

New York State Department of Environmental Conservation
Facility DEC ID: 7034600032



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-0346-00032/00209
Mod 0 Effective Date: 01/03/2002 Expiration Date: 01/03/2007
Mod 1 Effective Date: 11/01/2002 Expiration Date: 01/03/2007
Mod 2 Effective Date: 09/30/2003 Expiration Date: 01/03/2007
SAPA Extended Begin Date: 01/05/2007

Permit Issued To: ENDICOTT INTERCONNECT TECHNOLOGIES INC
1701 NORTH STREET
ENDICOTT, NY 13760

Contact: PAUL A SPERANZA
ENDICOTT INTERCONNECT TECHNOLOGIES INC
1701 NORTH ST
ENDICOTT, NY 13760
(607) 755-6179

Facility: ENDICOTT INTERCONNECT TECHNOLOGIES INC
1701 NORTH ST
ENDICOTT, NY 13760

Description:
EIT is modifying the NOx RACT condition in its Title V permit to (1) combust the No. 6 fuel oil stored on-site; (2) thereafter eliminate No. 6 oil on-site; and (3) add No. 2 fuel oil capability. Compliance with NOx RACT will be achieved using a system-wide average while combusting No. 6 oil; thereafter, compliance with NOx RACT will be achieved hourly, as required by 6 NYCRR 227-2.

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 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 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 and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications 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 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

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 1-1.2:

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 1-1.3:



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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 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 2

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.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-2.1:

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.

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Expired by Mod No: 2

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have

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materially changed since the permit was issued.

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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 7
HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(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



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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1701 NORTH STREET
ENDICOTT, NY 13760

Facility: ENDICOTT INTERCONNECT TECHNOLOGIES INC
1701 NORTH ST
ENDICOTT, NY 13760

Authorized Activity By Standard Industrial Classification Code:
3672 - PRINTED CIRCUIT BOARDS

Mod 0 Permit Effective Date: 01/03/2002

Permit Expiration Date: 01/03/2007

Mod 1 Permit Effective Date: 11/01/2002

Permit Expiration Date: 01/03/2007

Mod 2 Permit Effective Date: 09/30/2003

Permit Expiration Date: 01/03/2007

SAPA Extended Begin Date: 01/05/2007



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 2-1 6NYCRR 200.7: Compliance Certification
- 24 6NYCRR 201-6: Emission Unit Definition
- 2-3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 2-4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 2-5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 2-6 6NYCRR 201-6.5(e): Compliance Certification
- 2-2 6NYCRR 201-6.5(f): Compliance Certification
- 29 6NYCRR 201-6.7(d): Compliance Certification
- 31 6NYCRR 202-2.1: Compliance Certification
- 32 6NYCRR 202-2.5: Recordkeeping requirements
- 34 6NYCRR 212.4(a): Compliance Certification
- 35 6NYCRR 212.4(a): Compliance Certification
- 36 6NYCRR 212.4(c): Compliance Certification
- 37 6NYCRR 212.6(a): Compliance Certification
- 39 6NYCRR 225-1.2(a)(2): Compliance Certification
- 40 6NYCRR 226.2: General requirements
- 41 6NYCRR 229.3(e)(2)(v): Compliance Certification
- 2-7 40CFR 68: Accidental release provisions.

Emission Unit Level

- 43 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 44 6NYCRR 201-6: Process Definition By Emission Unit

EU=0-ASSET

- 45 6NYCRR 212.4(c): Compliance Certification
- 46 6NYCRR 228.3(a): Compliance Certification
- 47 6NYCRR 228.4: Compliance Certification
- 48 6NYCRR 228.5: Compliance Certification
- 49 6NYCRR 228.10: Compliance Certification

EU=B-25900

- 50 6NYCRR 228.4: Compliance Certification
- 51 6NYCRR 228.5(g): Compliance Certification
- 52 6NYCRR 228.10: Compliance Certification

EU=B-25900,Proc=1NC

- 53 6NYCRR 228.3(b): Compliance Certification

EU=B-25900,Proc=2NC

- 54 6NYCRR 228.3(b): Compliance Certification

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EU=B-39000

- 2-8 6NYCRR 227-2.4(b): Compliance Certification
- 2-9 6NYCRR 227-2.5(b): Compliance Certification
- 59 40CFR 52.21(c), Subpart a: Compliance Certification
- 60 40CFR 52, Subpart HH: Compliance Certification

EU=B-39000,Proc=OIL

- 61 6NYCRR 227-1.3(a): Compliance Certification
- 62 40CFR 52.21(c), Subpart a: Compliance Certification

EU=B-96000

- 63 6NYCRR 212.10(c)(4)(i): Compliance Certification

EU=U-LCCSP,EP=41192,Proc=BV1

- 64 6NYCRR 212.10(c)(4)(i): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 2-10 ECL 19-0301: Contaminant List
- 65 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 69 6NYCRR 211.2: Air pollution prohibited
- 70 6NYCRR 212.4(a): Compliance Demonstration
- 71 6NYCRR 212.4(a): Compliance Demonstration
- 72 6NYCRR 225-1.2(a)(2): Compliance Demonstration

Emission Unit Level

EU=B-39000

- 73 6NYCRR 227-1.2(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: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

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

Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 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



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Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item F: Recycling and Salvage - 6NYCRR Part 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

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

Item H: 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 I: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject



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to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item K: 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 L: 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 M: 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

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renewal application.

Item N: 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 O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee 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. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Item P: 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 Q: 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 R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as

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may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted facility 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 facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: 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 U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. 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

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or corrective measures adopted.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

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 provisions 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 in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: 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



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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 X: 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



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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 Y: Required Emission Tests - 6 NYCRR Part 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

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

Item AA: Open Fires - 6 NYCRR Part 215

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

Item BB: 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

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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 CC: 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.

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

Condition 2-1: Compliance Certification

Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 200.7

Item 2-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-1.2:

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.

Within 120 days of the effective date of this permit, the owner or operator shall submit to the DEC a plan for

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maintaining the efficiency of the control devices at the facility. Such plan shall include recommended operating ranges for scrubber flow, pH and pressure drop. For fabric filter devices, such plan shall include operating ranges for pressure drop or the use of broken bag detectors.

With 120 days of receipt of this permit (mod 2), the plan shall be modified to explain how, where practical, collected pollutants are recycled and/or salvaged, and how collected pollutants are prevented from being re-introduced into the outside air.

Upon submission of such a plan, and continuing after DEC approval, the owner or operator shall operate the control devices in accordance with the plan.

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 (ANNIVERSARY)

Initial Report Due: 02/01/2004 for the period 09/30/2003 through 01/02/2004

Condition 24: Emission Unit Definition

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 24.1(From Mod 2):

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

Emission Unit: B-39000

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF EIT'S ON-SITE POWERHOUSE AND ASSOCIATED BOILER SYSTEMS THAT ARE USED TO GENERATE PROCESS STEAM/HEAT FOR THE ENTIRE SITE. THIS UNIT CONSISTS OF FOUR "LARGE" BOILERS THAT USE NATURAL GAS AS A PRIMARY FUEL, AND NO.6 FUEL OIL AS AN EMERGENCY BACK-UP FUEL.

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Building(s): 39

Item 24.2(From Mod 0):

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

Emission Unit: 0-ASSET

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF PROCESSES SUPPORTING IBM ENDICOTT'S ASSET REUTILIZATION CENTER (ARC) IN B/46. THE ARC RECEIVES OUTDATED IBM COMPUTER SYSTEMS/PERIPHERALS AND DISMANTLES THE UNITS AND SEGREGATES COMPONENTS TO OPTIMIZE RECYCLING AND REUSE OPPORTUNITIES.

