

New York State Department of Environmental Conservation
Facility DEC ID: 3132800025



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-1328-00025/01028
Effective Date: 12/04/2006 Expiration Date: 12/03/2011

Permit Issued To: IBM CORP
NEW ORCHARD RD
ARMONK, NY 10504

Contact: EMPIRE STATE DEVELOPMENT CORP
30 SOUTH PEARL ST
ALBANY, NY 12245
(800) 782-8369

Facility: IBM EAST FISHKILL FACILITY
2070 ST RTE 52
HOPEWELL JUNCTION, NY 12533

Description:

The IBM East Fishkill facility is engaged in the development and manufacture of semiconductors for the computer and electronic industries. Emissions from the facility of Sulfur Dioxide, Oxides of Nitrogen (NO_x) and Volatile Organic Compounds (VOCs) are above major source thresholds as defined by the Federal Clean Air Act and therefore required to obtain a Title V permit.

Emission Unit A00001 consists of eight (8) 72 MMBTU/hr natural gas fired boilers with low NO_x burners utilizing #6 fuel oil as a backup.

All tanks at the facility are exempt from 6 NYCRR 229 requirements pursuant to 6NYCRR 229.1(f)(1) or 6 NYCRR 229.1(f)(4) (horizontal petroleum or volatile organic liquid storage tanks). The vertical tanks have conservation vents and are pressurized with nitrogen to prevent emissions of volatile organic compounds to the outside atmosphere. The nitrogen pressure system is monitored periodically to ensure the system is working properly.

The manufacturing portion of the facility is subject to 6 NYCRR 212 regulations. Two Eisenmann Regenerative Thermal Oxidizers (RTOs) are utilized for the destruction of emissions from process 0J1, Casting in Building 330. One Eisenmann Regenerative Thermal Oxidizer is used for the destruction of emissions from process 0J5, Sintering in Building 330. One Eisenmann Regenerative Thermal Oxidizer is used for the destruction of emissions from process 0WF, Wafer Fabrication in Building 323. One Eisenmann Regenerative Thermal Oxidizer is used for the destruction of emissions from process WFJ, Wafer Fabrication in Building 323A. All RTOs have continuous monitors and data recorders to document combustion and exhaust temperatures. The continuous monitors must be operated at all times when the associated process equipment is operating except during any quality assurance and routine maintenance activities. Each monitor must be operated according to a quality assurance program

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approved by the Department.

Three emission sources in Emission Unit C00001, Process J1 (Casting in Building 330), are subject to 6 NYCRR 226. The Solvent Metal Cleaning Processes regulations detail general and operating requirements as well as equipment specifications.

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 SOUTH 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 permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:



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Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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 4.2:

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 4.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 5: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 5.1:

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

Item 6.1:

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;

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

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

Condition 7: Submission of Applications for Permit Modification or Renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 7.1:

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 8: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 8.1:

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



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: IBM CORP
NEW ORCHARD RD
ARMONK, NY 10504

Facility: IBM EAST FISHKILL FACILITY
2070 ST RTE 52
HOPEWELL JUNCTION, NY 12533

Authorized Activity By Standard Industrial Classification Code:
3471 - ELECTROPLATING, POLISHING, ANODIZING, AND COLORING
3674 - SEMICONDUCTORS & RELATED DEVICES
3679 - ELECTRONIC COMPONENTS, NEC

Permit Effective Date: 12/04/2006

Permit Expiration Date: 12/03/2011



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 13 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 14 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 15 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 16 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 17 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 18 6NYCRR 202-1.1: Required Emissions Tests
- 19 6NYCRR 211.3: Visible Emissions Limited
- 20 40CFR 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6NYCRR 200.7: Compliance Certification
- 23 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 24 6NYCRR 201-6: Emission Unit Definition
- 25 6NYCRR 201-6.5(g): Non Applicable requirements
- 26 6NYCRR 212.4(c): Compliance Certification
- 27 6NYCRR 212.6(a): Compliance Certification
- 28 6NYCRR 212.10(c)(1): Compliance Certification
- 29 6NYCRR 212.11(b)(5): Compliance Certification
- 30 6NYCRR 225-1.2(a)(2): Compliance Certification
- 31 6NYCRR 225-1.2(a)(2): Compliance Certification

Emission Unit Level

- 32 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 33 6NYCRR 201-6: Process Definition By Emission Unit

EU=A-00001

- 34 6NYCRR 227-1.3(a): Compliance Certification
- 35 6NYCRR 227-2.4(c): Compliance Certification
- 36 6NYCRR 227.2(b)(1): Compliance Certification

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EU=A-00001,Proc=MB6,ES=00008

- 37 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification
- 38 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 39 40CFR 60.44c(g), NSPS Subpart Dc: Alternative compliance method for sulfur dioxide.
- 40 40CFR 60.44c(g), NSPS Subpart Dc: Alternative compliance methods for sulfur dioxide.
- 41 40CFR 60.45c(a), NSPS Subpart Dc: Compliance Certification
- 42 40CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
- 43 40CFR 60.47c, NSPS Subpart Dc: Compliance Certification
- 44 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
- 45 40CFR 60.48c(c), NSPS Subpart Dc: Compliance Certification
- 46 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification
- 47 40CFR 60.48c(f)(2), NSPS Subpart Dc: Compliance Certification
- 48 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification

EU=B-00001

- 49 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications
- 50 6NYCRR 212.4(b): Emissions from new emission sources and/or modifications not specified by Table 2

EU=C-00001

- 51 6NYCRR 226.3: Compliance Certification

EU=C-00001,Proc=0J1

- 52 6NYCRR 226.2: Compliance Certification
- 53 6NYCRR 226.3(a): Compliance Certification
- 54 6NYCRR 226.4(a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 55 ECL 19-0301: Contaminant List
- 56 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 57 6NYCRR 211.2: Air pollution prohibited



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Emergency Defense - 6NYCRR Part 201-1.5

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

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

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

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

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

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

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

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order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

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

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

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

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

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Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit



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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 12/04/2006 and 12/03/2011**

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



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any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees

Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 2.1:

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

Condition 3: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 3.1:

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

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

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

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

Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



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regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

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

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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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following:

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

USEPA Region 2

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

The address for the RAPCE is as follows:

21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April
15th each year for emissions of the previous calendar
year.

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

Condition 8: Recordkeeping requirements
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 202-2.5



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Item 8.1:

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

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

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

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 215

Item 9.1:

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

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

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 201-1.7

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Item 11.1:

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

Condition 12: Exempt Sources - Proof of Eligibility
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 12.1:

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 13: Trivial Sources - Proof of Eligibility
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 13.1:

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 14: Standard Requirement - Provide Information
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 14.1:

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



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Condition 15: General Condition - Right to Inspect
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 15.1:

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

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 16: Standard Requirements - Progress Reports
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 16.1:

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

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 17: Off Permit Changes
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 17.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or



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compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

Condition 18: Required Emissions Tests
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 18.1:

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

Condition 19: Visible Emissions Limited
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 211.3

Item 19.1:

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 20: Accidental release provisions.
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 68

Item 20.1:

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

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

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 21.1:

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

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

Condition 22: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 200.7

Item 22.1:

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

Emission Unit: C-00001

Emission Unit: I-00001

Emission Unit: J-00001

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Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

IBM shall continue to operate the Regenerative Thermal Oxidizers (RTOs) in support of providing overcontrol of Volatile Organic Compounds and control of potential on-site odors.

The RTOs, Emission Sources 0RTO3, 0RTO4 and 0RTO5 (Emission Unit C-00001); 0VRTO (Emission Unit I-00001); and 0SOLV (Emission Unit J-00001), shall be energy efficient and operated in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards, and procedures, inclusive of manufacturer's specifications.

The permittee shall keep record of the date, time and duration of all periods the RTOs was not in operation during the normal operations of the equipment that it controls including startup/shutdown, malfunction or curtailment. These downtime events shall be reported to the Department semiannually. Malfunction/maintenance events over 4 days shall require written notification to the Department within 30 days of repair/completion of maintenance. These notifications shall describe the date, time, duration, cause and corrective action.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 23: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 23.1:



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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 24: Emission Unit Definition
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 201-6

Item 24.1:

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

Emission Unit: A-00001

Emission Unit Description:

This emission unit consists of eight 72 MMBtu/hr natural gas fired boilers (with No. 6 fuel backup).

Building(s): B/315

Item 24.2:

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

Emission Unit: B-00001

Emission Unit Description:

This emission unit consist of chemical packaging, storage tanks, hazardous waste storage and the Chemical Distribution Center.

Building(s): B/300

B/316

B/317

B/325

B/384

B/386

Item 24.3:

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

Emission Unit: C-00001

Emission Unit Description:

This emission unit consists of Raw Material Preparation/Casting operations (ball milling, casting of ceramics and cleaning of casters) and Ceramic Packaging.

Building(s): B/300

B/330C

B/330D

B/330G

B/338



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Item 24.4:

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

Emission Unit: F-00001

Emission Unit Description:

This emission unit consists of multiple processes, thin film, ceramics package, wafer processing, resist application, spin platform, and tool cleaning.

Building(s): B/334

Item 24.5:

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

Emission Unit: G-00001

Emission Unit Description:

This emission unit consists of multiple processes, precision timing piece, and wafer applications.

Building(s): B/310

Item 24.6:

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

Emission Unit: H-00001

Emission Unit Description:

This emission unit consists of the facility's chillers.

Building(s): B/315
B/316
SITE

Item 24.7:

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

Emission Unit: I-00001

Emission Unit Description:

This emission unit consists of wafer fabrication in B/323

Building(s): B/323

Item 24.8:

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

Emission Unit: J-00001

Emission Unit Description:

This emission unit will consist of wafer fabrication in B/323A.

Building(s): B/323A

Item 24.9:



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

Emission Unit: K-00001

Emission Unit Description:

C4 Plating Operations.

Building(s): B/320B

B/320B&334

B/334

Condition 25: Non Applicable requirements
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 25.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6NYCRR 229.1(f)(1)

Reason: The tanks at this facility are pressurized fixed roof tanks with conservation vents which are capable of maintaining a working pressure to prevent emissions of VOCs. Per 6 NYCRR 229.1(f)(1), these tanks are exempt from Part 229.

