



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-1346-00035/00464
Mod 0 Effective Date: 02/27/2001 Expiration Date: No expiration date.
Mod 1 Effective Date: 03/31/2010 Expiration Date: No expiration date.
Mod 2 Effective Date: 06/23/2010 Expiration Date: No expiration date.

Permit Issued To: INTERNATIONAL BUSINESS MACHINES CORPORATION
NEW ORCHARD RD
ARMONK, NY 10504

Contact: LAWRENCE J LEO
IBM CORP
2455 SOUTH RD
POUGHKEEPSIE, NY 12601-5400
(845) 435-2633

Facility: IBM CORP SOUTH RD FACILITY
2455 SOUTH RD
POUGHKEEPSIE, NY 12601

Contact: LAWRENCE J LEO
IBM CORP
2455 SOUTH RD
POUGHKEEPSIE, NY 12601-5400
(845) 435-2633

Description:

The International Business Machines Corporation (IBM) maintains a manufacturing, research and development facility in the town of Poughkeepsie, Dutchess County, New York. The facility is involved primarily with the manufacturing, assembling and testing of large information systems, the components of these systems, and the software to be used with these systems. Two main manufacturing processes are currently being utilized at the IBM Main Plant. They are the metal-mask process line and the LPAT process line. Heating needs are met by the operation of five 67.5 mmBTU/hr boilers (A0001, A0002, A0003, A0004, A0005) firing natural gas or No. 6 fuel oil. These boilers were installed prior to 6/9/1989 and have not been constructed, modified, or reconstructed as defined by the federal regulations, and therefore are not subject to 40 CFR 60 Subpart Dc. The manufacturing portion of the facility is subject to the 6 NYCRR 212 regulation (Emission Unit B-00001, C-00001, D-00001, H-00001). Also, one process in one manufacturing area is subject to the 40 CFR 63 Subpart WWWW regulation (Emission Unit C-0001).

Facilities emissions (NOx, VOC) have been capped below major stationary source threshold as defined by permit conditions under 6NYCRR Part 201-7.2(e). The facility is

New York State Department of Environmental Conservation
Facility DEC ID: 3134600035



subject to monitoring and reporting requirements under 6 NYCRR Parts 201, 212, 225, 227, 40 CFR 63 Subpart WWWW, and 40 CFR 60 Subpart IIII.

The facility operates a number of exempt/trivial sources including storage tanks exempt in accordance with 6 NYCRR 229.1(d), 6 NYCRR 201-3.2(c)(21) and 6 NYCRR 201-3.2(c)(25), and emergency generators exempt in accordance with 6 NYCRR 201-3.2(c)(6). IBM shall record each generator's run time and date of operation to ensure compliance with exemption status (<500 hrs annually). In addition two of these exempt generators are subject to 40 CFR 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and the requirements of 40 CFR 60.A - General provisions. IBM shall maintain a current record on site of all emergency generators subject to 40 CFR 60 Subpart IIII along with all the required compliance documentation. These materials shall be made available to the Department upon request.

Modification 2

This modification is to include 40 CFR 63 Subpart WWWW--NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: AREA SOURCE STANDARDS FOR PLATING AND POLISHING OPERATIONS regulations.

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: KENNETH R GRZYB
 NYSDEC REGION 3
 21 S PUTT CORNERS RD
 NEW PALTZ, NY 12561

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of Applications for Permit Modification or Renewal-REGION 3 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS



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

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 1-1: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

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:

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.



Department

Applicable State Requirement: 6 NYCRR 621.13

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 3: Applications for Permit Renewals and Modifications

Applicable State Requirement: 6 NYCRR 621.13 (a)

Expired by Mod No: 1

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 4: Permit Modifications, Suspensions, and Revocations by the Department

Applicable State Requirement: 6 NYCRR 621.14

Expired by Mod No: 1

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 materially changed since the permit was issued.

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

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 3 HEADQUARTERS



Applicable State Requirement: 6 NYCRR 621.5 (a)

Expired by Mod No: 1

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

Condition 1-3: Submission of application for permit modification or renewal-REGION 3

HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 1-3.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

IDENTIFICATION INFORMATION

Permit Issued To:INTERNATIONAL BUSINESS MACHINES CORPORATION
NEW ORCHARD RD
ARMONK, NY 10504

Facility: IBM CORP SOUTH RD FACILITY
2455 SOUTH RD
POUGHKEEPSIE, NY 12601

Authorized Activity By Standard Industrial Classification Code:
3571 - ELECTRONIC COMPUTERS

Mod 0 Permit Effective Date: 02/27/2001
date.

Permit Expiration Date: No expiration

Mod 1 Permit Effective Date: 03/31/2010
date.

Permit Expiration Date: No expiration

Mod 2 Permit Effective Date: 06/23/2010
date.