Building(s): 38

Item 24.3(From Mod 0):

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

Emission Unit: 0-BANKS

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF B/46 SUPPORT PROCESSES UTILIZED IN THE ASSEMBLY OF BANKING SYSTEMS (CHECK READERS, SORTERS). PROCESS OPERATIONS INCLUDE NUMEROUS DEGREASING OPERATIONS AND ASSOCIATED SUPPORT HOODS AND OVENS.

Building(s): 46

Item 24.4(From Mod 0):

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

Emission Unit: 0-VIDEO

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF B/32 SUPPORT PROCESSES UTILIZED IN THE MANUFACTURING PROCESS OPERATION ASSOCIATED WITH THE PRODUCTION OF DIGITAL VIDEO PRODUCTS. AT THIS TIME, ALL ACTIVITIES IN THIS EMISSION UNIT ARE TRIVIAL OR EXEMPT.

Building(s): 32

Item 24.5(From Mod 0):

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

Emission Unit: A-SSEMB

Emission Unit Description:



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THIS EMISSION UNIT CONSISTS OF
MANUFACTURING OPERATIONS IN B/46 THAT
SUPPORT THE BACKPANEL ASSEMBLY OPERATIONS.

Building(s): 41
46

Item 24.6(From Mod 0):

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

Emission Unit: B-25900

Emission Unit Description:

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

Building(s): 259
259A

Item 24.7(From Mod 0):

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

Emission Unit: B-96000

Emission Unit Description:

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

Building(s): 96

Item 24.8(From Mod 0):

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

Emission Unit: F-ACILI

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF OPERATIONS

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THAT SUPPORT THE SITE'S MANUFACTURING OPERATIONS, SUCH AS CHEMICAL SUPPLY AND WASTE TANK STORAGE AREAS. THIS UNIT ALSO INCLUDES THE SITE'S EMERGENCY GENERATORS AND MISCELLANEOUS SMALL SITEWIDE BOILER SYSTEMS (WHICH USE EITHER NATURAL GAS OR FUEL OIL). AT THIS TIME, ALL ACTIVITIES IN THIS EMISSION UNIT ARE TRIVIAL OR EXEMPT.

Building(s): 01
101
18
266
267
268
272
273
41
42
83
87
88
95

Item 24.9(From Mod 0):

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

Emission Unit: P-BANDS

Emission Unit Description:

THIS EMISSION UNIT INCLUDES SUPPORT SERVICES IN B/57 THAT SUPPORT THE PRINTBAND PERSONNEL IN THIS BUILDING. THESE OPERATIONS ARE NOT TYPICAL PRODUCT MANUFACTURING OPERATIONS, BUT SUPPORT OPERATIONS SUCH AS REPRODUCTION CENTER OPERATIONS. AT THIS TIME, ALL ACTIVITIES IN THIS EMISSION UNIT ARE TRIVIAL OR EXEMPT.

Building(s): 57

Item 24.10(From Mod 0):

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

Emission Unit: R-CABM1

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF PROCESS EQUIPMENT LOCATED IN B/18 THAT SUPPORTS THE MANUFACTURE OF PRINTED CIRCUIT BOARDS AND CERTAIN LAMINATE CHIP CARRIERS. THESE



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OPERATIONS INCLUDE SURFACE PREPARATION, LAMINATION OF COPPER FOIL/LAYERS, CIRCUITIZATION (INCLUDING PHOTORESIST APPLY, RESIST EXPOSE, RESIST DEVELOP, METAL ETCHING, AND RESIST STRIPPING), DRILLING, HOLE DESMEAR, HOLE PLATING, PROTECTIVE COATING SEQUENCE (SOLDERMASK APPLY, EXPOSE, DEVELOP AND CURE), AND FINISH OPERATIONS (PAD PLATING VIA TIN/LEAD GOLD, INSPECTION, TEST, PROFILE AND STOCK).

Building(s): 18

Item 24.11(From Mod 0):

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

Emission Unit: R-CABM2

Emission Unit Description:

THIS EMISSION CONSISTS OF PROCESS EQUIPMENT LOCATED IN B/41 THAT SUPPORTS THE MANUFACTURE OF PRINTED CIRCUIT BOARDS. THESE OPERATIONS INLCUDE SURFACE PREPARATION, LAMINATION OF COPPER FOIL/LAYERS, CIRCUITIZATION (INCLUDING PHOTORESIST APPLY, RESIST EXPOSE , RESIST DEVELOP, METAL ETCHING, AND RESIST STRIPPING), DRILLING, HOLE DESMEAR, HOLE PLATING, PROTECTIVE COATING SEQUENCE (SOLDERMASK APPLY, EXPOSE, DEVELOP AND CURE), AND FINISH OPERATIONS (PAD PLATING VIA TIN/LEAD GOLD, INSPECTION, TEST, PROFILE AND STO CK).

Building(s): 41

Item 24.12(From Mod 0):

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

Emission Unit: R-CABM3

Emission Unit Description:

THIS EMISSION CONSISTS OF PROCESS EQUIPMENT LOCATED IN B/47 THAT SUPPORTS THE MANUFACTURE OF PRINTED CIRCUIT BOARDS. THESE OPERATIONS INCLUDE SURFACE PREPARATION, LAMINATION OF COPPER FOIL/LAYERS, CIRCUITIZATION (INCLUDING PHOTORESIST APPLY, RESIST EXPOSE , RESIST DEVELOP, METAL ETCHING, AND RESIST STRIPPING), DRILLING, HOLE DESMEAR, HOLE



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PLATING, PROTECTIVE COATING SEQUENCE (SOLDERMASK APPLY, EXPOSE, DEVELOP AND CURE), AND FINISH OPERATIONS (PAD PLATING VIA TIN/LEAD GOLD, INSPECTION, TEST, PROFILE AND STOCK).

Building(s): 47

Item 24.13(From Mod 0):

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

Emission Unit: R-CABM4

Emission Unit Description:

THIS EMISSION CONSISTS OF PROCESS EQUIPMENT LOCATED IN BUILDINGS 2,4,14,21,26 AND 53 THAT SUPPORTS THE MANUFACTURE OF PRINTED CIRCUIT BOARDS. THESE OPERATIONS INCLUDE SURFACE PREPARATION, LAMINATION OF COPPER FOIL/LAYERS, CIRCUITIZATION (INCLUDING PHOTORESIST APPLY, RESIST EXPOSE, RESIST DEVELOP, METAL ETCHING, AND RESIST STRIPPING), DRILLING, HOLE DESMEAR, HOLE PLATING, PROTECTIVE COATING SEQUENCE (SOLDERMASK APPLY, EXPOSE, DEVELOP AND CURE), AND FINISH OPERATIONS (PAD PLATING VIA TIN/LEAD GOLD, INSPECTION, TEST, PROFILE AND STOCK).