The Nitrogen pressure system on the tanks shall be checked periodically to ensure the system is operating properly. Corrective action will be taken immediately if necessary.

Condition 26: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 26.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: B-00001

Emission Unit: C-00001

Emission Unit: F-00001

Emission Unit: G-00001

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Emission Unit: I-00001

Emission Unit: J-00001

Emission Unit: K-00001

Item 26.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable, and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulate per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 27: Compliance Certification

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 27.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: B-00001

Emission Unit: C-00001

Emission Unit: F-00001



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Emission Unit: G-00001

Emission Unit: I-00001

Emission Unit: J-00001

Emission Unit: K-00001

Item 27.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 28: Compliance Certification

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 212.10(c)(1)

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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A Reasonably Available Control Technology (RACT) analysis is not required for emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and the New York City metropolitan areas.

IBM will maintain records to verify VOC and NOx emission rate potentials for emission points that meet this exemption.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 29: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 212.11(b)(5)

Item 29.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: C-00001

Emission Unit: I-00001

Emission Unit: J-00001

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission Sources 0RTO3, 0RTO4, 0RTO5, 0VRTO and 0SOLV are Eisenmann Regenerative Thermal Oxidizers. Continuous monitors and data recorders are required to measure combustion and outlet temperatures. Continuous monitors must be operated at all times when the associated process equipment is operating except during any quality assurance and routine maintenance activities. Each monitor must be operated according to a quality assurance program approved by the Department.

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ORTO3 and ORTO4 are in Emission Unit C-00001, Process OJ1.

ORTO5 is in Emission Unit C-00001, Process OJ5.

OVRTO is in Emission Unit I-00001, Process OWF.

OSOLV is in Emission Unit J-00001, Process WFJ.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 30: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 31: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

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

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Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

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

**Condition 32: Emission Point Definition By Emission Unit
Effective between the dates of 12/04/2006 and 12/03/2011**

Applicable Federal Requirement: 6NYCRR 201-6

Item 32.1:

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

Emission Unit: A-00001

Emission Point: 00001

Height (ft.): 57

Diameter (in.): 36

NYTMN (km.): 4599.435 NYTME (km.): 598.239 Building: B/315

Emission Point: 00002

Height (ft.): 57

Diameter (in.): 36

NYTMN (km.): 4599.435 NYTME (km.): 598.246 Building: B/315



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Emission Point: 00003
Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4599.44 NYTME (km.): 598.251 Building: B/315

Emission Point: 00004
Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4599.444 NYTME (km.): 598.256 Building: B/315

Emission Point: 00005
Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4599.434 NYTME (km.): 598.232 Building: B/315

Emission Point: 00006
Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4599.445 NYTME (km.): 598.272 Building: B/315

Emission Point: 00007
Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4599.445 NYTME (km.): 598.28 Building: B/315

Emission Point: 00008
Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4599.451 NYTME (km.): 598.288 Building: B/315

Item 32.2:

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

Emission Unit: B-00001

Emission Point: 0NH31
Height (ft.): 56 Diameter (in.): 3
NYTMN (km.): 4599.644 NYTME (km.): 598.44 Building: B/317

Emission Point: 0NH32
Height (ft.): 56 Diameter (in.): 3
NYTMN (km.): 4599.652 NYTME (km.): 598.437 Building: B/317

Emission Point: 0T283
Height (ft.): 45 Diameter (in.): 4
NYTMN (km.): 4599.59 NYTME (km.): 598.425 Building: B/316

Emission Point: 0T284
Height (ft.): 45 Diameter (in.): 4
NYTMN (km.): 4599.591 NYTME (km.): 598.433 Building: B/316

Emission Point: PTWT2



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Height (ft.): 10 Diameter (in.): 6
NYTMN (km.): 4599.753 NYTME (km.): 598.263 Building: B/386

Emission Point: T3228
Height (ft.): 45 Diameter (in.): 4
NYTMN (km.): 4599.589 NYTME (km.): 598.427 Building: B/316

Item 32.3:

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

Emission Unit: C-00001

Emission Point: OHA23
Height (ft.): 28 Diameter (in.): 30
NYTMN (km.): 4599.178 NYTME (km.): 598.504 Building: B/330C

Emission Point: OHC32
Height (ft.): 277 Diameter (in.): 20
NYTMN (km.): 4599.09 NYTME (km.): 598.547

Emission Point: OHE26
Height (ft.): 28 Diameter (in.): 21
NYTMN (km.): 4599.136 NYTME (km.): 598.498 Building: B/330C

Emission Point: OHE33
Height (ft.): 33 Diameter (in.): 42
NYTMN (km.): 4599.078 NYTME (km.): 598.54 Building: B/330C

Emission Point: OHEF1
Height (ft.): 28 Diameter (in.): 24
NYTMN (km.): 4599.059 NYTME (km.): 598.387 Building: B/330C

Emission Point: OHF29
Height (ft.): 26 Diameter (in.): 30
NYTMN (km.): 4599.111 NYTME (km.): 598.507 Building: B/330C

Emission Point: OHH27
Height (ft.): 15 Diameter (in.): 42
NYTMN (km.): 4599.115 NYTME (km.): 598.48

Emission Point: OHJ41
Height (ft.): 19 Diameter (in.): 73
NYTMN (km.): 4599.007 NYTME (km.): 598.544 Building: B/338

Emission Point: OHL37
Height (ft.): 26 Diameter (in.): 30
NYTMN (km.): 4599.028 NYTME (km.): 598.519 Building: B/330C



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Emission Point: OHM31
Height (ft.): 24 Diameter (in.): 16
NYTMN (km.): 4599.069 NYTME (km.): 598.481 Building: B/330C

Emission Point: OHM33
Height (ft.): 26 Diameter (in.): 24
NYTMN (km.): 4599.053 NYTME (km.): 598.492 Building: B/330C

Emission Point: OHQ36
Height (ft.): 26 Diameter (in.): 30
NYTMN (km.): 4599.02 NYTME (km.): 598.489 Building: B/330C

Emission Point: OHR24
Height (ft.): 275 Diameter (in.): 30
NYTMN (km.): 4599.108 NYTME (km.): 598.424

Emission Point: OHS32
Height (ft.): 26 Diameter (in.): 21
NYTMN (km.): 4599.043 NYTME (km.): 598.46 Building: B/330C

Emission Point: OHS37
Height (ft.): 26 Diameter (in.): 30
NYTMN (km.): 4599.007 NYTME (km.): 598.484 Building: B/330C

Emission Point: OHT24
Height (ft.): 275 Diameter (in.): 30
NYTMN (km.): 4599.1 NYTME (km.): 598.412

Emission Point: OHT33
Height (ft.): 26 Diameter (in.): 42
NYTMN (km.): 4599.03 NYTME (km.): 598.459 Building: B/330C

Emission Point: OHX27
Height (ft.): 26 Diameter (in.): 30
NYTMN (km.): 4599.068 NYTME (km.): 598.417 Building: B/330C

Emission Point: OJEF3
Height (ft.): 28 Diameter (in.): 24
NYTMN (km.): 4598.873 NYTME (km.): 598.295 Building: B/330D

Emission Point: OJEF5
Height (ft.): 80 Diameter (in.): 24
NYTMN (km.): 4598.6 NYTME (km.): 598.2 Building: B/330D

Emission Point: ORTO3
Height (ft.): 50 Diameter (in.): 30



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NYTMN (km.): 4598.995 NYTME (km.): 598.441

Emission Point: ORTO4

Height (ft.): 50 Diameter (in.): 30

NYTMN (km.): 4599.222 NYTME (km.): 598.528

Emission Point: ORTO5

Height (ft.): 70 Diameter (in.): 30

NYTMN (km.): 4598.801 NYTME (km.): 598.367

Emission Point: AN27A

Height (ft.): 28 Diameter (in.): 20

NYTMN (km.): 4599.053 NYTME (km.): 598.3 Building: B/330C

Emission Point: AN27B

Height (ft.): 24 Diameter (in.): 24

NYTMN (km.): 4599.043 NYTME (km.): 598.345 Building: B/330C

Emission Point: BG27A

Height (ft.): 261 Diameter (in.): 19

NYTMN (km.): 4598.95 NYTME (km.): 598.25

Emission Point: CHH30

Height (ft.): 259 Diameter (in.): 20

NYTMN (km.): 4599.09 NYTME (km.): 598.506

Emission Point: CHL31

Height (ft.): 277 Diameter (in.): 30

NYTMN (km.): 4599.1 NYTME (km.): 598.49

Emission Point: CHY27

Height (ft.): 274 Diameter (in.): 30

NYTMN (km.): 4599.06 NYTME (km.): 598.41

Emission Point: DAZ34

Height (ft.): 10 Diameter (in.): 18

NYTMN (km.): 4598.921 NYTME (km.): 598.892

Emission Point: HAB25

Height (ft.): 24 Diameter (in.): 21

NYTMN (km.): 4599.062 NYTME (km.): 598.378 Building: B/330C

Emission Point: HAB31

Height (ft.): 28 Diameter (in.): 19

NYTMN (km.): 4599.022 NYTME (km.): 598.412 Building: B/330C

Emission Point: HD29A



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Height (ft.): 58 Diameter (in.): 30
NYTMN (km.): 4599.12 NYTME (km.): 598.522 Building: B/330C

Emission Point: HQ432
Height (ft.): 28 Diameter (in.): 36
NYTMN (km.): 4598.972 NYTME (km.): 598.523 Building: B/338

Emission Point: HQ433
Height (ft.): 28 Diameter (in.): 36
NYTMN (km.): 4598.973 NYTME (km.): 598.525 Building: B/338

Emission Point: HZX24
Height (ft.): 56 Diameter (in.): 40
NYTMN (km.): 4599.184 NYTME (km.): 598.525 Building: B/330C

Emission Point: JAZ30
Height (ft.): 45 Diameter (in.): 19
NYTMN (km.): 4598.853 NYTME (km.): 598.303 Building: B/330C