Permit Expiration Date: No expiration



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1-1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 1-2 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 1-3 6 NYCRR 200.7: Maintenance of Equipment
- 1-4 6 NYCRR 201-1.7: Recycling and Salvage
- 1-5 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-6 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 1-7 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 2-1 6 NYCRR 202-1.1: Required Emissions Tests
- 1-9 6 NYCRR 211.3: Visible Emissions Limited
- 1 6 NYCRR 200.5: Sealing
- 4 6 NYCRR 201-1.2: Unpermitted Emission Sources
- 9 6 NYCRR 201-1.10 (a): Public Access to Recordkeeping
- 1-10 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- *1-11 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-12 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 1-13 6 NYCRR 212.4: Compliance Demonstration
- 1-14 6 NYCRR 212.6 (a): Compliance Demonstration
- 1-15 6 NYCRR 225-1.2 (a) (2): Compliance Demonstration
- 1-16 6 NYCRR 225-1.8: Compliance Demonstration
- 1-17 6 NYCRR 227-1.3: Compliance Demonstration
- 1-18 40CFR 60, NSPS Subpart III: Compliance Demonstration
- 1-19 40CFR 60, NSPS Subpart III: Compliance Demonstration
- 2-2 40CFR 63, Subpart WWWW: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 1-20 ECL 19-0301: Contaminant List
- 1-21 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 60 6 NYCRR Subpart 201-5: General Provisions
- 61 6 NYCRR Subpart 201-5: Permit Exclusion Provisions
- 62 6 NYCRR Subpart 201-5: Emission Unit Definition
- 1-22 6 NYCRR 201-5.4: Compliance Demonstration
- 1-23 6 NYCRR 211.2: Air pollution prohibited
- 1-24 6 NYCRR 227-1.2 (a) (2): Compliance Demonstration

Emission Unit Level

- 65 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 66 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.



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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 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 - 6 NYCRR 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 - 6 NYCRR 200.7

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 - 6 NYCRR 201-1.2

If an existing emission source was subject to the permitting requirements of 6 NYCRR 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 - 6 NYCRR 201-1.5

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

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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



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

Item F: Recycling and Salvage - 6 NYCRR 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 - 6 NYCRR 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: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 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 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 I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 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 J: Required Emission Tests - 6 NYCRR 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 6 NYCRR Subpart 202-1.

Item K: Visible Emissions Limited - 6 NYCRR 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 L: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item M: Permit Exclusion - ECL 19-0305

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

Item N: 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.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1-1: Acceptable Ambient Air Quality
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 200.6

Replaces Condition(s) 2

Item 1-1.1:

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

Condition 1-2: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Part 215

Replaces Condition(s) 17

Item 1-2.1:

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

Condition 1-3: Maintenance of Equipment
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 200.7

Replaces Condition(s) 3

Item 1-3.1:

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

Condition 1-4: Recycling and Salvage
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.7

Replaces Condition(s) 7

Item 1-4.1:



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

Condition 1-5: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.8

Replaces Condition(s) 8

Item 1-5.1:

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

Condition 1-6: Exempt Sources - Proof of Eligibility

Effective between the dates of 03/31/2010 and Permit Expiration Date

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

Replaces Condition(s) 10

Item 1-6.1:

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

Condition 1-7: Trivial Sources - Proof of Eligibility

Effective between the dates of 03/31/2010 and Permit Expiration Date

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

Replaces Condition(s) 11

Item 1-7.1:

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

Condition 2-1: Required Emissions Tests

Effective between the dates of 06/23/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-1.1



Replaces Condition(s) 1-8

Item 2-1.1:

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

Condition 1-9: Visible Emissions Limited
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 211.3

Replaces Condition(s) 16

Item 1-9.1:

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

Condition 1: Sealing
Effective between the dates of 02/27/2001 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 200.5

Item 1.1:

(a) 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 labelling 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.

(b) 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.

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

Condition 4: Unpermitted Emission Sources
Effective between the dates of 02/27/2001 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.2

Item 4.1:

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.

Condition 9: Public Access to Recordkeeping
Effective between the dates of 02/27/2001 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.10 (a)

Item 9.1:

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

Condition 1-10: Facility Permissible Emissions
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2-10.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0 (From Mod 2) PTE: 195,000 pounds
per year

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0 (From Mod 2) PTE: 95,000 pounds
per year

Name: VOC

Condition 1-11: Capping Monitoring Condition
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-11.1:

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

6 NYCRR Subpart 201-6

6 NYCRR Subpart 227-2



Item 1-11.2:

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

Item 1-11.3:

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

Item 1-11.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-11.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-11.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 1-11.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide NOx emissions are capped at 97.5 tons per rolling twelve months. This enables the facility to avoid Title V and NOx RACT. Records of fuel usage and fuel purchase, equipment run time in hours and NOx calculations serve as the compliance certification for the facility.

The site executive will provide a certification that the facility is in compliance with NOx cap to the Department annually, due by Jan 30th. Included in the certification will be a summary of actual emissions. Detailed documents and calculations used to create the summary report will be made available to the Department upon request.

As a result of NOx emissions capping, SO2 and CO emissions



also fall below major stationary threshold limits, with a stipulated sulfur-in-fuel limit of no more than 0.5 % by weight.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 1-12: Capping Monitoring Condition
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-12.1:

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

6 NYCRR Subpart 201-6

Item 1-12.2:

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

Item 1-12.3:

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

Item 1-12.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-12.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-12.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 3-1346-00035/00464

Facility DEC ID: 3134600035



CAS No: 0NY998-00-0 VOC

Item 1-12.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide VOC emissions are capped at 47.5 tons per rolling twelve months. This enables the facility to avoid Title V and VOC RACT. All chemical usages for any consecutive 12 months will be verified by maintenance of delivery records to the respective departments.

Facility-wide annual VOC emissions will be calculated on a rolling 12 month basis.