Building(s): 2
21
53

Item 24.14(From Mod 0):

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

Emission Unit: R-CABM5

Emission Unit Description:

THIS EMISSION CONSISTS OF PROCESS EQUIPMENT LOCATED IN B/258 THAT SUPPORTS THE MANUFACTURE OF PRINTED CIRCUIT BOARDS (BLUE DEVIL PRODUCT). THESE OPERATIONS INCLUDE SURFACE PREPARATION, LAMINATION OF COPPER FOIL/LAYERS, CIRCUITIZATION (INCLUDING PHOTORESIST APPLY, RESIST EXPOSE, RESIST DEVELOP, METAL ETCHING, AND RESIST STRIPPING), DRILLING, HOLE DESMEAR, HOLE PLATING, PROTECTIVE COATING SEQUENCE (SOLDERMASK APPLY, EXPOSE, DEVELOP AND CURE), AND FINISH OPERATIONS (PAD PLATING

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VIA TIN/LEAD GOLD, INSPECTION, TEST, PROFILE AND STOCK). THIS EMISSION ALSO CONTAINS FLEX CONNECTOR MANUFACTURING SOURCES OF IBM'S ON-SITE VENDOR INTERNATIONAL FLEX TECHNOLOGY (IFT).

Building(s): 258

Item 24.15(From Mod 0):

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 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

Item 24.16(From Mod 0):

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

Emission Unit: U-LCCSP

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF B/18, B/21 AND B/41 MANUFACTURING PROCESSES USED IN THE PRODUCTION OF LAMINATE CHIP CARRIERS. THESE OPERATIONS INCLUDE SURFACE PREPARATION, LAMINATION, CIRCUITIZATION (INCLUDING PHOTORESIST APPLY, RESIST EXPOSE, RESIST DEVELOP, METAL ETCHING AND RESIST STRIPPING), DRILLING, HOLE DESMEAR, HOLE PLATING, AND FINISH OPERATIONS.

Building(s): 18
21
41

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

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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 2-3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 09/30/2003 and Permit Expiration Date**

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

Item 2-3.1:

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 2-4: Monitoring, Related Recordkeeping, and Reporting
Requirements.
Effective between the dates of 09/30/2003 and Permit Expiration Date**

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

Item 2-4.1:

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 2-5: Compliance Certification
Effective between the dates of 09/30/2003 and Permit Expiration Date**

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



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Item 2-5.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-5.2:

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.

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(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

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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.
The initial report is due 1/30/2004.
Subsequent reports are due every 6 calendar month(s).

Condition 2-6: Compliance Certification
Effective between the dates of 09/30/2003 and Permit Expiration Date

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

Item 2-6.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-6.2:

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

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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

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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 1/30/2003.
Subsequent reports are due on the same day each year

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

Condition 2-2: Compliance Certification
Effective between the dates of 09/30/2003 and Permit Expiration Date

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

Item 2-2.1:
The Compliance Certification activity will be performed for the Facility.

Item 2-2.2:
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

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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

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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.



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The initial report is due 1/30/2004.

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

Condition 29: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6.7(d)

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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Background:

EPA is required to promulgate NESHAP standards for each source category by certain statutory dates. In the event that EPA fails to promulgate such NESHAPs, Section 112(j) of the Clean Air Act requires states to implement a case-by-case MACT for such categories. The regulations implementing Section 221(j) of the Act are found at 40 CFR Part 63, Subpart B, specifically, §§63.50-63.56. The owner or a major source in such category is to submit to the DEC an application for a significant permit modification within 18 months of EPA's failure to promulgate such standard. Compliance with the MACT provision shall not be later than three years after issuance of the permit.

IBM has three such source categories at its Endicott, NY facility: Fabric Coating (for which Part 63 Subpart OOOO is reserved); Miscellaneous Metal Parts and products (Subpart MMMM); and the boiler house (Subpart DDDDD). IBM Must Comply with the following:

1. Within one year of the effective date of this permit, except as provided in items 4, 5 or 6 below, submit to the DEC an application for a significant permit modification to implement case-by-case MACT for the miscellaneous metal parts and products paint spray booths (process CY1); the power house (process OIL); and the pre-preg treater towers (processes 1NC and 2NC).
2. Such permit application shall contain a MACT

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Application, as specified in 40 CFR Section 63.53 and Section 63.55.

3. Within three years of the effective date of this permit, the owner or operator shall comply with the provisions of the MACT application.
4. If EPA publishes a notice in the Federal Register regarding an extension of the CAA Section 112(j) deadline, then compliance with this condition will be delayed accordingly.
5. If EPA publishes a notice in the Federal Register withdrawing any of these source categories from the list for which a NESHAPS is required, then this condition will cease to apply.
6. If EPA promulgates a NESHAPS for one or more of these source categories, the provisions of 40 CFR 63.56 will apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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 31: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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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 32: Recordkeeping requirements

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 32.1:

(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.

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

Condition 34: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Several emission sources at IBM Endicott emit A-rated contaminants, non-A-rated contaminants or both. This

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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 and

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

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.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 35: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

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 IBM Endicott emit A-rated contaminants, non-A-rated contaminants or both. 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



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protocol, the owner or operator shall submit to the DEC a report describing the results of ambient impact analysis.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 36: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

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 IBM Endicott emit solid particulates.

This condition is applicable to all such devices.

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

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

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

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: .05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 37: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 37.1:

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The Compliance Certification activity will be performed for the Facility.

Item 37.2:

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 IBM Endicott 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

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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.

The initial report is due 7/30/2002.

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

Condition 39: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

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

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 39.2:

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



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facility, and is subject to 6 NYCRR 225-1.2(a)(2), limiting the sulfur content in fuel. (Fuel oil burned in Boilers 1 - 4 is governed by a separate condition).

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.

The initial report is due 7/30/2002.

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

Condition 40: General requirements

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 226.2

Item 40.1:

No person shall conduct solvent metal cleaning unless:

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- (1) Solvent is stored in covered containers and waste solvent is transferred or disposed of in such a manner that less than 20 percent of the waste solvent, by weight, can evaporate into the atmosphere;
- (2) Equipment used in solvent metal cleaning is maintained to minimize leaks and fugitive emissions;
- (3) Equipment used in solvent metal cleaning displays a conspicuous summary of proper operating procedures consistent with minimizing emissions of volatile organic compounds; and
- (4) Equipment covers are closed when the solvent metal cleaning unit is not in service.
- (5) A record of solvent consumption shall be maintained for each year and made available to the commissioner or his representative upon request.

Condition 41: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

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

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 41.2:

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)



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

**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 2-7: Accidental release provisions.
Effective between the dates of 09/30/2003 and Permit Expiration Date**

Applicable Federal Requirement: 40CFR 68

Item 2-7.1:

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 (if not previously submitted) one of the following if such quantities are present at the time of permit issuance:
 - 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:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866
ATTN: Accidental Release Program contact

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



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

**Condition 43: Emission Point Definition By Emission Unit
Effective between the dates of 01/03/2002 and Permit Expiration Date**

Applicable Federal Requirement: 6NYCRR 201-6

Item 43.1(From Mod 0):

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

Emission Unit: 0-ASSET

Emission Point: 38007

Height (ft.): 87

Diameter (in.): 20

NYTMN (km.): 4661.9

NYTME (km.): 413.6

Building: 38

Emission Point: 38008

Height (ft.): 86

Diameter (in.): 34

NYTMN (km.): 4661.9

NYTME (km.): 413.6

Building: 38

Emission Point: 38010

Height (ft.): 88

Length (in.): 28

Width (in.): 25

NYTMN (km.): 4661.9

NYTME (km.): 413.6

Building: 38

Item 43.2(From Mod 0):

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

Emission Unit: 0-BANKS

Emission Point: 46147

Height (ft.): 79

Diameter (in.): 8

NYTMN (km.): 4661.9

NYTME (km.): 413.6

Building: 46

Item 43.3(From Mod 0):

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

Emission Unit: A-SSEMB

Emission Point: 41004

Height (ft.): 64

Length (in.): 14

Width (in.): 19

NYTMN (km.): 4661.9

NYTME (km.): 413.6

Building: 41

Emission Point: 41175

Height (ft.): 60

Diameter (in.): 26



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NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 41