Emission Point: JBA42
Height (ft.): 45 Diameter (in.): 30
NYTMN (km.): 4598.886 NYTME (km.): 598.361 Building: B/330C

Emission Point: JBB38
Height (ft.): 255 Diameter (in.): 19
NYTMN (km.): 4598.884 NYTME (km.): 598.33

Emission Point: JBB40
Height (ft.): 45 Diameter (in.): 30
NYTMN (km.): 4598.884 NYTME (km.): 598.344 Building: B/330C

Emission Point: JBB42
Height (ft.): 261 Diameter (in.): 19
NYTMN (km.): 4598.852 NYTME (km.): 598.355

Emission Point: JBB44
Height (ft.): 45 Diameter (in.): 19
NYTMN (km.): 4598.836 NYTME (km.): 598.366 Building: B/330C

Emission Point: JBD28
Height (ft.): 45 Diameter (in.): 21
NYTMN (km.): 4598.955 NYTME (km.): 598.271 Building: B/330C

Emission Point: JBD34
Height (ft.): 45 Diameter (in.): 42
NYTMN (km.): 4598.906 NYTME (km.): 598.304 Building: B/330C



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Emission Point: JBD43
Height (ft.): 46 Diameter (in.): 19
NYTMN (km.): 4598.837 NYTME (km.): 598.352 Building: B/330C

Emission Point: JBG38
Height (ft.): 52 Diameter (in.): 21
NYTMN (km.): 4598.857 NYTME (km.): 598.312 Building: B/330C

Emission Point: JEF10
Height (ft.): 11 Diameter (in.): 36
NYTMN (km.): 4599. NYTME (km.): 598.3 Building: B/330D

Emission Point: JEF11
Height (ft.): 11 Diameter (in.): 36
NYTMN (km.): 4599. NYTME (km.): 598.2 Building: B/330D

Emission Point: JEF12
Height (ft.): 279 Diameter (in.): 30
NYTMN (km.): 4599.444 NYTME (km.): 598.44 Building: B/330D

Emission Point: T3501
Height (ft.): 10 Diameter (in.): 6
NYTMN (km.): 4599.003 NYTME (km.): 598.543 Building: B/338

Item 32.4:

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

Emission Unit: F-00001

Emission Point: 00LB2
Height (ft.): 53 Diameter (in.): 40
NYTMN (km.): 4599.307 NYTME (km.): 598.324 Building: B/334

Emission Point: 00LC9
Height (ft.): 53 Diameter (in.): 36
NYTMN (km.): 4599.249 NYTME (km.): 598.361 Building: B/334

Emission Point: 0FLC5
Height (ft.): 273 Diameter (in.): 42
NYTMN (km.): 4599.28 NYTME (km.): 598.34

Emission Point: 0LB10
Height (ft.): 53 Diameter (in.): 40
NYTMN (km.): 4599.243 NYTME (km.): 598.363 Building: B/334

Emission Point: 0LC6N
Height (ft.): 53 Diameter (in.): 42



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NYTMN (km.): 4599.275 NYTME (km.): 598.34 Building: B/334

Emission Point: FHE33

Height (ft.): 35 Diameter (in.): 42

NYTMN (km.): 4599.078 NYTME (km.): 598.54 Building: B/330C

Emission Point: FHG30

Height (ft.): 275 Diameter (in.): 30

NYTMN (km.): 4599.09 NYTME (km.): 598.51

Emission Point: FHS32

Height (ft.): 28 Diameter (in.): 21

NYTMN (km.): 4599.043 NYTME (km.): 598.46 Building: B/330C

Item 32.5:

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

Emission Unit: G-00001

Emission Point: 00CX9

Height (ft.): 24 Diameter (in.): 24

NYTMN (km.): 4599.713 NYTME (km.): 598.068 Building: B/310

Emission Point: 0CG24

Height (ft.): 270 Diameter (in.): 30

NYTMN (km.): 4599.64 NYTME (km.): 598.19

Emission Point: 0CH20

Height (ft.): 23 Diameter (in.): 30

NYTMN (km.): 4599.661 NYTME (km.): 598.173 Building: B/310

Emission Point: 0CR10

Height (ft.): 29 Diameter (in.): 19

NYTMN (km.): 4599.722 NYTME (km.): 598.113 Building: B/310

Emission Point: 0CY10

Height (ft.): 23 Diameter (in.): 30

NYTMN (km.): 4599.701 NYTME (km.): 598.066 Building: B/310

Item 32.6:

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

Emission Unit: I-00001

Emission Point: 00ACD

Height (ft.): 71 Diameter (in.): 72

Building: B/323



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Emission Point: 00CAS Height (ft.): 71	Diameter (in.): 36	Building: B/323
Emission Point: 00VOC Height (ft.): 71	Diameter (in.): 36	Building: B/323
Emission Point: 01ACD Height (ft.): 71	Diameter (in.): 72	Building: B/323
Emission Point: 01CAS Height (ft.): 71	Diameter (in.): 36	Building: B/323
Emission Point: 01VOC Height (ft.): 71	Diameter (in.): 36	Building: B/323
Emission Point: GEN01 Height (ft.): 71	Diameter (in.): 48	Building: B/323
Emission Point: GEN02 Height (ft.): 71	Diameter (in.): 48	Building: B/323
Emission Point: GEN03 Height (ft.): 71	Diameter (in.): 48	Building: B/323
Emission Point: GEN04 Height (ft.): 71	Diameter (in.): 48	Building: B/323
Emission Point: GEN05 Height (ft.): 71	Diameter (in.): 48	Building: B/323

Item 32.7:

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

Emission Unit: J-00001

Emission Point: 03ACD



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Height (ft.): 71	Diameter (in.): 72	Building: B/323A
Emission Point: 03CAS Height (ft.): 71	Diameter (in.): 36	Building: B/323A
Emission Point: 03VOC Height (ft.): 71	Diameter (in.): 36	Building: B/323A
Emission Point: GEN07 Height (ft.): 71	Diameter (in.): 48	Building: B/323A

Item 32.8:

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

Emission Unit: K-00001		
Emission Point: 00LC5 Height (ft.): 53 NYTMN (km.): 4599.278	Diameter (in.): 42 NYTME (km.): 598.338	Building: B/334
Emission Point: 00LC7 Height (ft.): 43 NYTMN (km.): 4599.269	Diameter (in.): 42 NYTME (km.): 598.344	Building: B/334
Emission Point: 0BC4A Height (ft.): 273	Diameter (in.): 41	
Emission Point: 0BC4S Height (ft.): 35 NYTMN (km.): 4599.6	Diameter (in.): 24 NYTME (km.): 598.07	Building: B/320B
Emission Point: 0KLB2 Height (ft.): 273 NYTMN (km.): 4599.307	Diameter (in.): 41 NYTME (km.): 598.323	
Emission Point: 0KLC9 Height (ft.): 273 NYTMN (km.): 4599.249	Diameter (in.): 36 NYTME (km.): 598.361	
Emission Point: C4ACI Height (ft.): 32	Diameter (in.): 36	Building: B/320B



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Emission Point: C4SOL

Height (ft.): 32

Diameter (in.): 16

Building: B/320B

Emission Point: KLB10

Height (ft.): 273

Diameter (in.): 41

NYTMN (km.): 4599.242 NYTME (km.): 598.362

Emission Point: KLC6N

Height (ft.): 273

Diameter (in.): 42

NYTMN (km.): 4599.275 NYTME (km.): 598.34

Condition 33: Process Definition By Emission Unit
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 201-6

Item 33.1:

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

Emission Unit: A-00001

Process: MB6

Source Classification Code: 1-02-004-02

Process Description:

EIGHT 72 MMBTU/HR BOILERS BURNING NO. 6
FUEL OIL AS BACKUP.

Emission Source/Control: 00001 - Combustion

Emission Source/Control: 00002 - Combustion

Emission Source/Control: 00003 - Combustion

Emission Source/Control: 00004 - Combustion

Emission Source/Control: 00005 - Combustion

Emission Source/Control: 00006 - Combustion

Emission Source/Control: 00007 - Combustion

Emission Source/Control: 00008 - Combustion

Item 33.2:

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

Emission Unit: A-00001

Process: MBN

Source Classification Code: 1-02-006-02



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Facility DEC ID: 3132800025

Process Description:

EIGHT 72 MMBTU/HR BOILERS BURNING NATURAL
GAS (WITH NO. 6 FUEL OIL AS BACKUP).

Emission Source/Control: 00001 - Combustion

Emission Source/Control: 00002 - Combustion

Emission Source/Control: 00003 - Combustion

Emission Source/Control: 00004 - Combustion

Emission Source/Control: 00005 - Combustion

Emission Source/Control: 00006 - Combustion

Emission Source/Control: 00007 - Combustion

Emission Source/Control: 00008 - Combustion

Item 33.3:

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

Emission Unit: B-00001

Process: 316

Source Classification Code: 4-07-999-97

Process Description: CHEMICAL HANDLING IN B/316

Emission Source/Control: 0T283 - Process

Emission Source/Control: 0T284 - Process

Emission Source/Control: T3228 - Process

Item 33.4:

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

Emission Unit: B-00001

Process: 317

Source Classification Code: 3-13-065-99

Process Description: Chemical Handling B/317

Emission Source/Control: 01SC1 - Process

Emission Source/Control: 01T1A - Process

Emission Source/Control: 01T1B - Process

Emission Source/Control: 02SC1 - Process

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Emission Source/Control: 1DIS1 - Process

Emission Source/Control: 2DIS1 - Process

Item 33.5:

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

Emission Unit: B-00001

Process: 386

Source Classification Code: 5-03-007-02

Process Description: CHEMICAL HANDLING IN B/386

Emission Source/Control: PTWT1 - Process

Item 33.6:

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

Emission Unit: C-00001

Process: 0J1

Source Classification Code: 3-13-065-99

Process Description: CASTING IN B/330

Emission Source/Control: 0RTO3 - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 0RTO4 - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 090AA - Process