The site executive will provide a certification that the facility is in compliance with VOC cap to the Department annually, due by Jan 30th. Included in the certification shall be a summary of actual emissions. Detailed documents and calculations used to create the summary report will be made available to the Department upon request.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 1-13: Compliance Demonstration

Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.4

Item 1-13.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: B-00001	Emission Point: D42TA
Emission Unit: B-00001	Emission Point: D42TG
Emission Unit: C-00001	Emission Point: 242FA
Emission Unit: C-00001	Emission Point: 242KM
Emission Unit: C-00001	Emission Point: 242NI
Emission Unit: C-00001	Emission Point: 342CD



Emission Unit: C-00001	Emission Point: 342CK
Emission Unit: C-00001	Emission Point: 342CP
Emission Unit: C-00001	Emission Point: 342FA
Emission Unit: C-00001	Emission Point: 342MA
Emission Unit: C-00001	Emission Point: 342MB
Emission Unit: C-00001	Emission Point: 342MC
Emission Unit: C-00001	Emission Point: 342TB
Emission Unit: C-00001	Emission Point: 342TL
Emission Unit: C-00001	Emission Point: 342WE
Emission Unit: C-00001	Emission Point: 342WF
Emission Unit: C-00001	Emission Point: 342WG
Emission Unit: C-00001	Emission Point: 343PF
Emission Unit: C-00001	Emission Point: C122X
Emission Unit: D-00001	Emission Point: W42GD
Emission Unit: D-00001	Emission Point: W42ST
Emission Unit: D-00001	Emission Point: W42WG
Emission Unit: D-00001	Emission Point: W42WH
Emission Unit: H-00001	Emission Point: W42AK
Emission Unit: H-00001	Emission Point: W42AM

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

Item 1-13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For all the process source emissions which do not require a degree of air cleaning, IBM shall not cause or allow emissions that exceed the applicable permissible emission rate as described below [§212.9(b) Table 2];



Environmental Rating -Gases and Liquid Particulate Emissions (Environmental Rating A,B,C or D) and Solid Particulate Emissions (Environmental Rating A or D)

- A 1 lbs/hr
- B 10 lbs/hr
- C 20 lbs/hr
- D No Degree of Air Cleaning Required

For an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis

IBM shall maintain a comprehensive inventory record of emission points subject to this requirement as well as documentation of compliance as appropriate. All records shall be available to the Department upon request.

The Department reserves the right to request IBM conduct future performance testing to verify compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-14: Compliance Demonstration
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Replaces Condition(s) 29, 34, 39, 44, 48, 53, 58

Item 1-14.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: B-00001	Emission Point: D42TA
Emission Unit: B-00001	Emission Point: D42TG
Emission Unit: C-00001	Emission Point: 242FA
Emission Unit: C-00001	Emission Point: 242KM
Emission Unit: C-00001	Emission Point: 242NI
Emission Unit: C-00001	Emission Point: 342CD
Emission Unit: C-00001	Emission Point: 342CK
Emission Unit: C-00001	Emission Point: 342CP



Emission Unit: C-00001	Emission Point: 342FA
Emission Unit: C-00001	Emission Point: 342MA
Emission Unit: C-00001	Emission Point: 342MB
Emission Unit: C-00001	Emission Point: 342MC
Emission Unit: C-00001	Emission Point: 342TB
Emission Unit: C-00001	Emission Point: 342TL
Emission Unit: C-00001	Emission Point: 342WE
Emission Unit: C-00001	Emission Point: 342WF
Emission Unit: C-00001	Emission Point: 342WG
Emission Unit: C-00001	Emission Point: 343PF
Emission Unit: C-00001	Emission Point: C122X
Emission Unit: D-00001	Emission Point: W42GD
Emission Unit: D-00001	Emission Point: W42ST
Emission Unit: D-00001	Emission Point: W42WG
Emission Unit: D-00001	Emission Point: W42WH
Emission Unit: H-00001	Emission Point: W42AK
Emission Unit: H-00001	Emission Point: W42AM

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

Item 1-14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Average opacity, based on any six consecutive minutes, is limited to less than 20 percent, except only the emission of uncombined water. Any deviations shall be reported to the Department, along with corrective action. Deviations shall also be included in the annual report, submitted Jan 30th.

The Department reserves the right to perform or require

New York State Department of Environmental Conservation

Permit ID: 3-1346-00035/00464

Facility DEC ID: 3134600035



IBM conduct a Method 9 opacity evaluation at any time during facility operation to determine compliance.

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
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-15: Compliance Demonstration
Effective between the dates of 03/31/2010 and Permit Expiration Date

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

Replaces Condition(s) 18, 19

Item 1-15.1:

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

Table with 2 columns: Emission Unit/Process and Emission Source. Rows include units A-00001 with processes AOB and AOD, and sources A0001 through A0005. Includes Regulated Contaminant(s) section for SULFUR DIOXIDE with CAS No: 007446-09-5.

Item 1-15.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

IBM shall not sell, offer for sale, purchase, or use any distillate or residual fuel associated with exempt or permitted combustion sources, which contains sulfur in a quantity exceeding the limits specified in Table 2. However, the facility has agreed to a more stringent limit stated below, for purposes of capping below major

New York State Department of Environmental Conservation

Permit ID: 3-1346-00035/00464

Facility DEC ID: 3134600035



stationary threshold emission limits for sulfur dioxide.