Item 43.4(From Mod 0):

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

Emission Unit: B-25900

Emission Point: 25901

Height (ft.): 111 Diameter (in.): 30
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 259

Emission Point: 25902

Height (ft.): 111 Diameter (in.): 30
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 259

Emission Point: 25903

Height (ft.): 38 Length (in.): 60 Width (in.): 48
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 259

Emission Point: 25905

Height (ft.): 38 Length (in.): 18 Width (in.): 10
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 259

Emission Point: 25907

Height (ft.): 60 Length (in.): 23 Width (in.): 18
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 259

Emission Point: 25915

Height (ft.): 60 Diameter (in.): 10
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 259

Item 43.5(From Mod 0):

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

Emission Unit: B-39000

Emission Point: 39001

Height (ft.): 90 Diameter (in.): 54
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 39

Emission Point: 39002

Height (ft.): 90 Diameter (in.): 54
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 39

Emission Point: 39003

Height (ft.): 90 Diameter (in.): 54
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 39



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Emission Point: 39004
Height (ft.): 90 Diameter (in.): 54
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 39

Item 43.6(From Mod 0):

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

Emission Unit: B-96000

Emission Point: 96004
Height (ft.): 15 Diameter (in.): 8
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 96

Emission Point: 96005
Height (ft.): 15 Diameter (in.): 8
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 96

Emission Point: 96024
Height (ft.): 35 Length (in.): 18 Width (in.): 24
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 96

Emission Point: 96029
Height (ft.): 40 Diameter (in.): 16
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 96

Item 43.7(From Mod 0):

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

Emission Unit: R-CABM1

Emission Point: 18444
Height (ft.): 99 Diameter (in.): 12
NYTMN (km.): 4661.9 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: 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



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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: 18690
Height (ft.): 99 Diameter (in.): 28
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 18

Emission Point: 18691
Height (ft.): 99 Diameter (in.): 36
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 18

Emission Point: 18692
Height (ft.): 99 Diameter (in.): 36
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

Item 43.8(From Mod 0):

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

Emission Unit: R-CABM2

Emission Point: 41171
Height (ft.): 67 Length (in.): 36 Width (in.): 24
NYTMN (km.): 4661.9 NYTME (km.): 413.6 Building: 41

Item 43.9(From Mod 0):

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

Emission Unit: R-CABM3

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



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Height (ft.): 92 NYTMN (km.): 4661.9	Length (in.): 26 NYTME (km.): 413.6	Width (in.): 26 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	Length (in.): 12 NYTME (km.): 413.6	Width (in.): 6 Building: 47
Emission Point: 47200 Height (ft.): 87 NYTMN (km.): 4661.9	Diameter (in.): 23 NYTME (km.): 413.6	Building: 47
Emission Point: 47201 Height (ft.): 72 NYTMN (km.): 4661.9	Diameter (in.): 38 NYTME (km.): 413.6	Building: 47
Emission Point: 47203 Height (ft.): 87 NYTMN (km.): 4661.9	Diameter (in.): 34 NYTME (km.): 413.6	Building: 47
Emission Point: 47204 Height (ft.): 87 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: 47209 Height (ft.): 87 NYTMN (km.): 4661.9	Diameter (in.): 48 NYTME (km.): 413.6	Building: 47
Emission Point: 47217 Height (ft.): 92 NYTMN (km.): 4661.9	Diameter (in.): 14 NYTME (km.): 413.6	Building: 47



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Emission Point: 47228			
Height (ft.): 91	Length (in.): 34	Width (in.): 16	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47	
Emission Point: 47230			
Height (ft.): 92	Length (in.): 30	Width (in.): 24	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47	
Emission Point: 47231			
Height (ft.): 76	Diameter (in.): 14		
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47	
Emission Point: 47234			
Height (ft.): 92	Length (in.): 22	Width (in.): 22	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 47	
Emission Point: 47242			
Height (ft.): 91	Diameter (in.): 12		
NYTMN (km.): 4661.9	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	

Item 43.10(From Mod 0):

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

Emission Unit: R-CABM4			
Emission Point: 02008			
Height (ft.): 40	Length (in.): 12	Width (in.): 10	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 2	
Emission Point: 02010			
Height (ft.): 40	Length (in.): 12	Width (in.): 19	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 2	
Emission Point: 02016			
Height (ft.): 40	Length (in.): 10	Width (in.): 13	
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 2	
Emission Point: 02021			
Height (ft.): 40	Length (in.): 7	Width (in.): 6	



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NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 2
Emission Point: 02024		
Height (ft.): 40	Length (in.): 7	Width (in.): 7
NYTMN (km.): 4661.9	NYTME (km.): 413.6	Building: 2
Emission Point: 21029		
Height (ft.): 62	Length (in.): 28	Width (in.): 24
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.): 40	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: 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		



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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 43.11(From Mod 0):

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 43.12(From Mod 0):

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

Item 43.13(From Mod 0):

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

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Emission Unit: U-LCCSP

Emission Point: 18674

Height (ft.): 78

NYTMN (km.): 4661.9

Diameter (in.): 33

NYTME (km.): 413.6

Building: 18

Emission Point: 18680

Height (ft.): 99

NYTMN (km.): 4661.9

Diameter (in.): 38

NYTME (km.): 413.6

Building: 18

Emission Point: 21006

Height (ft.): 62

NYTMN (km.): 4661.9

Length (in.): 17

NYTME (km.): 413.6

Width (in.): 14

Building: 21

Emission Point: 41149

Height (ft.): 52

NYTMN (km.): 4661.9

Diameter (in.): 30

NYTME (km.): 413.6

Building: 41

Emission Point: 41157

Height (ft.): 70

NYTMN (km.): 4661.9

Diameter (in.): 6

NYTME (km.): 413.6

Building: 41

Emission Point: 41158

Height (ft.): 85

NYTMN (km.): 4661.9

Diameter (in.): 24

NYTME (km.): 413.6

Building: 41

Emission Point: 41159

Height (ft.): 85

NYTMN (km.): 4661.9

Diameter (in.): 24

NYTME (km.): 413.6

Building: 41

Emission Point: 41192

Height (ft.): 70

NYTMN (km.): 4661.9

Diameter (in.): 30

NYTME (km.): 413.6

Building: 41

Emission Point: 41195

Height (ft.): 61

NYTMN (km.): 4661.9

Length (in.): 24

NYTME (km.): 413.6

Width (in.): 32

Building: 41

Condition 44: Process Definition By Emission Unit

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 44.1(From Mod 2):

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



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Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032

Emission Unit: B-39000

Process: GAS

Source Classification Code: 1-02-006-01

Process Description:

B/39 POWERHOUSE OPERATIONS - FOUR LARGE
BOILERS OPERATING WITH NATURAL GAS.

Emission Source/Control: S3901 - Combustion

Design Capacity: 149.2 pounds per year

Emission Source/Control: S3902 - Combustion

Design Capacity: 149.2 pounds per year

Emission Source/Control: S3903 - Combustion

Design Capacity: 149.2 pounds per year

Emission Source/Control: S3904 - Combustion

Design Capacity: 156.1 pounds per year

Item 44.2(From Mod 2):

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

Emission Unit: B-39000

Process: OIL

Source Classification Code: 1-02-006-01

Process Description:

B/39 POWERHOUSE OPERATIONS - FOUR LARGE
BOILERS OPERATING WITH FUEL OIL.