Emission Source/Control: 119AA - Process

Emission Source/Control: 120AA - Process

Emission Source/Control: 562AA - Process

Emission Source/Control: 648AA - Process

Emission Source/Control: 648AB - Process

Emission Source/Control: 650AA - Process

Emission Source/Control: 672AA - Process

Emission Source/Control: 910AA - Process

Emission Source/Control: 910AB - Process

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- Emission Source/Control: 910AC - Process
- Emission Source/Control: 910AD - Process
- Emission Source/Control: 910AE - Process
- Emission Source/Control: 910AF - Process
- Emission Source/Control: 910AG - Process
- Emission Source/Control: 910AH - Process
- Emission Source/Control: 910AK - Process
- Emission Source/Control: 910AL - Process
- Emission Source/Control: 910AM - Process
- Emission Source/Control: 910AP - Process
- Emission Source/Control: 910AQ - Process
- Emission Source/Control: 910AR - Process
- Emission Source/Control: 910AS - Process
- Emission Source/Control: 910AT - Process
- Emission Source/Control: 910AU - Process
- Emission Source/Control: 910AV - Process
- Emission Source/Control: 910AW - Process
- Emission Source/Control: 910AX - Process
- Emission Source/Control: 910AY - Process
- Emission Source/Control: 910BA - Process
- Emission Source/Control: 910BB - Process
- Emission Source/Control: 974AE - Process
- Emission Source/Control: A08AA - Process
- Emission Source/Control: L1274 - Process

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Emission Source/Control: L2010 - Process

Emission Source/Control: OL113 - Process

Emission Source/Control: OL344 - Process

Emission Source/Control: OL599 - Process

Item 33.7:

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

Emission Unit: C-00001

Process: 0J3

Source Classification Code: 3-13-065-01

Process Description: SCREENING AND AQUEOUS MASK CLEANING

Emission Source/Control: 034AA - Process

Emission Source/Control: 055AE - Process

Emission Source/Control: 055AF - Process

Emission Source/Control: 064AA - Process

Emission Source/Control: 064AB - Process

Emission Source/Control: 064AC - Process

Emission Source/Control: 064AD - Process

Emission Source/Control: 064AE - Process

Emission Source/Control: 064AF - Process

Emission Source/Control: 064AG - Process

Emission Source/Control: 064AK - Process

Emission Source/Control: 064AL - Process

Emission Source/Control: 064AM - Process

Emission Source/Control: 064AR - Process

Emission Source/Control: 064AS - Process

Emission Source/Control: 064AT - Process

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Emission Source/Control: 064AX - Process

Emission Source/Control: 064AY - Process

Emission Source/Control: 064BC - Process

Emission Source/Control: 064BD - Process

Emission Source/Control: 064BE - Process

Emission Source/Control: 064BF - Process

Emission Source/Control: 064BH - Process

Emission Source/Control: 064BK - Process

Emission Source/Control: 064BL - Process

Emission Source/Control: 064BM - Process

Emission Source/Control: 064BN - Process

Emission Source/Control: 064BP - Process

Emission Source/Control: 064BR - Process

Emission Source/Control: 064BY - Process

Emission Source/Control: 064BZ - Process

Emission Source/Control: 064CC - Process

Emission Source/Control: 064CD - Process

Emission Source/Control: 064CF - Process

Emission Source/Control: 064CG - Process

Emission Source/Control: 064ZZ - Process

Emission Source/Control: 081AA - Process

Emission Source/Control: 111AC - Process

Emission Source/Control: 111AD - Process

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- Emission Source/Control: 113AA - Process
- Emission Source/Control: 114AA - Process
- Emission Source/Control: 11AAA - Process
- Emission Source/Control: 127AA - Process
- Emission Source/Control: 128AA - Process
- Emission Source/Control: 128AB - Process
- Emission Source/Control: 130AA - Process
- Emission Source/Control: 1391B - Process
- Emission Source/Control: 154AA - Process
- Emission Source/Control: 312AF - Process
- Emission Source/Control: 312AG - Process
- Emission Source/Control: 312AH - Process
- Emission Source/Control: 312AP - Process
- Emission Source/Control: 312AT - Process
- Emission Source/Control: 312AV - Process
- Emission Source/Control: 375AA - Process
- Emission Source/Control: 405AA - Process
- Emission Source/Control: 441AA - Process
- Emission Source/Control: 461AA - Process
- Emission Source/Control: 461AB - Process
- Emission Source/Control: 461AC - Process
- Emission Source/Control: 53649 - Process
- Emission Source/Control: 536AA - Process
- Emission Source/Control: 536AB - Process

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Emission Source/Control: 536AC - Process

Emission Source/Control: 541AB - Process

Emission Source/Control: 563AA - Process

Emission Source/Control: 56ABF - Process

Emission Source/Control: 580AA - Process

Emission Source/Control: 739AB - Process

Emission Source/Control: 739AC - Process

Emission Source/Control: 739AD - Process

Emission Source/Control: 739AE - Process

Emission Source/Control: 739AF - Process

Emission Source/Control: 739AG - Process

Emission Source/Control: 739AH - Process

Emission Source/Control: 739AJ - Process

Emission Source/Control: 739AK - Process

Emission Source/Control: 739AL - Process

Emission Source/Control: 739AM - Process

Emission Source/Control: 739AN - Process

Emission Source/Control: 739AP - Process

Emission Source/Control: 740AA - Process

Emission Source/Control: 740AB - Process

Emission Source/Control: 740AD - Process

Emission Source/Control: 740AE - Process

Emission Source/Control: 740AF - Process

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- Emission Source/Control: 740AK - Process
- Emission Source/Control: 740AX - Process
- Emission Source/Control: 740AY - Process
- Emission Source/Control: 740AZ - Process
- Emission Source/Control: 740BS - Process
- Emission Source/Control: 740BT - Process
- Emission Source/Control: 740BU - Process
- Emission Source/Control: 740BX - Process
- Emission Source/Control: 740BY - Process
- Emission Source/Control: 740BZ - Process
- Emission Source/Control: 740CA - Process
- Emission Source/Control: 757AA - Process
- Emission Source/Control: 757AC - Process
- Emission Source/Control: 757AD - Process
- Emission Source/Control: 757AE - Process
- Emission Source/Control: 757AF - Process
- Emission Source/Control: 757AG - Process
- Emission Source/Control: 757AH - Process
- Emission Source/Control: 757AI - Process
- Emission Source/Control: 757AJ - Process
- Emission Source/Control: 757AK - Process
- Emission Source/Control: 757AL - Process
- Emission Source/Control: 757AM - Process
- Emission Source/Control: 759AA - Process



- Emission Source/Control: 759AB - Process
- Emission Source/Control: 759AE - Process
- Emission Source/Control: 759AF - Process
- Emission Source/Control: 759AG - Process
- Emission Source/Control: 759AH - Process
- Emission Source/Control: 759AI - Process
- Emission Source/Control: 759AJ - Process
- Emission Source/Control: 759AK - Process
- Emission Source/Control: 759AL - Process
- Emission Source/Control: 759AM - Process
- Emission Source/Control: 759AN - Process
- Emission Source/Control: 759AO - Process
- Emission Source/Control: 759AP - Process
- Emission Source/Control: 759AQ - Process
- Emission Source/Control: 759AR - Process
- Emission Source/Control: 759AS - Process
- Emission Source/Control: 759AT - Process
- Emission Source/Control: 759AU - Process
- Emission Source/Control: 759AV - Process
- Emission Source/Control: 759AW - Process
- Emission Source/Control: 759AX - Process
- Emission Source/Control: 759AY - Process
- Emission Source/Control: 759AZ - Process



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Emission Source/Control: 833AA - Process

Emission Source/Control: 86AAB - Process

Emission Source/Control: 8882B - Process

Emission Source/Control: 897AA - Process

Emission Source/Control: 897AB - Process

Emission Source/Control: 897AD - Process

Emission Source/Control: 897AE - Process

Emission Source/Control: 897AG - Process

Emission Source/Control: 897AH - Process

Emission Source/Control: 897AQ - Process

Emission Source/Control: 897AS - Process

Emission Source/Control: 897AT - Process

Emission Source/Control: 897AW - Process

Emission Source/Control: 897AY - Process

Emission Source/Control: 974AA - Process

Emission Source/Control: L1317 - Process

Emission Source/Control: L1429 - Process

Emission Source/Control: L1786 - Process

Emission Source/Control: L2344 - Process

Emission Source/Control: L2345 - Process

Emission Source/Control: OL685 - Process

Emission Source/Control: T3501 - Process

Item 33.8:

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



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Emission Unit: C-00001

Process: 0J4

Source Classification Code: 3-13-065-99

Process Description: STACKING AND LAMINATION IN B/330

Emission Source/Control: 480AB - Process

Emission Source/Control: 480AH - Process

Emission Source/Control: 480AL - Process

Emission Source/Control: 550AA - Process

Emission Source/Control: 6324A - Process

Emission Source/Control: 833AB - Process

Emission Source/Control: L1088 - Process

Item 33.9:

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

Emission Unit: C-00001

Process: 0J5

Source Classification Code: 3-13-070-01

Process Description: SINTERING IN B/330

Emission Source/Control: 0RTO5 - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 0209A - Process

Emission Source/Control: 0210A - Process

Emission Source/Control: 022AA - Process

Emission Source/Control: 061AM - Process

Emission Source/Control: 063AA - Process

Emission Source/Control: 0784B - Process

Emission Source/Control: 155AA - Process

Emission Source/Control: 155AB - Process

Emission Source/Control: 164BB - Process

Emission Source/Control: 1941B - Process



Emission Source/Control: 1942B - Process
Emission Source/Control: 1943B - Process
Emission Source/Control: 1944B - Process
Emission Source/Control: 203AA - Process
Emission Source/Control: 239AA - Process
Emission Source/Control: 240AA - Process
Emission Source/Control: 245AB - Process
Emission Source/Control: 246AA - Process
Emission Source/Control: 26AA1 - Process
Emission Source/Control: 310AA - Process
Emission Source/Control: 3905B - Process
Emission Source/Control: 414AA - Process
Emission Source/Control: 422AA - Process
Emission Source/Control: 465AA - Process
Emission Source/Control: 61AAA - Process
Emission Source/Control: 664AE - Process
Emission Source/Control: 667AA - Process
Emission Source/Control: 682AD - Process
Emission Source/Control: 7745A - Process
Emission Source/Control: 79058 - Process
Emission Source/Control: 798AD - Process
Emission Source/Control: 8377B - Process
Emission Source/Control: 87154 - Process