The facility shall keep records on site for a period of three years, to be submitted upon the Departments request, which include the following information;

Delivery Ticket including Suppliers Certification or Bill of Lading which states the sulfur-in-fuel content of the delivered fuel.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.5 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-16: Compliance Demonstration
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.8

Item 1-16.1:

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

- Emission Unit: A-00001
Process: AOB Emission Source: A0001
Emission Unit: A-00001
Process: AOB Emission Source: A0002
Emission Unit: A-00001
Process: AOB Emission Source: A0003
Emission Unit: A-00001
Process: AOD Emission Source: A0004
Emission Unit: A-00001
Process: AOD Emission Source: A0005

Item 1-16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IBM shall retain for up to three years sulfur-in-fuel data, results of stack sampling, stack monitoring and other procedures as requested by the Department to ensure



compliance with the provisions of this Subpart, to be submitted upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-17: Compliance Demonstration
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 1-17.1:

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

Emission Unit: A-00001 Process: AOA	Emission Point: SR001 Emission Source: A0001
Emission Unit: A-00001 Process: AOA	Emission Point: SR002 Emission Source: A0002
Emission Unit: A-00001 Process: AOA	Emission Point: SR003 Emission Source: A0003
Emission Unit: A-00001 Process: AOB	Emission Point: SR001 Emission Source: A0001
Emission Unit: A-00001 Process: AOB	Emission Point: SR002 Emission Source: A0002
Emission Unit: A-00001 Process: AOB	Emission Point: SR003 Emission Source: A0003
Emission Unit: A-00001 Process: AOC	Emission Point: SR006 Emission Source: A0004
Emission Unit: A-00001 Process: AOC	Emission Point: SR007 Emission Source: A0005
Emission Unit: A-00001 Process: AOD	Emission Point: SR006 Emission Source: A0004
Emission Unit: A-00001 Process: AOD	Emission Point: SR007 Emission Source: A0005

Item 1-17.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:



IBM shall not operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity.

The Department reserves the right to request or perform a Method 9 to determine compliance with the stipulated limit.

Process Material: FUEL

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-18: Compliance Demonstration
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60, NSPS Subpart III

Item 1-18.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall comply with NSPS requirements including but not limited to ;
§ 60.4205(a) - Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust Emissions standards in Table 1

§ 60.4211(b) - The facility must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) through (5) of this section.

(1) Purchasing an engine certified according to 40 CFR part 89, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.



(3) Keeping records of engine manufacturer data indicating compliance with the standards.

(4) Keeping records of control device vendor data indicating compliance with the standards.

(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.

§ 60.4207- The facility shall follow the standard requirements for Non-Road (NR) diesel fuel (§ 80.510);

(a) Beginning October 1, 2007 all NR diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content. 500 parts per million (ppm) maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(b) Beginning October 1, 2010 all NR diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

§ 60.4209(a) The facility shall install a non-resettable hour meter prior to startup of the engine.

§ 60.4211(a) The facility shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In



addition, owners and operators may only change those settings that are permitted by the manufacturer. The facility must also meet the requirements of 40 CFR parts 89.

§ 60.4211(b) The facility shall comply with the emission standards specified in §60.4205(a) as mentioned above.

§ 60.4211(e) Applicable generators may be operated for the purpose of maintenance checks and readiness testing. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Hours run shall be recorded and kept for a period of five years.

Monitoring and reporting shall be in accordance with regulatory requirements listed above. IBM shall maintain a current record on site of all emergency generators subject to this condition along with all the required compliance documentation. These materials shall be made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-19: Compliance Demonstration
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60, NSPS Subpart III

Item 1-19.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall comply with NSPS requirements including but not limited to ;

§ 60.4205(b); As specified under § 60.4202(a)(2) citing 40 CFR 89.112 - Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards and 40 CFR 89.113 - Smoke emission standard



§ 60.4207- The facility shall follow the standard requirements for Non-Road (NR) diesel fuel (§ 80.510);

(a) Beginning October 1, 2007 all NR diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content. 500 parts per million (ppm) maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(b) Beginning October 1, 2010 all NR diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

§ 60.4209(a) The facility shall install a non-resettable hour meter prior to startup of the engine.

§ 60.4211(a) The facility shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. The facility must also meet the requirements of 40 CFR parts 89.

§ 60.4211(c) The facility shall comply with the emission standards specified in §60.4205(b) as mentioned above.



§ 60.4211(e) Applicable generators may be operated for the purpose of maintenance checks and readiness testing. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Hours run shall be recorded and kept for a period of five years.

Monitoring and reporting shall be in accordance with regulatory requirements listed above. IBM shall maintain a current record on site of all emergency generators subject to this condition along with all the required compliance documentation. These materials shall be made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-2: Compliance Demonstration

Effective between the dates of 06/23/2010 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63, Subpart WWWWWW

Item 2-2.1:

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

Emission Unit: C-00001

Process: COB

Emission Source: CB035

Regulated Contaminant(s):

CAS No: 0NY059-28-0 NICKEL (NI 059)

Item 2-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IBM Poughkeepsie is subject to the requirements of 40 CFR 63 Subpart WWWWWW National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations, and the requirements of 40 CFR 60.A - General provisions.