Emission Source/Control: S3901 - Combustion

Design Capacity: 149.2 pounds per year

Emission Source/Control: S3902 - Combustion

Design Capacity: 149.2 pounds per year

Emission Source/Control: S3903 - Combustion

Design Capacity: 149.2 pounds per year

Emission Source/Control: S3904 - Combustion

Design Capacity: 156.1 pounds per year

Item 44.3(From Mod 0):

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

Emission Unit: 0-ASSET

Process: CY1

Source Classification Code: 3-13-065-99

Process Description:

B/38 PAINT SPRAY BOOTH OPERATIONS
UTILIZING WATER-BASED OR LOW VOLUME



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Facility DEC ID: 7034600032

SOLVENT-BASED COATINGS (PART 228 COMPLIANT COATINGS). THE EMISSION SOURCES IN THIS EMISSION UNIT EMIT B-RATED POLLUTANTS, SUBJECT TO 6 NYCRR 228, AND SOLID PARTICULATE MATTER, SUBJECT TO 6 NYCRR 212.4(C).

Emission Source/Control: CY101 - Process

Emission Source/Control: CY102 - Process

Emission Source/Control: CY103 - Process

Item 44.4(From Mod 0):

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

Emission Unit: 0-BANKS

Process: DF1

Source Classification Code: 3-13-065-00

Process Description:

B/46 BANKING SYSTEM SUPPORT OPERATIONS, INCLUDING DEGREASING HOODS AND OVENS. THE EMISSION SOURCES IN THIS EMISSION UNIT EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: DF101 - Process

Emission Source/Control: DF102 - Process

Emission Source/Control: DF103 - Process

Emission Source/Control: DF104 - Process

Emission Source/Control: DF105 - Process

Emission Source/Control: DF106 - Process

Item 44.5(From Mod 0):

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:

Backpanel assembly operations. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10



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POUNDS/HR.

Emission Source/Control: CB101 - Process

Emission Source/Control: CB102 - Process

Emission Source/Control: CB104 - Process

Emission Source/Control: CB106 - Process

Emission Source/Control: CB107 - Process

Item 44.6(From Mod 0):

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:

Backpanel 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

Item 44.7(From Mod 0):

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 44.8(From Mod 0):

New York State Department of Environmental Conservation

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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 44.9(From Mod 0):

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 44.10(From Mod 0):

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

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Facility DEC ID: 7034600032



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.

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

Emission Source/Control: 13379 - Process

Item 44.11(From Mod 0):

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

Emission Unit: B-25900

Process: 2NC

Source Classification Code: 4-02-030-01

Process Description:

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

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

Emission Source/Control: 13380 - Process

Item 44.12(From Mod 0):

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



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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 44.13(From Mod 0):

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 44.14(From Mod 0):

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

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SOURCES ASSOCIATED WITH THIS PROCESS EMIT
SOLID PARTICULATES (SUBJECT TO PART 212).

Emission Source/Control: MT232 - Process

Emission Source/Control: MT234 - Process

Item 44.15(From Mod 0):

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

Emission Unit: R-CABM1

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 44.16(From Mod 0):

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

Emission Unit: R-CABM1

Process: AJ1

Source Classification Code: 3-13-065-99

Process Description:

B/18 COPPER FOIL LAMINATION PROCESSES AND
ASSOCIATED PRECLEAN PROCESSES. THE EMISSION



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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

Item 44.17(From Mod 0):

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

Emission Unit: R-CABM1

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 44.18(From Mod 0):

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

Emission Unit: R-CABM1

Process: AL1

Source Classification Code: 3-13-065-99

Process Description:

B/18 ACID COPPER PLATING LINE AND
ASSOCIATED AIR ABATEMENT SYSTEM (SCRUBBER)
(EXHAUST HALF OF PROCESS). 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: ALO1S - Control

Control Type: WET SCRUBBER

Emission Source/Control: AL101 - Process

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Item 44.19(From Mod 0):

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

Emission Unit: R-CABM1

Process: AM1

Source Classification Code: 3-13-065-99

Process Description:

B/18 ACID COPPER PLATING LINE AND ASSOCIATED AIR ABATEMENT SYSTEM (SCRUBBER) (EXHAUST SECOND HALF OF PROCESS AL1). THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS WITH 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: AMO1S - Control

Control Type: WET SCRUBBER

Emission Source/Control: AM101 - Process

Item 44.20(From Mod 0):

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

Emission Unit: R-CABM1

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



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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 44.21(From Mod 0):

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

Emission Unit: R-CABM1

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 44.22(From Mod 0):

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

Emission Unit: R-CABM1

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

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B-RATED POLLUTANTS AT AN EMISSION RATE
POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: KG101 - Process

Item 44.23(From Mod 0):

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

Emission Unit: R-CABM1

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 44.24(From Mod 0):

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

Emission Unit: R-CABM1

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 44.25(From Mod 0):

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

Emission Unit: R-CABM2

Process: CH1

Source Classification Code: 3-13-065-99



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Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032

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 44.26(From Mod 0):

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

Emission Unit: R-CABM3

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 44.27(From Mod 0):

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

Emission Unit: R-CABM3

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.



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Emission Source/Control: AQ101 - Process

Emission Source/Control: AQ103 - Process

Item 44.28(From Mod 0):

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

Emission Unit: R-CABM3

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 44.29(From Mod 0):

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

Emission Unit: R-CABM3

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 44.30(From Mod 0):

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

Emission Unit: R-CABM3

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

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Emission Source/Control: AT104 - Process

Emission Source/Control: AT105 - Process

Emission Source/Control: AT106 - Process

Emission Source/Control: AT108 - Process

Item 44.31(From Mod 0):

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

Emission Unit: R-CABM3

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 44.32(From Mod 0):

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

Emission Unit: R-CABM3

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 44.33(From Mod 0):

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



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Facility DEC ID: 7034600032

Emission Unit: R-CABM3

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: AX01S - Control

Control Type: WET SCRUBBER

Emission Source/Control: AX101 - Process

Emission Source/Control: AX102 - Process

Emission Source/Control: AX103 - Process

Item 44.34(From Mod 0):

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

Emission Unit: R-CABM3

Process: AY1

Source Classification Code: 3-13-065-99

Process Description:

B/47 ADDITIVE PLATING PROCESS AND
STRIPLING SUPPORT PROCESSES 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: AY02S - Control

Control Type: WET SCRUBBER

Emission Source/Control: AY102 - Process

Emission Source/Control: AY103 - Process

Emission Source/Control: AY104 - Process

Item 44.35(From Mod 0):

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

Emission Unit: R-CABM3

Process: AZ1

Source Classification Code: 3-13-065-99

Process Description:

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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 44.36(From Mod 0):

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

Emission Unit: R-CABM3

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 44.37(From Mod 0):

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

Emission Unit: R-CABM3

Process: BB1

Source Classification Code: 3-13-065-99

Process Description:

B/47 EAST AND WEST ADDITIVE PLATING LINES 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, B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT

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Emission Source/Control: BB101 - Process

Emission Source/Control: BB102 - Process

Emission Source/Control: BB103 - Process

Emission Source/Control: BB104 - Process

Item 44.38(From Mod 0):

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

Emission Unit: R-CABM3

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 44.39(From Mod 0):

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

Emission Unit: R-CABM3

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



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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 44.40(From Mod 0):

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

Emission Unit: R-CABM3

Process: BG1

Source Classification Code: 3-13-065-99

Process Description:

B/47 AMMONIA ETCH LINE, AQUEOUS DEVELOPER;
SEMI-AQUEOUS DEVELOPER, BORDER ETCH LINE
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: BG103 - Process

Emission Source/Control: BG104 - Process

Emission Source/Control: BG105 - Process

Item 44.41(From Mod 0):

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

Emission Unit: R-CABM3

Process: BH1

Source Classification Code: 3-13-065-99

Process Description:

B/47 PLASMA ETCHERS #1 AND #2. THE
EMISSION SOURCES ASSOCIATED WITH THIS



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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 44.42(From Mod 0):

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

Emission Unit: R-CABM3

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

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Item 44.43(From Mod 0):

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

Emission Unit: R-CABM3

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 44.44(From Mod 0):

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

Emission Unit: R-CABM3

Process: JD1

Source Classification Code: 3-13-065-99

Process Description: B/47 LAMINATOR.