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Emission Source/Control: 87394 - Process

Emission Source/Control: 951AA - Process

Emission Source/Control: L1405 - Process

Emission Source/Control: L1576 - Process

Emission Source/Control: L1695 - Process

Emission Source/Control: L1851 - Process

Emission Source/Control: L1917 - Process

Item 33.10:

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

Emission Unit: C-00001

Process: J58

Source Classification Code: 3-13-070-01

Process Description: J5 SINTERING IN B/338

Emission Source/Control: 1127A - Process

Emission Source/Control: 127AB - Process

Emission Source/Control: 127AC - Process

Emission Source/Control: 306AA - Process

Emission Source/Control: 465AB - Process

Emission Source/Control: 570AA - Process

Emission Source/Control: 570AB - Process

Emission Source/Control: 7280B - Process

Emission Source/Control: 8228A - Process

Emission Source/Control: 831AA - Process

Emission Source/Control: 981AE - Process

Emission Source/Control: 981AF - Process

Emission Source/Control: 981AG - Process

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Emission Source/Control: 981AH - Process

Item 33.11:

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

Emission Unit: F-00001

Process: FOA

Source Classification Code: 3-13-065-99

Process Description: ACTIVITIES IN B/334

Emission Source/Control: 051AA - Process

Emission Source/Control: 225AA - Process

Emission Source/Control: 300AA - Process

Emission Source/Control: 331AA - Process

Emission Source/Control: 363AA - Process

Emission Source/Control: 497AA - Process

Emission Source/Control: 545AJ - Process

Emission Source/Control: 912AA - Process

Emission Source/Control: 912AB - Process

Emission Source/Control: 944AC - Process

Emission Source/Control: 944AE - Process

Emission Source/Control: 944AF - Process

Item 33.12:

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

Emission Unit: G-00001

Process: GOA

Source Classification Code: 3-13-065-99

Process Description: ACTIVITIES IN B/310

Emission Source/Control: 167AA - Process

Emission Source/Control: 249AA - Process

Emission Source/Control: 507AA - Process

Emission Source/Control: 509AA - Process

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- Emission Source/Control: 671AA - Process
- Emission Source/Control: 671AB - Process
- Emission Source/Control: 738AA - Process
- Emission Source/Control: 738AB - Process
- Emission Source/Control: 754AB - Process
- Emission Source/Control: 75AAA - Process
- Emission Source/Control: 915AG - Process
- Emission Source/Control: 915AH - Process
- Emission Source/Control: L1341 - Process
- Emission Source/Control: L1342 - Process
- Emission Source/Control: L1350 - Process
- Emission Source/Control: OL281 - Process
- Emission Source/Control: OL289 - Process
- Emission Source/Control: OL290 - Process

Item 33.13:

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

- Emission Unit: H-00001
- Process: CHI Source Classification Code: 3-13-999-99
- Process Description: CHILLERS
- Emission Source/Control: 30401 - Process
- Emission Source/Control: 30402 - Process
- Emission Source/Control: 30403 - Process
- Emission Source/Control: 31501 - Process
- Emission Source/Control: 31502 - Process
- Emission Source/Control: 31503 - Process



- Emission Source/Control: 31504 - Process
- Emission Source/Control: 31505 - Process
- Emission Source/Control: 31506 - Process
- Emission Source/Control: 31507 - Process
- Emission Source/Control: 31508 - Process
- Emission Source/Control: 31509 - Process
- Emission Source/Control: 31511 - Process
- Emission Source/Control: 31512 - Process
- Emission Source/Control: 31513 - Process
- Emission Source/Control: 31514 - Process
- Emission Source/Control: 31515 - Process
- Emission Source/Control: 31616 - Process
- Emission Source/Control: 31617 - Process
- Emission Source/Control: 31618 - Process
- Emission Source/Control: 31619 - Process
- Emission Source/Control: 31620 - Process
- Emission Source/Control: 31621 - Process
- Emission Source/Control: 31622 - Process
- Emission Source/Control: 31623 - Process
- Emission Source/Control: 31624 - Process
- Emission Source/Control: 31625 - Process
- Emission Source/Control: 31626 - Process
- Emission Source/Control: 31627 - Process

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Emission Source/Control: 31628 - Process

Emission Source/Control: 31629 - Process

Emission Source/Control: 31630 - Process

Emission Source/Control: 31631 - Process

Emission Source/Control: 31632 - Process

Item 33.14:

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

Emission Unit: I-00001

Process: 0WF

Source Classification Code: 3-13-065-99

Process Description: WAFER FABRICATION B/323

Emission Source/Control: 0VRTO - Control

Control Type: THERMAL OXIDATION

Emission Source/Control: ACIDA - Control

Control Type: WET SCRUBBER

Emission Source/Control: ACIDB - Control

Control Type: WET SCRUBBER

Emission Source/Control: ACIDC - Control

Control Type: WET SCRUBBER

Emission Source/Control: ACIDD - Control

Control Type: WET SCRUBBER

Emission Source/Control: ACIDE - Control

Control Type: WET SCRUBBER

Emission Source/Control: CAUSA - Control

Control Type: WET SCRUBBER

Emission Source/Control: CAUSB - Control

Control Type: WET SCRUBBER

Emission Source/Control: CAUSC - Control

Control Type: WET SCRUBBER

Emission Source/Control: SOLVB - Control

Control Type: THERMAL OXIDATION



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Emission Source/Control: SOLVC - Control
Control Type: THERMAL OXIDATION

Emission Source/Control: 0AA01 - Process

Emission Source/Control: 0AA02 - Process

Emission Source/Control: 0AA03 - Process

Emission Source/Control: 0AA04 - Process

Emission Source/Control: 0AA05 - Process

Emission Source/Control: 0AB01 - Process

Emission Source/Control: 0AB02 - Process

Emission Source/Control: 0AB03 - Process

Emission Source/Control: 0AB04 - Process

Emission Source/Control: 0AB05 - Process

Emission Source/Control: 0ABD1 - Process

Emission Source/Control: 0AC01 - Process

Emission Source/Control: 0AC02 - Process

Emission Source/Control: 0AE01 - Process

Emission Source/Control: 0AE02 - Process

Emission Source/Control: 0AE03 - Process

Emission Source/Control: 0AED1 - Process

Emission Source/Control: 0AED2 - Process

Emission Source/Control: 0BA01 - Process

Emission Source/Control: 0BA02 - Process

Emission Source/Control: 0BAD1 - Process

Emission Source/Control: 0BB01 - Process

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- Emission Source/Control: 0BB02 - Process
- Emission Source/Control: 0BC01 - Process
- Emission Source/Control: 0BC02 - Process
- Emission Source/Control: 0BCD1 - Process
- Emission Source/Control: 0BD01 - Process
- Emission Source/Control: 0BDD1 - Process
- Emission Source/Control: 0BE01 - Process
- Emission Source/Control: 0BLD2 - Process
- Emission Source/Control: 0BTD1 - Process
- Emission Source/Control: 0CA01 - Process
- Emission Source/Control: 0CA02 - Process
- Emission Source/Control: 0CA03 - Process
- Emission Source/Control: 0CA04 - Process
- Emission Source/Control: 0CAD1 - Process
- Emission Source/Control: 0CB01 - Process
- Emission Source/Control: 0CB02 - Process
- Emission Source/Control: 0CB03 - Process
- Emission Source/Control: 0CB04 - Process
- Emission Source/Control: 0CB05 - Process
- Emission Source/Control: 0CBD1 - Process
- Emission Source/Control: 0CCD2 - Process
- Emission Source/Control: 0CG01 - Process
- Emission Source/Control: 0CM01 - Process
- Emission Source/Control: 0CMD1 - Process



Emission Source/Control: 0CMD2 - Process

Emission Source/Control: 0CND1 - Process

Emission Source/Control: 0CND2 - Process

Emission Source/Control: 0DC01 - Process

Emission Source/Control: 0DCD1 - Process

Emission Source/Control: 0DFD1 - Process

Emission Source/Control: 0DG01 - Process

Emission Source/Control: 0DG02 - Process

Emission Source/Control: 0DG03 - Process

Emission Source/Control: 0DG04 - Process

Emission Source/Control: 0DG05 - Process

Emission Source/Control: 0DG06 - Process

Emission Source/Control: 0DGD1 - Process

Emission Source/Control: 0DHD1 - Process

Emission Source/Control: 0DJ01 - Process

Emission Source/Control: 0DJ02 - Process

Emission Source/Control: 0DJD1 - Process

Emission Source/Control: 0DK01 - Process

Emission Source/Control: 0DK02 - Process

Emission Source/Control: 0DL01 - Process

Emission Source/Control: 0DL02 - Process

Emission Source/Control: 0DM01 - Process

Emission Source/Control: 0DM02 - Process

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- Emission Source/Control: 0DMD1 - Process
- Emission Source/Control: 0DN01 - Process
- Emission Source/Control: 0DN02 - Process
- Emission Source/Control: 0DN03 - Process
- Emission Source/Control: 0DN04 - Process
- Emission Source/Control: 0DN05 - Process
- Emission Source/Control: 0DO01 - Process
- Emission Source/Control: 0DO02 - Process
- Emission Source/Control: 0DOD1 - Process
- Emission Source/Control: 0DPD1 - Process
- Emission Source/Control: 0DQ01 - Process
- Emission Source/Control: 0DQ02 - Process
- Emission Source/Control: 0DS01 - Process
- Emission Source/Control: 0DU01 - Process
- Emission Source/Control: 0DUD1 - Process
- Emission Source/Control: 0DV30 - Process
- Emission Source/Control: 0DW01 - Process
- Emission Source/Control: 0DW02 - Process
- Emission Source/Control: 0DW03 - Process
- Emission Source/Control: 0DWD1 - Process
- Emission Source/Control: 0DX01 - Process
- Emission Source/Control: 0DX02 - Process
- Emission Source/Control: 0DZD1 - Process
- Emission Source/Control: 0ED13 - Process