The facility, utilizing a batch, non-cyanide, electrolytic process tank operating at a pH of less than 12, containing nickel ingots within the bath, shall comply with the follow requirements;



§ 63.11507

a(1) Use a wetting agent, as defined in §63.11511, in the bath of the affected tank according to paragraphs

(a)(1)(i) through (ii) of this section.

(i) Initially add the wetting agent/fume suppressant in the amounts recommended by the manufacturer for the specific type of electrolytic process.

(ii) Add wetting agent in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank.

(g) Implement the applicable management practices in paragraphs (g)(1) through (12) of this section, as practicable.

(1) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.

(2) Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.

(3) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.

(4) Use tank covers, if already owned and available at the facility, whenever practicable.

(5) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).

(6) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.

(7) Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.

(8) Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.

(9) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.

(10) Minimize spills and overflow of tanks, as practicable.

(11) Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.

(12) Perform regular inspections to identify leaks and



other opportunities for pollution prevention.

§ 63.11508

(a) The facility shall submit a Notification of Compliance Status in accordance with §63.11509(b).

(b) Be in compliance with the applicable management practices and equipment standards in this subpart at all times.

(c) The facility shall satisfy the requirements specified in paragraphs (1) and (5) of this section as applicable.

(1) The facility shall demonstrate initial compliance according to paragraphs (1)(i) through (iv) of this section.

(i) Add wetting agent to the bath of each affected tank according to manufacturer's specifications and instructions.

(ii) State in Notification of Compliance Status that the facility adds wetting agent to the bath according to manufacturer's specifications and instructions.

(iii) Implement the applicable management practices specified in §63.11507(g) as practicable.

(iv) The facility shall state in the Notification of Compliance Status that it has implemented the applicable management practices specified in §63.11507(g) as practicable.

(d) To demonstrate continuous compliance with the applicable management practices and equipment standards specified in this subpart, the facility shall satisfy the requirements specified below;

(1) Always operate and maintain your affected source, including air pollution control equipment.

(2) Prepare an annual compliance certification according to the requirements specified in §63.11509(c), and keep it in a readily-accessible location for inspector review.

(3) The facility, using a wetting agent to comply with this subpart, shall demonstrate continuous compliance according to paragraphs (d)(3)(i) through (iii) of this section.

(i) Record that you have added the wetting agent to the tank bath in the original make-up of the tank.

(ii) For tanks where the wetting agent is a separate purchased ingredient from the other tank additives, demonstrate continuous compliance according to paragraphs (d)(3)(ii)(A) and (B) this section.

(A) Add wetting agent in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank.



- (B) Record each addition of wetting agent to the tank bath.
- (iii) State in the annual compliance certification that you have added wetting agent to the bath according to the manufacturer's specifications and instructions.
- (8) The facility is subject to the management practices specified in §63.11507(g) and shall demonstrate continuous compliance according to paragraphs (d)(8)(i) and (ii) of this section.
 - (i) Implement the applicable management practices during all times that the affected tank or process is in operation.
 - (ii) State in the annual compliance certification that you have implemented the applicable management practices, as practicable.

§ 63.11509

- (a) The facility shall submit an Initial Notification in accordance with paragraphs (a)(1) through (3) of this section by the dates specified.
 - (1) The Initial Notification must include the information specified in §63.9(b)(2)(i) through (iv) of the General Provisions of this part.
 - (2) The Initial Notification must include a description of the compliance method (e.g., use of wetting agent/fume suppressant) for each affected source.
 - (3) Submit an Initial Notification not later than 120 calendar days after July 1, 2008.

- (b) The facility shall submit a Notification of Compliance Status in accordance with paragraphs (b)(1) and (2) of this section.
 - (1) The Notification of Compliance Status must be submitted before the close of business on the compliance date specified in §63.11506.
 - (2) The Notification of Compliance Status must include the items specified in paragraphs (b)(2)(i) through (iv) of this section.
 - (i) List of affected sources and the plating and polishing metal HAP used in, or emitted by, those sources.
 - (ii) Methods used to comply with the applicable management practices and equipment standards.
 - (iii) Description of the capture and emission control systems used to comply with the applicable equipment standards.
 - (iv) Statement by the facility as to whether the source is in compliance with the applicable standards or other requirements.

- (c) The facility shall prepare an annual certification of compliance report according to paragraphs below. These reports do not need to be submitted unless a deviation



from the requirements of this subpart has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report.

- (1) State in annual compliance certification that you have added wetting agent to the bath according to the manufacturer's specifications and instructions.
- (6) State in the annual compliance certification that you have implemented the applicable management practices, as practicable.
- (7) Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.

(d) Report the deviations, along with the corrective action taken, and submit this report to the Department.

(e) The facility must keep the records specified in paragraphs (e)(1) through (3) of this section.

(1) A copy of any Initial Notification and Notification of Compliance Status that the facility submitted and all documentation supporting those notifications.

(2) The records specified in §63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions of this part, which states;

General recordkeeping requirements - The owner or operator of an affected source subject to the provisions of this part shall maintain relevant records.

(i) The occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards;

(ii) The occurrence and duration of each malfunction of operation (i.e., process equipment) or the required air pollution control and monitoring equipment;

(iii) All required maintenance performed on the air pollution control and monitoring equipment;

(xiv) All documentation supporting initial notifications and notifications of compliance status under §63.9.

(3) The records required to show continuous compliance with each management practice and equipment standard that applies, as specified in §63.11508(d).