Emission Source/Control: JD101 - Process

Item 44.45(From Mod 0):

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

Emission Unit: R-CABM3

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 44.46(From Mod 0):

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

Emission Unit: R-CABM3

Process: XE1

Source Classification Code: 3-13-065-99

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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 44.47(From Mod 0):

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

Emission Unit: R-CABM4

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

Emission Source/Control: CN104 - Process

Item 44.48(From Mod 0):

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

Emission Unit: R-CABM4

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

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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: CO105 - 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 44.49(From Mod 0):

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

Emission Unit: R-CABM4

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.

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Emission Source/Control: CP102 - Process

Emission Source/Control: CP103 - 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 44.50(From Mod 0):

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

Emission Unit: R-CABM4

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

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Item 44.51(From Mod 0):

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

Emission Unit: R-CABM4

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 44.52(From Mod 0):

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

Emission Unit: R-CABM4

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

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Emission Source/Control: CS108 - Process

Item 44.53(From Mod 0):

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

Emission Unit: R-CABM4

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: CT113 - 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



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Emission Source/Control: CT126 - Process

Emission Source/Control: CT127 - Process

Emission Source/Control: CT128 - Process

Item 44.54(From Mod 0):

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

Emission Unit: R-CABM4

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 44.55(From Mod 0):

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

Emission Unit: R-CABM4

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: GK103 - Process

Item 44.56(From Mod 0):

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

Emission Unit: R-CABM4

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: GL101 - Process



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Emission Source/Control: GL102 - Process

Emission Source/Control: GL103 - Process

Item 44.57(From Mod 0):

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

Emission Unit: R-CABM4

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 44.58(From Mod 0):

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

Emission Unit: R-CABM4

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 44.59(From Mod 0):

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

New York State Department of Environmental Conservation

Permit ID: 7-0346-00032/00209

Facility DEC ID: 7034600032



Emission Unit: R-CABM4

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 44.60(From Mod 0):

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

Emission Unit: R-CABM4

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: QQ102 - Process

Emission Source/Control: QQ103 - Process

Item 44.61(From Mod 0):

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

Emission Unit: R-CABM4

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



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POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: RQ101 - Process

Item 44.62(From Mod 0):

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

Emission Unit: R-CABM4

Process: SQ1

Source Classification Code: 3-13-065-99

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

Emission Source/Control: SQ101 - Process

Item 44.63(From Mod 0):

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

Emission Unit: R-CABM4

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 44.64(From Mod 0):

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, SPRAY HOODS, 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: AA106 - Process

Emission Source/Control: AA108 - Process

Emission Source/Control: AA112 - Process



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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: AA128 - Process

Item 44.65(From Mod 0):

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

Emission Unit: R-CABM5

Process: AA2

Source Classification Code: 3-13-065-99

Process Description:

B/258 VENDER OPERATIONS (INTERNATIONAL FLEX TECHNOLOGY) INCLUDING ROLL MFG. LINE LAMINATORS, EXPOSE, SOLDER REFLOW OVENS, HOODS, PROCESS OVENS, AND ESI LASER DRILL. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: AA217 - Process

Emission Source/Control: AA218 - Process

Emission Source/Control: AA219 - Process

Emission Source/Control: AA220 - Process

Emission Source/Control: AA221 - Process

Emission Source/Control: AA222 - Process

Emission Source/Control: AA223 - Process

Emission Source/Control: AA224 - Process



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Emission Source/Control: AA227 - Process

Emission Source/Control: AA230 - Process

Emission Source/Control: AA231 - Process

Emission Source/Control: AA232 - Process

Item 44.66(From Mod 0):

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 44.67(From Mod 0):

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 44.68(From Mod 0):

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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 BLUE DEVIL CIRCUIT BOARD
MANUFACTURING PROCESSES, INCLUDING ACID
COPPER ELECTROPLATE, AQUEOUS STRIP/DEVELOP,
PRECLEAN, CUPRIC ETCH, ED RESIST DEVELOP,
CHROME LINE (AND ENGINEERING CONSOLE),
PHOTOLAB STRIPPER, PHOTOLAB DEVELOPER,
SEEDER/FINELINE PROCESS AND WET LINES #1
AND #2 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: AB102 - Process

Emission Source/Control: AB103 - Process

Emission Source/Control: AB104 - Process

Emission Source/Control: AB107 - Process

Emission Source/Control: AB108 - Process

Emission Source/Control: AB112 - 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: AB123 - Process

Emission Source/Control: AB124 - Process

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Item 44.69(From Mod 0):

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

Emission Unit: R-CABM5

Process: AC1

Source Classification Code: 3-13-065-99

Process Description:

B/258 THIN FILM PROCESSES (INCLUDING AQUEOUS DEVELOP, DEVELOP, KAPTON ETCH, STRIP, WEB CLEAN), PAD ON PAD PLATER AND ENGINEERING PLATING LINE. 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: AC101 - Process

Emission Source/Control: AC102 - Process

Emission Source/Control: AC103 - Process

Emission Source/Control: AC104 - Process

Emission Source/Control: AC105 - Process

Emission Source/Control: AC106 - Process

Emission Source/Control: AC107 - Process

Emission Source/Control: AC108 - Process

Item 44.70(From Mod 0):

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

Emission Unit: R-CABM5

Process: AD1

Source Classification Code: 3-13-065-99

Process Description:

B/258 VENDER OPERATIONS (INTERNATIONAL FLEX TECHNOLOGY) INCLUDING BRANSON PARTS CLEANER, BTA DIP PLATING PROCESS, ROLL AQUEOUS DEVELOPER AND SUPPORT. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: AD101 - Process

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Emission Source/Control: AD102 - Process

Emission Source/Control: AD104 - Process

Emission Source/Control: AD105 - Process

Item 44.71(From Mod 0):

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 VENDER OPERATIONS (INTERNATIONAL FLEX TECHNOLOGY) INCLUDING ROLL BTA DIP PLATING PROCESS WITH ASSOCIATED AIR ABATEMENT SYSTEM (SCRUBBER). B/258 ETCH OPERATIONS (CHROME ETCHERS, COPPER ETCHERS, CUPRIC CHLORIDE ETCHER), PLASMA REACTOR, REEL-TO-REEL PLATER, CUPRIC CHLORIDE ETCHER, INTERPOSER PLATER WITH ASSOCIATED ABATEMENT SYSTEM (SCRUBBER). THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT A-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 1.0 POUND/HR, B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL LESS THAN 10 POUNDS/HR AND SOLID PARTICULATES (SUBJECT TO PART 212).