- Emission Source/Control: 0ED14 - Process
- Emission Source/Control: 0EE01 - Process
- Emission Source/Control: 0EFXX - Process
- Emission Source/Control: 0FA01 - Process
- Emission Source/Control: 0FB01 - Process
- Emission Source/Control: 0FE01 - Process
- Emission Source/Control: 0FE02 - Process
- Emission Source/Control: 0FE03 - Process
- Emission Source/Control: 0FF02 - Process
- Emission Source/Control: 0FFD1 - Process
- Emission Source/Control: 0FG01 - Process
- Emission Source/Control: 0FH01 - Process
- Emission Source/Control: 0FH02 - Process
- Emission Source/Control: 0FH03 - Process
- Emission Source/Control: 0FH04 - Process
- Emission Source/Control: 0FH05 - Process
- Emission Source/Control: 0FH06 - Process
- Emission Source/Control: 0FH07 - Process
- Emission Source/Control: 0FH08 - Process
- Emission Source/Control: 0FH09 - Process
- Emission Source/Control: 0FH10 - Process
- Emission Source/Control: 0FH11 - Process
- Emission Source/Control: 0FHD1 - Process

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- Emission Source/Control: 0FHD2 - Process
- Emission Source/Control: 0FID1 - Process
- Emission Source/Control: 0FID2 - Process
- Emission Source/Control: 0FJ01 - Process
- Emission Source/Control: 0FJ02 - Process
- Emission Source/Control: 0FK01 - Process
- Emission Source/Control: 0FK02 - Process
- Emission Source/Control: 0FK03 - Process
- Emission Source/Control: 0FK04 - Process
- Emission Source/Control: 0FK05 - Process
- Emission Source/Control: 0FK06 - Process
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- Emission Source/Control: 0FK09 - Process
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- Emission Source/Control: 0FK11 - Process
- Emission Source/Control: 0FK12 - Process
- Emission Source/Control: 0FK13 - Process
- Emission Source/Control: 0FK14 - Process
- Emission Source/Control: 0FK15 - Process
- Emission Source/Control: 0FL01 - Process
- Emission Source/Control: 0FL02 - Process
- Emission Source/Control: 0FL03 - Process
- Emission Source/Control: 0FM01 - Process



- Emission Source/Control: 0FMD1 - Process
- Emission Source/Control: 0FP01 - Process
- Emission Source/Control: 0FQD1 - Process
- Emission Source/Control: 0FRD1 - Process
- Emission Source/Control: 0FSD1 - Process
- Emission Source/Control: 0HA01 - Process
- Emission Source/Control: 0HA02 - Process
- Emission Source/Control: 0HA03 - Process
- Emission Source/Control: 0HA04 - Process
- Emission Source/Control: 0HA05 - Process
- Emission Source/Control: 0HAD1 - Process
- Emission Source/Control: 0HAD2 - Process
- Emission Source/Control: 0HB01 - Process
- Emission Source/Control: 0HB02 - Process
- Emission Source/Control: 0HB03 - Process
- Emission Source/Control: 0HB04 - Process
- Emission Source/Control: 0HB05 - Process
- Emission Source/Control: 0HB06 - Process
- Emission Source/Control: 0HB07 - Process
- Emission Source/Control: 0HB08 - Process
- Emission Source/Control: 0HB09 - Process
- Emission Source/Control: 0HBD1 - Process
- Emission Source/Control: 0HBD2 - Process

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- Emission Source/Control: 0HC01 - Process
- Emission Source/Control: 0HC02 - Process
- Emission Source/Control: 0HC03 - Process
- Emission Source/Control: 0HC04 - Process
- Emission Source/Control: 0HC05 - Process
- Emission Source/Control: 0HC06 - Process
- Emission Source/Control: 0HD01 - Process
- Emission Source/Control: 0HD02 - Process
- Emission Source/Control: 0HE01 - Process
- Emission Source/Control: 0HE02 - Process
- Emission Source/Control: 0HED1 - Process
- Emission Source/Control: 0HFD1 - Process
- Emission Source/Control: 0HFD2 - Process
- Emission Source/Control: 0HL01 - Process
- Emission Source/Control: 0HLD1 - Process
- Emission Source/Control: 0JB01 - Process
- Emission Source/Control: 0JC01 - Process
- Emission Source/Control: 0JC02 - Process
- Emission Source/Control: 0JCD1 - Process
- Emission Source/Control: 0JDD1 - Process
- Emission Source/Control: 0JED1 - Process
- Emission Source/Control: 0JF01 - Process
- Emission Source/Control: 0JG01 - Process
- Emission Source/Control: 0JG02 - Process

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- Emission Source/Control: 0JH01 - Process
- Emission Source/Control: 0JHD1 - Process
- Emission Source/Control: 0JI01 - Process
- Emission Source/Control: 0JI02 - Process
- Emission Source/Control: 0JID1 - Process
- Emission Source/Control: 0JK01 - Process
- Emission Source/Control: 0JK02 - Process
- Emission Source/Control: 0JK03 - Process
- Emission Source/Control: 0JK04 - Process
- Emission Source/Control: 0JK05 - Process
- Emission Source/Control: 0JK06 - Process
- Emission Source/Control: 0JL01 - Process
- Emission Source/Control: 0JLD1 - Process
- Emission Source/Control: 0JM01 - Process
- Emission Source/Control: 0JM02 - Process
- Emission Source/Control: 0JN01 - Process
- Emission Source/Control: 0JN02 - Process
- Emission Source/Control: 0JN03 - Process
- Emission Source/Control: 0JN04 - Process
- Emission Source/Control: 0JN05 - Process
- Emission Source/Control: 0JND1 - Process
- Emission Source/Control: 0JND2 - Process
- Emission Source/Control: 0JND3 - Process

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- Emission Source/Control: 0JO01 - Process
- Emission Source/Control: 0JO02 - Process
- Emission Source/Control: 0JO03 - Process
- Emission Source/Control: 0JO04 - Process
- Emission Source/Control: 0JO05 - Process
- Emission Source/Control: 0JO06 - Process
- Emission Source/Control: 0JO07 - Process
- Emission Source/Control: 0JO08 - Process
- Emission Source/Control: 0JO09 - Process
- Emission Source/Control: 0JP01 - Process
- Emission Source/Control: 0JQ01 - Process
- Emission Source/Control: 0JQ02 - Process
- Emission Source/Control: 0JR01 - Process
- Emission Source/Control: 0JR02 - Process
- Emission Source/Control: 0JR03 - Process
- Emission Source/Control: 0JR04 - Process
- Emission Source/Control: 0JRD1 - Process
- Emission Source/Control: 0JS01 - Process
- Emission Source/Control: 0JS02 - Process
- Emission Source/Control: 0JS03 - Process
- Emission Source/Control: 0JS04 - Process
- Emission Source/Control: 0JS05 - Process
- Emission Source/Control: 0JS06 - Process
- Emission Source/Control: 0KK80 - Process



- Emission Source/Control: 0NB02 - Process
- Emission Source/Control: 0NB03 - Process
- Emission Source/Control: 0ND02 - Process
- Emission Source/Control: 0ND03 - Process
- Emission Source/Control: 0ND09 - Process
- Emission Source/Control: 0ND10 - Process
- Emission Source/Control: 0ND11 - Process
- Emission Source/Control: 0NDD1 - Process
- Emission Source/Control: 0NE01 - Process
- Emission Source/Control: 0NE02 - Process
- Emission Source/Control: 0NE03 - Process
- Emission Source/Control: 0NE06 - Process
- Emission Source/Control: 0NE11 - Process
- Emission Source/Control: 0NE12 - Process
- Emission Source/Control: 0NE13 - Process
- Emission Source/Control: 0NE14 - Process
- Emission Source/Control: 0NE15 - Process
- Emission Source/Control: 0NF01 - Process
- Emission Source/Control: 0NF02 - Process
- Emission Source/Control: 0NF03 - Process
- Emission Source/Control: 0NF04 - Process
- Emission Source/Control: 0NF05 - Process
- Emission Source/Control: 0NF06 - Process

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- Emission Source/Control: 0NFD1 - Process
- Emission Source/Control: 0NFD2 - Process
- Emission Source/Control: 0NG01 - Process
- Emission Source/Control: 0NJ01 - Process
- Emission Source/Control: BD01M - Process
- Emission Source/Control: BE01M - Process
- Emission Source/Control: BTD1M - Process
- Emission Source/Control: CB01M - Process
- Emission Source/Control: CB02M - Process
- Emission Source/Control: CB03M - Process
- Emission Source/Control: CM01M - Process
- Emission Source/Control: CMD1M - Process
- Emission Source/Control: CMD2M - Process
- Emission Source/Control: CND2M - Process
- Emission Source/Control: FA01M - Process
- Emission Source/Control: FB01M - Process
- Emission Source/Control: FE03M - Process
- Emission Source/Control: FFD1M - Process
- Emission Source/Control: FG01M - Process
- Emission Source/Control: FH01M - Process
- Emission Source/Control: FH02M - Process
- Emission Source/Control: FH03M - Process
- Emission Source/Control: FH04M - Process
- Emission Source/Control: FH05M - Process



- Emission Source/Control: FH08M - Process
- Emission Source/Control: FH09M - Process
- Emission Source/Control: FH10M - Process
- Emission Source/Control: FH11M - Process
- Emission Source/Control: FH12M - Process
- Emission Source/Control: FHD1M - Process
- Emission Source/Control: FHD2M - Process
- Emission Source/Control: FID1M - Process
- Emission Source/Control: FID2M - Process
- Emission Source/Control: FJ01M - Process
- Emission Source/Control: FJ02M - Process
- Emission Source/Control: FK01M - Process
- Emission Source/Control: FK02M - Process
- Emission Source/Control: FK04M - Process
- Emission Source/Control: FK05M - Process
- Emission Source/Control: FK07M - Process
- Emission Source/Control: FK08M - Process
- Emission Source/Control: FK10M - Process
- Emission Source/Control: FK11M - Process
- Emission Source/Control: FK13M - Process
- Emission Source/Control: FL01M - Process
- Emission Source/Control: FL02M - Process
- Emission Source/Control: FL03M - Process