(f) The facility shall keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Each



record must be kept onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1) of the General Provisions to part 63. Records may be kept offsite for the remaining 3 years.

§ 63.11510

The facility shall comply with the requirements of the General Provisions (40 CFR part 63, subpart A) according to Table 1 of this subpart.

Citation	Subject
63.1	Applicability.
63.2	Definitions.
63.3	Units and abbreviations.
63.4	Prohibited activities.
63.6(a), (b)(1)-(b)(5), (c)(1), (c)(2), (c)(5), (j)	Compliance with standards and maintenance requirements.
63.10(a), (b)(1), (b)(2)(i)-(iii), (xiv), (b)(3), (d)(1), (f)	Recordkeeping and reporting.
63.12	State authority and delegations.
63.13	Addresses of State air pollution control agencies and EPA regional offices.
63.14	Incorporation by reference.
63.15	Availability of information and confidentiality

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

Item B: 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 only enforceable.



Condition 1-20: Contaminant List

Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 1-20.1:

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

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 0NY059-28-0
Name: NICKEL (NI 059)

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

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

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

Condition 1-21: Unavoidable noncompliance and violations

Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 1-21.1:

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

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

(b) In the event that emissions of air contaminants in excess of any emission standard



in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superseded 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 60: General Provisions

Effective between the dates of 02/27/2001 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 60.1:

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 60.2:

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.

Item 60.3:

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



Condition 61: Permit Exclusion Provisions
Effective between the dates of 02/27/2001 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 61.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 62: Emission Unit Definition
Effective between the dates of 02/27/2001 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 62.1(From Mod 2):

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

Emission Unit: A-00001

Emission Unit Description:

This emission unit includes stationary combustion units (boilers) in two separate buildings burning both natural gas or No. 6 fuel oil. Process IDs were used to distinguish between the building locations and type of fuel burned. Process AOA includes the three boilers, emission points SR001, SR002, SR003, located in B020, burning natural gas. Process AOB includes the same three boilers located in B020, burning No. 6 fuel oil. Process AOC includes the two boilers, emission points SR006 and



SR007, located in B026 burning natural gas. Process AOD includes the same two boilers located in B026 burning No. 6 fuel oil.

Building(s): B/020
B/026

Item 62.2(From Mod 2):

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

Emission Unit: B-00001

Emission Unit Description:

This emission unit includes the activities in B012 which is where assembly and testing of large information systems and their components (LPAT) occurs. Activities with emissions include soldering techniques used in the assembly process. Process BOA includes all the testing and manufacturing activities for B012. Emission points include D42TA and D42TG.

Building(s): B/012

Item 62.3(From Mod 2):

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

Emission Unit: C-00001

Emission Unit Description:

This emission unit includes activities in B002 and B003 where the metal-mask and LPAT process lines are located and are for the manufacturing, assembling, and testing of large information systems and their components. Process COA includes activities in B002 which is primarily where the LPAT process line is located and includes activities such as soldering and cleaning of parts for assembly and testing of large information systems and their components. Process COB includes activities in B003 which is where the metal-mask process line is primarily located and where the metal masks are manufactured using nickel electroplating and etching. Emission points include 242KM, 242NI, 242FA, 342CD, 342CK, 342CP, 342FA, 342MA, 342MB, 342MC, 342TB, 342TL, 342WE, 342WF, 342WG, 343PF, and C122X.

Building(s): B/002
B/003

Item 62.4(From Mod 2):

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

Emission Unit: D-00001

Emission Unit Description:

This emission unit includes activities in B450 which is the site's industrial wastewater treatment facility and is designated by Process DOA. Emission points include W42GD, W42ST, W42WG, and W42WH.



Building(s): B/450

Item 62.5(From Mod 2):

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

Emission Unit: H-00001

Emission Unit Description:

This emission unit includes activities in B028 which is the site's chemical storage and transfer building and is designated by Process HOA. Emission points include W42AK and W42AM.

Building(s): B/028

Condition 1-22: Compliance Demonstration
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-5.4

Item 1-22.1:

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

Emission Unit: B-00001

Emission Unit: C-00001

Emission Unit: D-00001

Emission Unit: H-00001

Item 1-22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OPERATIONAL FLEXIBILITY: Emissions units B-00001, C-00001, D-00001, H-00001

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

(i) Changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements under this chapter;

(ii) Changes which do not cause the source to become



subject to any additional regulations or requirements under this chapter;

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

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

(i) The relocation of emission points within a facility;

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

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

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

IBM shall maintain information on site of all activities conducted under this operational flexibility condition. A summary of these activities shall be submitted to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-23: Air pollution prohibited
Effective between the dates of 03/31/2010 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2



Replaces Condition(s) 64

Item 1-23.1:

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 1-24: Compliance Demonstration

Effective between the dates of 03/31/2010 and Permit Expiration Date

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

Item 1-24.1:

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

Emission Unit: A-00001 Process: AOB	Emission Point: SR001 Emission Source: A0001
Emission Unit: A-00001 Process: AOB	Emission Point: SR002 Emission Source: A0002
Emission Unit: A-00001 Process: AOB	Emission Point: SR003 Emission Source: A0003
Emission Unit: A-00001 Process: AOD	Emission Point: SR006 Emission Source: A0004
Emission Unit: A-00001 Process: AOD	Emission Point: SR007 Emission Source: A0005

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

Item 1-24.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

IBM shall not cause or allow an emission into the outdoor atmosphere of particulates in excess of 0.20 lbs/ mmBtu heat input from any stationary combustion installation with a maximum heat input capacity exceeding 50 million Btu per hour but no greater than 250 million Btu per hour using oil.

