate, xylene and iso propyl alcohol. Emissions are controlled by a carbon adsorption unit.

This process is subject to 6 NYCRR 212.10(c)(4)(i). The owner or operator shall operate this process while operating the capture and control devices, and shall achieve an overall removal efficiency of 81 percent, by mass.

The capture efficiency shall be determined using EPA Method 204. Control device removal efficiency shall be demonstrated using stack testing performed in accordance with promulgated EPA Methods (either RM 18, 25a or 25b), at least one per permit term. Each test will consist of three runs of at least one hour duration. If the device operates less than 500 hours per permit term, or if calculated actual emissions are less than 15 TPY, testing shall not be required. Stack tests shall be conducted and reported in accordance with the time frames specified in 6 NYCRR 202-1.2 and 202-1.3.

Alternatively, the owner or operator may determine



compliance based on a mass balance, wherein the amount of material used is compared to the amount of material recovered. The averaging period shall be each calendar month period during which the process operated.

The owner or operator shall install devices for monitoring and recording the VOC concentration in the outlet of the control device. Such devices shall be operated at all times that the process is operated, except during periods of instrument quality assurance activities and/or maintenance activities. The owner shall submit to the DEC for approval a quality assurance plan. The monitoring and recording devices must be operated in accordance with such plan.

Alternatively, the owner or operator shall demonstrate to the DEC how many hours the process can operate before the carbon bed is spent, and keep records of the hours of operation, carbon regeneration and replacement.

The owner or operator must operate this device 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 the device effectively.

On a semi-annual calendar basis, the owner or operator shall submit to the DEC a report stating the following information: the hours of operation for the process and control equipment; identify each period of time during which the process operated without the control device; identify each period during which the control equipment malfunctioned; and the results of any stack test conducted since the last semi-annual report, if any.

Lower Permit Limit: 81 percent reduction by weight

Reference Test Method: EPA Method 18

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.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

**Condition 54: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement:ECL 19-0301

Item 54.1:

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

CAS No: 0NY100-00-0

Name: HAP

CAS No: 007446-09-5



Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

**Condition 55: Unavoidable noncompliance and violations
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 201-1.4

Item 55.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.



(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 56: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 211.2

Item 56.1:

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 57: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 212.4(a)

Item 57.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 57.2:

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.

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

Condition 58: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 212.4(a)

Item 58.1:



The Compliance Demonstration activity will be performed for the Facility.

Item 58.2:

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 90 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.

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

Condition 59: Compliance Demonstration
Effective for entire length of Permit

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

Item 59.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 59.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Fuel oil is used at various sites throughout the facility, and is subject to 6 NYCRR 225-1.2(a)(2), limiting the sulfur content in fuel.

The owner or operator shall not sell, offer for sale, purchase or use any fuel oil which contains sulfur in a quantity exceeding 1.5 % sulfur, by weight. Compliance shall be determined by fuel sampling and analysis, and may be conducted by either the owner, operator or fuel oil supplier. The fuel shall be analyzed according to ASTM Methods specified in EPA Method 19. At least one fuel oil sample must be analyzed per delivery. If the fuel is analyzed by the supplier, the owner or operator must maintain copies of the vendor receipts.

This limit is state-enforceable. The federally-enforceable limit is 2.0 percent sulfur, by weight.

On a semi-annual calendar basis, the owner or operator shall submit to the DEC a report stating whether any fuel oil has been received, and state the results of any fuel oil analyses (if any were conducted). Additionally, if any fuel oil analysis is shown to exceed 1.5 percent sulfur by weight, the owner or operator must submit a report to the DEC within 30 days of receipt of such analysis.

Process Material: FUEL

Parameter Monitored: SULFUR CONTENT



Upper Permit Limit: 1.5 percent by weight

Reference Test Method: EPA Method 19

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

New York State Department of Environmental Conservation

Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032