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- Emission Source/Control: FMD1M - Process
- Emission Source/Control: FQD1M - Process
- Emission Source/Control: FRD1M - Process
- Emission Source/Control: FSD1M - Process
- Emission Source/Control: JB01M - Process
- Emission Source/Control: JDD1M - Process
- Emission Source/Control: JF01M - Process
- Emission Source/Control: JH01M - Process
- Emission Source/Control: JHDIM - Process
- Emission Source/Control: JI01M - Process
- Emission Source/Control: JI02M - Process
- Emission Source/Control: JID1M - Process
- Emission Source/Control: JK01M - Process
- Emission Source/Control: JK02M - Process
- Emission Source/Control: JK03M - Process
- Emission Source/Control: JK04M - Process
- Emission Source/Control: JK05M - Process
- Emission Source/Control: JK06M - Process
- Emission Source/Control: JL01M - Process
- Emission Source/Control: JLD1M - Process
- Emission Source/Control: JM01M - Process
- Emission Source/Control: JM02M - Process
- Emission Source/Control: JN01M - Process
- Emission Source/Control: JN02M - Process



Emission Source/Control: JN03M - Process

Emission Source/Control: JN04M - Process

Emission Source/Control: JN05M - Process

Emission Source/Control: JND1M - Process

Emission Source/Control: JND2M - Process

Emission Source/Control: JO01M - Process

Emission Source/Control: JO02M - Process

Emission Source/Control: JO03M - Process

Emission Source/Control: JO04M - Process

Emission Source/Control: JO05M - Process

Emission Source/Control: JO06M - Process

Emission Source/Control: JO07M - Process

Emission Source/Control: JO08M - Process

Emission Source/Control: JO09M - Process

Emission Source/Control: JQ01M - Process

Emission Source/Control: JQ02M - Process

Emission Source/Control: JR01M - Process

Emission Source/Control: JR02M - Process

Emission Source/Control: JRD1M - Process

Emission Source/Control: JS01M - Process

Emission Source/Control: JS02M - Process

Emission Source/Control: JS03M - Process

Emission Source/Control: JS04M - Process

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Emission Source/Control: JS05M - Process

Item 33.15:

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

Emission Unit: J-00001

Process: WFJ

Source Classification Code: 3-13-065-99

Process Description: WAFER FABRICATION B/323A

Emission Source/Control: 0ACID - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 0BASE - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: 0SOLV - Control

Control Type: DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER

Emission Source/Control: 0AA06 - Process

Emission Source/Control: 0AA07 - Process

Emission Source/Control: 0AB06 - Process

Emission Source/Control: 0AB07 - Process

Emission Source/Control: 0AB08 - Process

Emission Source/Control: 0AED3 - Process

Emission Source/Control: 0BB03 - Process

Emission Source/Control: 0BC03 - Process

Emission Source/Control: 0BFD1 - Process

Emission Source/Control: 0BMD1 - Process

Emission Source/Control: 0C0D2 - Process

Emission Source/Control: 0CBXX - Process

Emission Source/Control: 0CM02 - Process

Emission Source/Control: 0CM03 - Process

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Emission Source/Control: 0CM04 - Process

Emission Source/Control: 0CN01 - Process

Emission Source/Control: 0CND3 - Process

Emission Source/Control: 0CND4 - Process

Emission Source/Control: 0COD1 - Process

Emission Source/Control: 0CRD1 - Process

Emission Source/Control: 0CT01 - Process

Emission Source/Control: 0CTD2 - Process

Emission Source/Control: 0CTD3 - Process

Emission Source/Control: 0DG07 - Process

Emission Source/Control: 0DG08 - Process

Emission Source/Control: 0DH02 - Process

Emission Source/Control: 0DH03 - Process

Emission Source/Control: 0DH04 - Process

Emission Source/Control: 0DM03 - Process

Emission Source/Control: 0DN06 - Process

Emission Source/Control: 0DRD1 - Process

Emission Source/Control: 0DXD1 - Process

Emission Source/Control: 0EE04 - Process

Emission Source/Control: 0EE05 - Process

Emission Source/Control: 0EHD1 - Process

Emission Source/Control: 0EID1 - Process

Emission Source/Control: 0FE05 - Process

Emission Source/Control: 0FED1 - Process



- Emission Source/Control: 0FH12 - Process
- Emission Source/Control: 0FHD3 - Process
- Emission Source/Control: 0FJ03 - Process
- Emission Source/Control: 0FK16 - Process
- Emission Source/Control: 0FUD1 - Process
- Emission Source/Control: 0FVD1 - Process
- Emission Source/Control: 0GL03 - Process
- Emission Source/Control: 0GL04 - Process
- Emission Source/Control: 0HE03 - Process
- Emission Source/Control: 0HED2 - Process
- Emission Source/Control: 0HL02 - Process
- Emission Source/Control: 0HL03 - Process
- Emission Source/Control: 0HL04 - Process
- Emission Source/Control: 0HL05 - Process
- Emission Source/Control: 0HL06 - Process
- Emission Source/Control: 0HLD2 - Process
- Emission Source/Control: 0HLD3 - Process
- Emission Source/Control: 0JD01 - Process
- Emission Source/Control: 0JD02 - Process
- Emission Source/Control: 0JDD2 - Process
- Emission Source/Control: 0JDD3 - Process
- Emission Source/Control: 0JDD4 - Process
- Emission Source/Control: 0JH02 - Process

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- Emission Source/Control: 0JH03 - Process
- Emission Source/Control: 0JH04 - Process
- Emission Source/Control: 0JLD2 - Process
- Emission Source/Control: 0JLD3 - Process
- Emission Source/Control: 0JLD4 - Process
- Emission Source/Control: 0JLXX - Process
- Emission Source/Control: 0JN06 - Process
- Emission Source/Control: 0JR05 - Process
- Emission Source/Control: 0JS07 - Process
- Emission Source/Control: 0JUD1 - Process
- Emission Source/Control: 0JXD2 - Process
- Emission Source/Control: 0ND05 - Process
- Emission Source/Control: 0ND15 - Process
- Emission Source/Control: 0ND17 - Process
- Emission Source/Control: 0ND18 - Process
- Emission Source/Control: 0ND19 - Process
- Emission Source/Control: 0ND21 - Process
- Emission Source/Control: 0ND22 - Process
- Emission Source/Control: 0ND23 - Process
- Emission Source/Control: 0ND24 - Process
- Emission Source/Control: 0NE04 - Process
- Emission Source/Control: 0NE05 - Process
- Emission Source/Control: 0NF07 - Process
- Emission Source/Control: 0NF08 - Process



Emission Source/Control: 0NF09 - Process

Emission Source/Control: 0NF10 - Process

Emission Source/Control: 0NM01 - Process

Item 33.16:

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

Emission Unit: K-00001

Process: C4P

Source Classification Code: 3-13-065-99

Process Description: C4 Plating Line operations.

Emission Source/Control: 032AC - Process

Emission Source/Control: 059AA - Process

Emission Source/Control: 059AB - Process

Emission Source/Control: 061AB - Process

Emission Source/Control: 061AD - Process

Emission Source/Control: 088AA - Process

Emission Source/Control: 088XA - Process

Emission Source/Control: 091AA - Process

Emission Source/Control: 118XA - Process

Emission Source/Control: 165AB - Process

Emission Source/Control: 185AA - Process

Emission Source/Control: 186AA - Process

Emission Source/Control: 199AA - Process

Emission Source/Control: 204AA - Process

Emission Source/Control: 208AA - Process

Emission Source/Control: 278AA - Process

Emission Source/Control: 333AA - Process

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Emission Source/Control: 340AA - Process

Emission Source/Control: 340AC - Process

Emission Source/Control: 377AA - Process

Emission Source/Control: 387AA - Process

Emission Source/Control: 412AA - Process

Emission Source/Control: 412AE - Process

Emission Source/Control: 412AG - Process

Emission Source/Control: 412AH - Process

Emission Source/Control: 412AL - Process

Emission Source/Control: 472AA - Process

Emission Source/Control: 504AA - Process

Emission Source/Control: 528AA - Process

Emission Source/Control: 557AA - Process

Emission Source/Control: 592AA - Process

Emission Source/Control: 592AB - Process

Emission Source/Control: 597AA - Process

Emission Source/Control: 604AA - Process

Emission Source/Control: 604AB - Process

Emission Source/Control: 608AA - Process

Emission Source/Control: 608AB - Process

Emission Source/Control: 715AH - Process

Emission Source/Control: 717AA - Process

Emission Source/Control: 788AB - Process

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- Emission Source/Control: 816AA - Process
- Emission Source/Control: 827AB - Process
- Emission Source/Control: 827AC - Process
- Emission Source/Control: 827AD - Process
- Emission Source/Control: 827AE - Process
- Emission Source/Control: 827AF - Process
- Emission Source/Control: 8570A - Process
- Emission Source/Control: 8570B - Process
- Emission Source/Control: 903XA - Process
- Emission Source/Control: 905XA - Process
- Emission Source/Control: 905XC - Process
- Emission Source/Control: 905XD - Process
- Emission Source/Control: 905XE - Process
- Emission Source/Control: 905XF - Process
- Emission Source/Control: 905XV - Process
- Emission Source/Control: 905XW - Process
- Emission Source/Control: 905XX - Process
- Emission Source/Control: 905XY - Process
- Emission Source/Control: 907XA - Process
- Emission Source/Control: 907XB - Process
- Emission Source/Control: 907XC - Process
- Emission Source/Control: 907XD - Process
- Emission Source/Control: 907XE - Process
- Emission Source/Control: 907XF - Process