A stack test performed 04/10/2007 resulted in particulate emissions averaging less than 0.04 lbs/mmBTU.
The Department reserves the right to request IBM perform

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stack testing at any time to determine compliance with the stipulated limits.

Process Material: FUEL OIL

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.2 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**** Emission Unit Level ****

Condition 65: Emission Point Definition By Emission Unit
Effective between the dates of 02/27/2001 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 65.1(From Mod 2):

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

Emission Unit: A-00001

Emission Point: SR001

Height (ft.): 76 Diameter (in.): 45
NYTMN (km.): 4608.724 NYTME (km.): 593.132 Building: B/020

Emission Point: SR002

Height (ft.): 76 Diameter (in.): 45
NYTMN (km.): 4608.724 NYTME (km.): 593.132 Building: B/020

Emission Point: SR003

Height (ft.): 76 Diameter (in.): 45
NYTMN (km.): 4608.724 NYTME (km.): 593.132 Building: B/020

Emission Point: SR006

Height (ft.): 50 Diameter (in.): 36
NYTMN (km.): 4608.724 NYTME (km.): 593.132 Building: B/026

Emission Point: SR007

Height (ft.): 50 Diameter (in.): 36
NYTMN (km.): 4608.724 NYTME (km.): 593.132 Building: B/026

Item 65.2(From Mod 2):

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

Emission Unit: B-00001



Emission Point: D42TA
Height (ft.): 68 Diameter (in.): 36
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/012

Emission Point: D42TG
Height (ft.): 68 Diameter (in.): 36
Building: B/012

Item 65.3(From Mod 2):

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

Emission Unit: C-00001

Emission Point: 242FA
Height (ft.): 54 Diameter (in.): 16
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/002

Emission Point: 242KM
Height (ft.): 61 Diameter (in.): 26
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/002

Emission Point: 242NI
Height (ft.): 55 Diameter (in.): 18
Building: B/002

Emission Point: 342CD
Height (ft.): 53 Diameter (in.): 16
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342CK
Height (ft.): 54 Diameter (in.): 24
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342CP
Height (ft.): 47 Length (in.): 20 Width (in.): 30
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342FA
Height (ft.): 55 Diameter (in.): 21
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342MA
Height (ft.): 52 Diameter (in.): 36
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342MB
Height (ft.): 52 Diameter (in.): 18
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342MC
Height (ft.): 53 Diameter (in.): 18
Building: B/003

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Emission Point: 342TB
Height (ft.): 51 Diameter (in.): 20
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342TL
Height (ft.): 50 Diameter (in.): 24
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342WE
Height (ft.): 50 Diameter (in.): 19
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342WF
Height (ft.): 55 Length (in.): 16 Width (in.): 8
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 342WG
Height (ft.): 55 Diameter (in.): 24
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: 343PF
Height (ft.): 53 Diameter (in.): 16
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/003

Emission Point: C122X
Height (ft.): 47 Diameter (in.): 17
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/002

Item 65.4(From Mod 2):

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

Emission Unit: D-00001

Emission Point: W42GD
Height (ft.): 26 Diameter (in.): 14
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/450

Emission Point: W42ST
Height (ft.): 30 Length (in.): 36 Width (in.): 36
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/450

Emission Point: W42WG
Height (ft.): 35 Diameter (in.): 22
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/450

Emission Point: W42WH
Height (ft.): 35 Diameter (in.): 22
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/450

Item 65.5(From Mod 2):

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



Emission Unit: H-00001

Emission Point: W42AK
Height (ft.): 16 Diameter (in.): 12
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/028

Emission Point: W42AM
Height (ft.): 99 Diameter (in.): 8
NYTMN (km.): 4611.924 NYTME (km.): 588.532 Building: B/028

Condition 66: Process Definition By Emission Unit
Effective between the dates of 02/27/2001 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 66.1(From Mod 2):

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

Emission Unit: A-00001
Process: AOA
Process Description: Boilers in B/020 Burning Natural Gas

Emission Source/Control: A0001 - Combustion

Emission Source/Control: A0002 - Combustion

Emission Source/Control: A0003 - Combustion

Item 66.2(From Mod 2):

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

Emission Unit: A-00001
Process: AOB
Process Description: Boilers in B/020 Burning No. 6 Fuel Oil

Emission Source/Control: A0001 - Combustion

Emission Source/Control: A0002 - Combustion

Emission Source/Control: A0003 - Combustion

Item 66.3(From Mod 2):

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

Emission Unit: A-00001
Process: AOC
Process Description: Boilers in B/026 Burning Natural Gas

Emission Source/Control: A0004 - Combustion

Emission Source/Control: A0005 - Combustion



Item 66.4(From Mod 2):

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

Emission Unit: A-00001
Process: AOD
Process Description: Boilers in B/026 Burning No. 6 Fuel Oil

Emission Source/Control: A0004 - Combustion

Emission Source/Control: A0005 - Combustion

Item 66.5(From Mod 2):

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

Emission Unit: B-00001
Process: BOA
Process Description: Testing and manufacturing activities for B/012