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

Emission Source/Control: AE101 - Process

Emission Source/Control: AE103 - Process

Emission Source/Control: AE104 - Process

Emission Source/Control: AE105 - Process

Emission Source/Control: AE106 - Process

Emission Source/Control: AE107 - Process

Emission Source/Control: E120B - Process

Emission Source/Control: E120C - Process

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Emission Source/Control: E121B - Process

Item 44.72(From Mod 0):

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

Emission Unit: R-CABM5

Process: AE2

Source Classification Code: 3-13-065-99

Process Description:

B/258 vendor operations (International Flex Technologies), including roll BTA dip plating process with associated air 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: AE01B - Control

Control Type: WET SCRUBBER

Emission Source/Control: AE201 - Process

Item 44.73(From Mod 0):

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 vendor operations. Non-scrubbed portions of process AE1. 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 44.74(From Mod 0):

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

Emission Unit: R-CABM5

Process: AF1

Source Classification Code: 3-13-065-99

Process Description:

B/258 KAPTON CIRCUIT ETCHING PROCESS AND ASSOCIATED AIR ABATEMENT SYSTEM (SCRUBBER). THE EMISSION SOURCES ASSOCIATED WITH THIS



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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: AE01B - Control
Control Type: WET SCRUBBER

Emission Source/Control: AF201 - Process

Item 44.75(From Mod 0):

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 44.76(From Mod 0):

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

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Emission Source/Control: MZ101 - Process

Emission Source/Control: MZ102 - Process

Item 44.77(From Mod 0):

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 44.78(From Mod 0):

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

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Emission Source/Control: TM107 - Process

Emission Source/Control: TM108 - Process

Item 44.79(From Mod 0):

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

Emission Unit: U-LCCSP

Process: BP1

Source Classification Code: 3-13-065-00

Process Description:

B/18 BRIGHT DIP OXIDE REMOVE AND HAND DEVELOP 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: BP101 - Process

Emission Source/Control: BP108 - Process

Item 44.80(From Mod 0):

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

Emission Unit: U-LCCSP

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 44.81(From Mod 0):

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

Emission Unit: U-LCCSP

Process: BQ1

Source Classification Code: 3-13-065-00

Process Description:

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B/18 ETCHER #5, 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: BQ102 - Process

Emission Source/Control: BQ103 - Process

Emission Source/Control: BQ104 - Process

Emission Source/Control: BQ106 - Process

Item 44.82(From Mod 0):

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

Emission Unit: U-LCCSP

Process: BV1

Source Classification Code: 3-13-065-00

Process Description:

B/41 SOLVENT ALTERNATE DEVELOPER, IPA LSI WASH TOOLS WITH ASSOCIATED AIR ABATEMENT SYSTEM (CAU). THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT , B-RATED POLLUTANTS AT AN EMISSION RATE POTENTIAL IN EXCESS OF 3 POUNDS/HR AND IS SUBJECT TO 6 NYCRR 212.10 VOC RACT.

Emission Source/Control: BV105 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: BV103 - Process

Emission Source/Control: BV108 - Process

Emission Source/Control: BV109 - Process

Emission Source/Control: BV110 - Process

Item 44.83(From Mod 0):

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

Emission Unit: U-LCCSP

Process: BY1

Source Classification Code: 3-13-065-00

Process Description:

B/41 OXIDE REMOVE PROCESS. THE EMISSION SOURCES ASSOCIATED WITH THIS PROCESS EMIT ,



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B-RATED POLLUTANTS AT AN EMISSION RATE
POTENTIAL LESS THAN 10 POUNDS/HR.

Emission Source/Control: BY101 - Process

Item 44.84(From Mod 0):

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

Emission Unit: U-LCCSP

Process: BZ1

Source Classification Code: 3-13-065-00

Process Description: B/41 LCC PROCESS ADHESIVE OVENS.

Emission Source/Control: BZ103 - Process

Emission Source/Control: BZ104 - Process

Item 44.85(From Mod 0):

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

Emission Unit: U-LCCSP

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: CA108 - Process

Emission Source/Control: CA109 - Process

Item 44.86(From Mod 0):

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

Emission Unit: U-LCCSP

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



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Emission Source/Control: CW102 - Process

Item 44.87(From Mod 0):

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

Emission Unit: U-LCCSP

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: F159A - Process

Condition 45: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-ASSET

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 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



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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 228.3(a)

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-ASSET

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission unit consists of paint spray booths subject to the miscellaneous metal parts and products limitations of 6 NYCRR 228.7, Table 1.

No person shall cause or allow the usage of coatings that exceed the following allowable pounds of volatile organic compounds per gallon, minus water and excluded VOC, at application:

Clear coatings: 4.3 pounds VOC/gallon coating less water and exempt VOCs

Air dried or forced warm air up to 90 degrees F: 3.5 pounds VOC/gallon coating less water and exempt VOCs

Extreme performance coatings: 3.5 pounds VOC/gallon coating less water and exempt VOCs

All other coatings: 3.0 pounds VOC/gallon coating less water and exempt VOCs

The owner or operator must maintain records, as specified by 6 NYCRR 228.5, to verify compliance with this requirement.

On a calendar year basis, the owner or operator shall



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submit to the DEC a certification of compliance with this requirement.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 47: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 228.4

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-ASSET

Item 47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This condition applies to the spray booth exhausts, emission points 38007, 38008, and 38010.

No person shall cause or allow emissions to the outdoor atmosphere having an average opacity of 20 percent or greater for any consecutive six-minute period from any emission source subject to 6 NYCRR Part 228.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 48: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

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Applicable Federal Requirement: 6NYCRR 228.5

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-ASSET

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(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



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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.

The initial report is due 7/30/2002.

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

Condition 49: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 228.10

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-ASSET

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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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: UPON REQUEST BY REGULATORY AGENCY

Condition 50: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 228.4

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This condition applies to processes 1NC and 2NC, the two pre-preg coating machines (treater towers), exhausting out emission points 25901 and 25902.

No person shall cause or allow emissions to the outdoor atmosphere having an average opacity of 20 percent or greater for any consecutive six-minute period from any emission source subject to 6 NYCRR Part 228.



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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 228.5(g)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 51.2:

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

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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.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 228.10

Item 52.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-25900

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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



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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: UPON REQUEST BY REGULATORY AGENCY

Condition 53: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 228.3(b)

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 1NC

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:

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.

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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 reduction by weight
Reference Test Method: EPA Method 18 or 25a
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 228.3(b)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-25900
Process: 2NC

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

Item 54.2:

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

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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 testing conducted since the last annual report, if any.

Lower Permit Limit: 80 percent reduction 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: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 2-8: Compliance Certification
Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-2.4(b)

Item 2-8.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-39000



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Regulated Contaminant(s):

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

Item 2-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This Emission unit consists of four large sized boilers, subject to 6 NYCRR 227-2. The boilers are capable of combusting either natural gas or number 2 oil.

1. The emissions rate from combusting No. 2 fuel oil and/or natural gas shall not exceed 0.30 lb Nox/mmBtu. This emissions rate shall be based on a one-hour average.

2. Compliance shall be based on emissions testing conducted in accordance with 6 NYCRR 202, over three separate loads (low, mid and high load operation). Compliance shall be conducted within 30 days of commencing operation on No. 2 oil, and at any other time specified by the DEC or EPA. Testing shall be conducted in accordance with the timeframes specified in 6 NYCRR 202-1.

3. The owner or operator shall submit to DEC, in triplicate, the emission test report within 60 days of completion of the tests.