Emission Source/Control: 907XG - Process

Emission Source/Control: 907XH - Process

Emission Source/Control: 944AD - Process

Emission Source/Control: BAK01 - Process

Emission Source/Control: BAK02 - Process

Emission Source/Control: CLN01 - Process

Emission Source/Control: CLN02 - Process

Emission Source/Control: DEV01 - Process

Emission Source/Control: DEV02 - Process

Emission Source/Control: ELE01 - Process

Emission Source/Control: ELE02 - Process

Emission Source/Control: L3846 - Process

Emission Source/Control: L3847 - Process

Emission Source/Control: MCU01 - Process

Emission Source/Control: OXD01 - Process

Emission Source/Control: OXD02 - Process

Emission Source/Control: PLT01 - Process

Emission Source/Control: PLT02 - Process

Emission Source/Control: RFL01 - Process

Emission Source/Control: RFL02 - Process

Emission Source/Control: RIE01 - Process

Emission Source/Control: RIE02 - Process

Emission Source/Control: SPT01 - Process



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Emission Source/Control: STR02 - Process

Emission Source/Control: TIW01 - Process

Emission Source/Control: TIW02 - Process

Emission Source/Control: Z87AA - Process

Emission Source/Control: Z90AA - Process

Condition 34: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

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

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 35: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

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



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Facility DEC ID: 3132800025

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this Part, all mid-size boilers are equipped with low NOx Burners.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 36: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 227.2(b)(1)

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for midsize and large boilers firing residual oil. The owner or operator shall complete the following on one of the eight boilers:

1. submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition, and
2. perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

Parameter Monitored: PARTICULATES



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Upper Permit Limit: 0.1 pounds per million Btus
Reference Test Method: method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 37: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 60.42c(d), NSPS Subpart Dc

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: MB6 Emission Source: 00008

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

On or after the date on which the initial performance
test is completed or required to be completed under
section 60.8 of this part, no owner or operator of an
affected facility that combusts oil shall combust oil with
a sulfur content in excess of 0.5 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.50 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 38: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 60.43c(c), NSPS Subpart Dc



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Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: MB6

Emission Source: 00008

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

**Condition 39: Alternative compliance method for sulfur dioxide.
Effective between the dates of 12/04/2006 and 12/03/2011**

Applicable Federal Requirement: 40CFR 60.44c(g), NSPS Subpart Dc

Item 39.1:

This Condition applies to Emission Unit: A-00001

Process: MB6

Emission Source: 00008

Item 39.2:

Oil fired facilities demonstrating compliance with the sulfur dioxide standard through sampling and analysis must test every shipment of oil after the initial approval.

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**Condition 40: Alternative compliance methods for sulfur dioxide.
Effective between the dates of 12/04/2006 and 12/03/2011**

Applicable Federal Requirement: 40CFR 60.44c(g), NSPS Subpart Dc

Item 40.1:

This Condition applies to Emission Unit: A-00001
Process: MB6 Emission Source: 00008

Item 40.2:

Oil fired facilities demonstrating compliance through sampling and analysis shall initially prove the oil sulfur content to be 0.50% by weight or less.

**Condition 41: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011**

Applicable Federal Requirement: 40CFR 60.45c(a), NSPS Subpart Dc

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: MB6 Emission Source: 00008

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance and performance test methods and procedures
for particulate matter.

(a) The owner or operator of an affected facility subject
to the PM and/or opacity standards under § 60.43c shall
conduct an initial performance test as required under §
60.8, and shall conduct subsequent performance tests as
requested by the Administrator, to determine compliance
with the standards using the following procedures and
reference methods.

(8) Method 9 (6-minute average of 24 observations) shall
be used for determining the opacity of stack emissions.

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Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 42: Compliance Certification

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 60.46c(d)(2), NSPS Subpart Dc

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: MB6 Emission Source: 00008

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As an alternative to operating a CEMs at the inlet to the
SO₂ control device (or outlet of the steam generating unit
if no SO₂ control device is used) as required under
paragraph §60.46c (a), an owner or operator may elect to
determine the average SO₂ emission rate by sampling fuel
prior to combustion.

As an alternative fuel sampling procedure for affected
facilities combusting oil, oil samples may be collected
from the fuel tank for each steam generating unit
immediately after the fuel tank is filled and before any
oil is combusted.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Reference Test Method: Method 19

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION



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Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 60.47c, NSPS Subpart Dc

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: MB6 Emission Source: 00008

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

Item 43.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of an affected facility that combusts oil and has heat input capacity greater than 30 mmbtu/hr shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity averaging over 6-minutes, except for one 6-minute period per hour of not more than 27% opacity.

Facilities combusting oil subject to section 40 CFR 60-Dc.43c shall install, calibrate, maintain, and operate CEMs for opacity. All CEMs shall be operated in accordance with appendix B of part 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 27 percent
Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).



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Condition 44: Compliance Certification

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 60.48c(a), NSPS Subpart Dc

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: MB6

Emission Source: 00008

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 45: Compliance Certification

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 60.48c(c), NSPS Subpart Dc

Item 45.1:

The Compliance Certification activity will be performed for:



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Emission Unit: A-00001

Process: MB6

Emission Source: 00008

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each coal-fired, residual oil-fired, or wood-fired affected facility subject to the opacity limits under §60.43c(c) shall submit excess emission reports, to the Administrator, semiannually. All reports shall be postmarked by the 30th day following the end of each semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 46: Compliance Certification

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 60.48c(d), NSPS Subpart Dc

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: MB6

Emission Source: 00008

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 40CFR 60.48c(f)(2), NSPS Subpart Dc

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001
Process: MB6 Emission Source: 00008

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and/or operator of the affected facility shall maintain records containing the following data:

- i) name of the residual oil supplier;
- ii) the location of the oil when the sample was drawn for analysis of the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil storage at the oil supplier's or oil refiner's facility, or other location;
- iii) the sulfur content of the oil from which the shipment came (or of the shipment itself); and
- iv) the method used to determine the sulfur content of the oil.

Monitoring Frequency: PER DELIVERY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

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Facility DEC ID: 3132800025



Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Process: MB6

Emission Source: 00008

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 49: Emissions from new emission sources and/or modifications Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 49.1:

This Condition applies to:

Emission Unit: C00001

Emission Unit: F00001

Emission Unit: G00001

Emission Unit: I00001

Emission Unit: J00001

Emission Unit: K00001

Item 49.1:

This Condition applies to Emission Unit: B-00001

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Item 49.2.3:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

Condition 50: Emissions from new emission sources and/or modifications not specified by Table 2

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 50.1:

This Condition applies to:

Emission Unit: C00001

Emission Unit: F00001

Emission Unit: G00001

Emission Unit: I00001

Emission Unit: J00001

Emission Unit: K00001

Item 50.1:

This Condition applies to Emission Unit: B-00001

Item 50.2.3:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

Condition 51: Compliance Certification

Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 226.3

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001

Item 51.2:



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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility may vent the emissions from the degreasers to an RTO as an alternative to the 226.3(a) and 226.4(a) requirements contained in this permit.

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 52: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 226.2

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001

Process: 0J1

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to Emission Sources: 120AA, 562AA and 650AA.

A person conducting solvent metal cleaning must:

(a) store solvent in covered containers and transfer or dispose of waste solvent in such a manner that less than 20 percent of the waste solvent (by weight) can evaporate into the atmosphere;

(b) maintain equipment to minimize leaks and fugitive emissions;

(c) display at the equipment location a conspicuous

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summary of proper operating procedures consistent with minimizing emissions of VOCs;

(d) keep the degreaser cover closed except when parts are being placed into or being removed from the degreaser, the cover needs to be open in order to add or remove solvent from the degreaser, no solvent is in the degreaser, or manually cleaning metal parts in a cold cleaning degreaser;

(e) create and retain a record of solvent consumption for five years. This record must be made available to the department upon request;

(f) not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser; and

(g) if using a cold cleaning degreaser that is subject to section 226.3(a)(4) of this Part, retain a record of the following three items for five years and provide these records to the department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a material safety data sheet (MSDS), or other appropriate documentation acceptable to the department may be used to comply with this requirement:

(1) the name and address of the solvent supplier;

(2) the type of solvent including the product or vendor identification number; and

(3) the vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 53: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 226.3(a)



Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001
Process: 0J1

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to Emission Sources: 120AA, 562AA
and 650AA.

Except as otherwise permitted by the department pursuant to section 226.5 of this Part, the following types of control equipment must be used by a person conducting solvent metal cleaning:

(a) Cold cleaning degreasing when the internal volume of the machine is greater than two gallons.

(1) A cover which can be operated easily.

(2) An internal drainage facility (under cover), if practical.

(3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. Remote reservoir degreasers are exempt from this requirement.

(4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20°C. Prior to January 1, 2004, compliance with this requirement is not mandatory if compliant solvents are not readily available. On or after January 1, 2004, the person conducting solvent metal cleaning covered by this subdivision must use compliant solvents or have submitted a process specific RACT demonstration pursuant to section 226.5 of this Part. This paragraph does not apply to degreasers:

(i) used in special and extreme solvent metal cleaning;



(ii) for which the owner or operator has received department approval of a demonstration that compliance with the requirement of a solvent with a vapor pressure of 1.0 mm Hg, or less, at 20°C will result in unsafe operating conditions; or

(iii) that are located in a permanent total enclosure having control equipment that is designed and operated with an overall VOC removal efficiency of 90 percent or greater.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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

Condition 54: Compliance Certification
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable Federal Requirement: 6NYCRR 226.4(a)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: C-00001

Process: 0J1

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to Emission Sources: 120AA, 562AA and 650AA.

Except as otherwise allowed by the department pursuant to section 226.5 of this Part, the following operating practices are required by a person conducting solvent metal cleaning:

(a) Cold cleaning degreasing. Clean parts shall be drained at least 15 seconds or until dripping ceases.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2007.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 55: Contaminant List
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable State Requirement: ECL 19-0301

Item 55.1:

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



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

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

Condition 56: Unavoidable noncompliance and violations
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable State Requirement: 6NYCRR 201-1.4

Item 56.1:

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

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

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

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant



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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 57: Air pollution prohibited
Effective between the dates of 12/04/2006 and 12/03/2011

Applicable State Requirement: 6NYCRR 211.2

Item 57.1:

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.