Emission Source/Control: BA001 - Process

Emission Source/Control: BA002 - Process

Emission Source/Control: BA003 - Process

Emission Source/Control: BA047 - Process

Emission Source/Control: BA059 - Process

Item 66.6(From Mod 2):

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

Emission Unit: C-00001
Process: COA
Process Description:
Soldering and cleaning of parts for assembly and testing
of large information systems and their components in
B/002

Emission Source/Control: CA017 - Process

Emission Source/Control: CA018 - Process

Emission Source/Control: CA019 - Process

Emission Source/Control: CA020 - Process

Emission Source/Control: CA021 - Process

Emission Source/Control: CA022 - Process

Emission Source/Control: CA023 - Process

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- Emission Source/Control: CA024 - Process
- Emission Source/Control: CA025 - Process
- Emission Source/Control: CA026 - Process
- Emission Source/Control: CA027 - Process
- Emission Source/Control: CA028 - Process
- Emission Source/Control: CA029 - Process
- Emission Source/Control: CA030 - Process
- Emission Source/Control: CA031 - Process
- Emission Source/Control: CA032 - Process
- Emission Source/Control: CA033 - Process
- Emission Source/Control: CA034 - Process
- Emission Source/Control: CA035 - Process
- Emission Source/Control: CA036 - Process
- Emission Source/Control: CA037 - Process
- Emission Source/Control: CA038 - Process
- Emission Source/Control: CA039 - Process
- Emission Source/Control: CA040 - Process
- Emission Source/Control: CA041 - Process
- Emission Source/Control: CA042 - Process
- Emission Source/Control: CA043 - Process
- Emission Source/Control: CA044 - Process
- Emission Source/Control: CA045 - Process
- Emission Source/Control: CA046 - Process
- Emission Source/Control: CA047 - Process
- Emission Source/Control: CA048 - Process
- Emission Source/Control: CA049 - Process



Emission Source/Control: CA050 - Process

Item 66.7(From Mod 2):

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

Emission Unit: C-00001

Process: COB

Process Description:

Metal masks are manufactured using electroplating and etching in B/003

Emission Source/Control: CB006 - Process

Emission Source/Control: CB008 - Process

Emission Source/Control: CB009 - Process

Emission Source/Control: CB010 - Process

Emission Source/Control: CB011 - Process

Emission Source/Control: CB012 - Process

Emission Source/Control: CB013 - Process

Emission Source/Control: CB016 - Process

Emission Source/Control: CB018 - Process

Emission Source/Control: CB019 - Process

Emission Source/Control: CB020 - Process

Emission Source/Control: CB029 - Process

Emission Source/Control: CB032 - Process

Emission Source/Control: CB035 - Process

Emission Source/Control: CB036 - Process

Emission Source/Control: CB039 - Process

Emission Source/Control: CB040 - Process

Emission Source/Control: CB041 - Process

Emission Source/Control: CB045 - Process

Emission Source/Control: CB046 - Process

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- Emission Source/Control: CB047 - Process
- Emission Source/Control: CB048 - Process
- Emission Source/Control: CB050 - Process
- Emission Source/Control: CB051 - Process
- Emission Source/Control: CB052 - Process
- Emission Source/Control: CB053 - Process
- Emission Source/Control: CB054 - Process
- Emission Source/Control: CB055 - Process
- Emission Source/Control: CB056 - Process
- Emission Source/Control: CB057 - Process
- Emission Source/Control: CB058 - Process
- Emission Source/Control: CB059 - Process
- Emission Source/Control: CB061 - Process
- Emission Source/Control: CB062 - Process
- Emission Source/Control: CB063 - Process
- Emission Source/Control: CB069 - Process
- Emission Source/Control: CB071 - Process
- Emission Source/Control: CB073 - Process
- Emission Source/Control: CB076 - Process
- Emission Source/Control: CB077 - Process
- Emission Source/Control: CB078 - Process
- Emission Source/Control: CB082 - Process
- Emission Source/Control: CB092 - Process
- Emission Source/Control: CB093 - Process
- Emission Source/Control: CB095 - Process
- Emission Source/Control: CB096 - Process



- Emission Source/Control: CB103 - Process
- Emission Source/Control: CB104 - Process
- Emission Source/Control: CB105 - Process
- Emission Source/Control: CB106 - Process
- Emission Source/Control: CB107 - Process
- Emission Source/Control: CB108 - Process
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- Emission Source/Control: CB125 - Process
- Emission Source/Control: CB126 - Process
- Emission Source/Control: CB127 - Process
- Emission Source/Control: CB128 - Process



Emission Source/Control: CB129 - Process

Emission Source/Control: CB130 - Process

Emission Source/Control: CB131 - Process

Emission Source/Control: CB132 - Process

Emission Source/Control: CB133 - Process

Item 66.8(From Mod 2):

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

Emission Unit: D-00001

Process: DOA

Process Description: Wastewater treatment in B/450

Emission Source/Control: DA001 - Process

Emission Source/Control: DA002 - Process

Emission Source/Control: DA003 - Process

Emission Source/Control: DA005 - Process

Item 66.9(From Mod 2):

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

Emission Unit: H-00001

Process: HOA

Process Description:

Activities involving chemical storage and transfer in
B/028

Emission Source/Control: HA001 - Process

Emission Source/Control: HA002 - Process