4. If DEC promulgates changes to the NOx RACT rule, the owner or operator must comply with those revised rules.

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: EPA Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-9: Compliance Certification

Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227-2.5(b)

Item 2-9.1:

The Compliance Certification activity will be performed for:

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Emission Unit: B-39000

Regulated Contaminant(s):

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

Item 2-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1. The owner or operator may burn No. 6 fuel oil in Boilers 1 and 2, provided that the combined NOx emissions for the four boilers in this emission unit shall not exceed the applicable RACT limit in 6 NYCRR 227-2 for large boilers, according to the following equation:

$$\begin{aligned} &(\text{Actual heat input from No. 6 oil during the averaging period})(\text{actual emission rate combusting No.6 oil}) + \\ &(\text{actual heat input from gas during the averaging period})(\text{actual emission rate combusting natural gas}) = \\ &\text{or less than } (\text{Actual total heat input for both fuels in the averaging period})(\text{allowable RACT limit}) \end{aligned}$$

The actual Nox emissions rate when combusting No. 6 oil shall be 0.42 lb/mmBtu, and the actual emission rate when combusting gas shall be 0.167 lb/mmBtu, except if Nox emissions from the boiler(s) are measured, then the actual emission rate will be given by the most recent tests, effective from the date of the test.

Compliance shall be based on a 24 hour averaging period from May 1 - September 30, and on a 30 day average from October 1 - April 30.

2. The boilers may not exceed 50,000 pounds steam/hr when combusting No. 6 oil.
3. The owner shall not receive any deliveries of No. 6 oil.
4. The owner or operator must maintain records that show that the combustion of No. 6 oil and No. 2 oil does not result in a significant emissions increase, calculated in accordance with the PSD rules found at 40 CFR 52.21.
5. If DEC revises 6 NYCRR 227-2, the owner or operator

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will have to comply with those revisions.

Upper Permit Limit: 0.3 pounds per million Btus

Reference Test Method: EPA Method 7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

Condition 59: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(c), Subpart a

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-39000

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Boiler 4 was installed in 1983. To avoid applicability to PSD, the following fuel use restrictions are applicable:

1. Boiler 1 (S3901) is limited to combusting no more than 1.07 million gallons of oil per year (rolling 12 month period).
2. Boiler 2 (S3901) is limited to combusting no more than 1.07 million gallons of oil per year(rolling 12 month period).
3. Boiler 3 (S3903) is limited to combusting no more than 762,000 gallons of oil per year (rolling 12 month period).
4. Boiler 4 (S3904) is limited to combusting no more than 762,000 gallons of oil per year (rolling 12 month period).

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5. Boilers 1, 2, and 3 shall not exceed the following fuel use limits:

gas fired, in cubic feet, = $-416 \times (\text{oil fired, gallons}) + 1,422,725,638$

6. Boiler 4 shall not exceed the following fuel use limit:

gas fired, in cubic feet, = $-416 \times (\text{oil fired, gallons}) + 991,845,674$

The owner or operator shall submit to the DEC, on a calendar year basis, a report showing the amount of fuel used for each 12 month rolling period.

Monitoring Frequency: MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52, Subpart HH

Item 60.1:
The Compliance Certification activity will be performed for:

Emission Unit: B-39000

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

Item 60.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Federal SIP Limit:

Pursuant to Section 110 of the Federal Clean Air Act, the EPA approved, as part of New York's State Implementation Plan, a regulation for the control of particulate matter. This requirement was previously cited as 6NYCRR Part

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227.2(b)(1) and is listed in the table of EPA-approved New York State regulations sited under 40 CFR 52.1679 Subpart HH. The Department has since revised this rule, changing the applicability criteria and the numerical limits.

This condition requires compliance with the rule as it is contained in the federal SIP.

No person shall cause, permit or allow a two hour average emission into the outdoor atmosphere of particulates in excess of 0.10 pound per million Btu heat input from any oil fired stationary combustion installation. Upon written application, the commissioner may exempt a person from the provisions of this section, when in view of the properties of the emissions, isolated conditions, stack height and other factors, it is clearly demonstrated that the emissions thus permitted will not cause a contravention of established ambient air quality standards.

Compliance shall be demonstrated at least once per permit term using stack emissions testing (RM 5). At the discretion of the DEC, such testing may be waived if neither boiler fires fuel oil 168 hours or less in each calendar year. The owner or operator shall follow the notification requirements of 6 NYCRR 202-1.2 and the time frames for submission of the results stated in 6 NYCRR 202-1.3.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 61: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

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

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-39000

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Process: OIL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 61.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - weather condition
 - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the



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Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 62: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21(c), Subpart a

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-39000
Process: OIL

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 62.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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The fuel oil fired in Boilers 1, 2, 3 and 4 shall contain no more than 0.30 % sulfur, by weight.

Compliance shall be determined by fuel sampling and analysis. Oil samples shall be collected for each delivery. The owner or operator shall analyze the fuel oil to determine the sulfur content of the oil. The oil shall be analyzed using ASTM D129-64, ASTM D1552-83, or ASTM D4057-81.

On a calendar year basis, the owner or operator shall submit to the DEC a report stating whether any fuel shipments were received, and for each fuel shipment, the results of all fuel sample analyses. Additionally, whenever the owner or operator analyzes fuel oil and the results exceed 0.30 percent by weight, the owner or operator shall submit to the DEC a report of such analyses within 30 days of completion of such analyses (or within 30 days of receipt of such analysis, if performed by a third party).

Parameter Monitored: SULFUR

Upper Permit Limit: 0.3 percent by weight

Reference Test Method: ASTM

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED MORE THAN
ONCE PER CALENDAR YEAR

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 63: Compliance Certification

Effective between the dates of 01/03/2002 and Permit Expiration Date

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

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: B-96000

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

Item 63.2:

Compliance Certification shall include the following monitoring:

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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

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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.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 64: Compliance Certification
Effective between the dates of 01/03/2002 and Permit Expiration Date

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

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-LCCSP Emission Point: 41192
Process: BV1



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Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Process BV1 (emissions exhaust out of EP 41192) uses VOCs to develop unexposed photoresist and clean photo resist polymer on ceramic surfaces and laminate chip carriers. Pollutants emitted include 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. 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.

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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: Method 18 and 25a

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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 2-10: Contaminant List

Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 2-10.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



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permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY100-00-0

Name: HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

Condition 65: Unavoidable noncompliance and violations
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 65.1:

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



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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 69: Air pollution prohibited
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 69.1:

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 70: Compliance Demonstration
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.4(a)

Item 70.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 70.2:

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

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212.9.

Several emission sources at IBM Endicott emit A-rated contaminants, non-A-rated contaminants or both. 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 and

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

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

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to the DEC a report stating whether any changes were made to the operation of these emissions sources, or the air pollution control equipment.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 71: Compliance Demonstration
Effective between the dates of 01/03/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 212.4(a)

Item 71.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 71.2:

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 IBM Endicott emit A-rated contaminants, non-A-rated contaminants or both. 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. This analysis shall include all emissions of such pollutant, facility-wide, so that cumulative impacts are modeled. Within 90 days of

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the effective date of this permit, the owner or operator must submit to the DEC a modeling protocol for the ambient impact analysis. Within 90 days of DEC's approval of the protocol, the owner or operator shall submit to the DEC a report describing the results of ambient impact analysis.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

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

Condition 72: Compliance Demonstration

Effective between the dates of 01/03/2002 and Permit Expiration Date

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

Item 72.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 72.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

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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. (Fuel oil burned in Boilers 1 - 4 is governed by a separate condition).

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.

The initial report is due 7/30/2002.

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

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

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Condition 73: Compliance Demonstration

Effective between the dates of 01/03/2002 and Permit Expiration Date

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

Item 73.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: B-39000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 73.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: Method 5 / Method 17

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE