

New York State Department of Environmental Conservation
Facility DEC ID: 7500700030



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-5007-00030/00031
Effective Date: 04/02/2007 Expiration Date: 04/01/2012

Permit Issued To: CORNELL UNIVERSITY
300 DAY HALL
ITHACA, NY 14853-2801

Contact: PATRICK O MCNALLY
ENV COMPLIANCE OFFICE
361 PINE TREE RD 180 EAST HILL PLZ
ITHACA, NY 14850
(607) 255-2304

Facility: CORNELL UNIVERSITY MAIN CAMPUS
COLLEGE AVE
ITHACA, NY 14853

Description:

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

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

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Permit modifications, suspensions or revocations by the Department

Facility Level

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



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

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

Item 3.1:

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

Item 3.2:

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

Item 3.3:



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

Item 4.1:

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

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

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

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: CORNELL UNIVERSITY
300 DAY HALL
ITHACA, NY 14853-2801

Facility: CORNELL UNIVERSITY MAIN CAMPUS
COLLEGE AVE
ITHACA, NY 14853

Authorized Activity By Standard Industrial Classification Code:
8221 - COLLEGES AND UNIVERSITIES, NEC

Permit Effective Date: 04/02/2007

Permit Expiration Date: 04/01/2012



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 3 6NYCRR 201-6.5(a)(7): Fees
- 4 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 5 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 6 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 2 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 200.7: Compliance Certification
- 24 6NYCRR 201-6: Emission Unit Definition
- 25 6NYCRR 201-6.5(c)(3): Compliance Certification
- 26 6NYCRR 201-6.5(g): Non Applicable requirements
- 27 6NYCRR 225-1.2(a): Compliance Certification
- 28 40CFR 63, Subpart DDDDD: Compliance Certification
- 29 40CFR 64: Compliance Certification

Emission Unit Level

- 30 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 31 6NYCRR 201-6: Process Definition By Emission Unit

EU=1-CHP01

- 32 6NYCRR 227-1.3(a): Compliance Certification
- 33 6NYCRR 227-1.4(b): Compliance Certification

EU=1-CHP01,Proc=67G

- 34 6NYCRR 227-2.4(b)(1): Compliance Certification



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- 35 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 36 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 37 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 38 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 39 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
- 40 40CFR 60.12, NSPS Subpart A: Circumvention.
- 41 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 42 40CFR 60.44b(a)(1), NSPS Subpart Db: Compliance Certification
- 43 40CFR 60.46b, NSPS Subpart Db: Compliance methods for oxides of nitrogen.
- 44 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 45 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 46 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 47 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification
- 48 40CFR 60.49b(o), NSPS Subpart Db: Records Retention

EU=1-CHP01,Proc=670

- 49 6NYCRR 225-2.3(b)(1): Compliance Certification
- 50 6NYCRR 227-1.2(a)(1): Compliance Certification
- 51 6NYCRR 227-2.4(b)(1): Compliance Certification
- 52 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 53 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 54 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 55 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 56 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
- 57 40CFR 60.12, NSPS Subpart A: Circumvention.
- 58 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 59 40CFR 60.42b(a), NSPS Subpart Db: Compliance Certification
- 60 40CFR 60.43b(f), NSPS Subpart Db: Compliance Certification
- 61 40CFR 60.44b(a)(2), NSPS Subpart Db: Compliance Certification
- 62 40CFR 60.46b, NSPS Subpart Db: Compliance methods for opacity.
- 63 40CFR 60.46b, NSPS Subpart Db: Compliance methods for oxides of nitrogen.
- 64 40CFR 60.49b(d), NSPS Subpart Db: Compliance Certification
- 65 40CFR 60.49b(g), NSPS Subpart Db: Compliance Certification
- 66 40CFR 60.49b(h), NSPS Subpart Db: Compliance Certification
- 67 40CFR 60.49b(i), NSPS Subpart Db: Compliance Certification
- 68 40CFR 60.49b(j), NSPS Subpart Db: Compliance Certification
- 69 40CFR 60.49b(o), NSPS Subpart Db: Records Retention

EU=1-CHP01,Proc=B8C

- 70 6NYCRR 227-1.2(a)(4): Compliance Certification
- 71 6NYCRR 227-2.5(c): Compliance Certification
- 72 6NYCRR 257-1.4: Compliance Certification
- 73 6NYCRR 257-1.4: Compliance Certification



EU=1-CHP01,EP=00001

74 6NYCRR 225-1.7(c): Compliance Certification

EU=1-CHP02,Proc=B1C

- 75 6NYCRR 227-1.2(a)(4): Compliance Certification
- 76 6NYCRR 227-1.3(a): Compliance Certification
- 77 6NYCRR 227-2.4(b)(2): Compliance Certification
- 78 6NYCRR 227-2.4(g): Compliance Certification
- 79 6NYCRR 257-1.4: Compliance Certification
- 80 6NYCRR 257-1.4: Compliance Certification

EU=1-CHP02,Proc=B20

- 81 6NYCRR 225-1.2(a)(2): Compliance Certification
- 82 6NYCRR 227-1.3(a): Compliance Certification
- 83 6NYCRR 227-2.4(b)(1): Compliance Certification
- 84 6NYCRR 227-2.4(b)(1): Compliance Certification
- 85 6NYCRR 227.2(b)(1): Compliance Certification

EU=1-CHP03

- 86 6NYCRR 227-2.4(b)(1): Compliance Certification
- 87 6NYCRR 257-1.4: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 88 ECL 19-0301: Contaminant List
- 89 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 90 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

EU=1-CHP02,Proc=B20

- 91 6NYCRR 227-1.2(a)(2): Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: 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 04/02/2007 and 04/01/2012

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 3: Fees

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 3.1:

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 4: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 4.1:

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 5: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 5.1:

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 6: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

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

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:

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 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 2: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 2.1:

The Compliance Certification activity will be performed for the Facility.

Item 2.2:

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:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

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 04/02/2007 and 04/01/2012

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 04/02/2007 and 04/01/2012

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 04/02/2007 and 04/01/2012

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 04/02/2007 and 04/01/2012

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: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information

Effective between the dates of 04/02/2007 and 04/01/2012



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

Item 15.1:

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

Condition 16: General Condition - Right to Inspect
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 16.1:

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

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

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 17.1:

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

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



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preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 18.1:

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

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

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

Condition 19: Required Emissions Tests
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 19.1:

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

Condition 20: Visible Emissions Limited
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 211.3

Item 20.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material



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having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 21: Accidental release provisions.
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 68

Item 21.1:

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

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

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

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 22.1:

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

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

Condition 23: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

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Applicable Federal Requirement: 6NYCRR 200.7

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 120 days of the effective date of this permit, the owner or operator shall submit to the DEC an operating and maintenance plan for the fabric filter control devices installed on Boilers 1 and 8 at the Central Heating Plant.

This condition does not apply to experimental or temporary control equipment.

On an annual basis the owner or operator shall submit to the DEC a report stating whether the control devices have been maintained in accordance with the Operation and Maintenance Plan.

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 1/30/2008.

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

Condition 24: Emission Unit Definition

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 24.1:

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

Emission Unit: 1-CHP01

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF BOILERS 6,7 AND 8 EXHAUSTING THROUGH EP00001. BOILERS 6 AND 7 ARE IDENTICAL BOILERS. EACH IS CAPABLE OF FIRING NATURAL GAS AT 145 MMBTU/HR OR NO. 6 FUEL OIL AT 138 MMBTU/HR. BOILERS 6 AND 7 ARE SUBJECT TO NSPS Db. BOILER 8 IS A 248 MMBTU/HR COAL-FIRED OVERFEED STOKER BOILER. BOILER 8 HAS



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SPECIAL SULFUR-IN-FUEL LIMITS BASED ON AMBIENT MODELING. BOILERS 6 AND 7 ARE ALSO PERMITTED TO BURN WASTE FUEL A FOR HEAT RECOVERY.

Building(s): 5510B

Item 24.2:

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

Emission Unit: 1-CHP02

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF BOILERS 1 AND 2 EXHAUSTING THROUGH EP00002. BOILER 1 IS A 117 MMBTU/HR, COAL-FIRED SPREADER STOKER BOILER. BOILER 2 IS A 103 MMBTU/HR, NO.6 OIL-FIRED BOILER.

Building(s): 5510B

Item 24.3:

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

Emission Unit: 1-CHP03

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF BOILER 5 EXHAUSTING THROUGH EP00003. BOILER 5 IS A 145 MMBTU/HR, NATURAL GAS-FIRED BOILER.

Building(s): 5510B

Item 24.4:

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

Emission Unit: 1-CHP05

Emission Unit Description:

THIS EMISSION UNIT CONSISTS OF THE COAL STORAGE PILE FOR BOILERS 1 AND 8. NOTE THAT ALL EMISSIONS FROM THIS EMISSION UNIT ARE FUGITIVE.

Building(s): CPILE1

Condition 25: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

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Item 25.2:

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.

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.



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

Condition 26: Non Applicable requirements
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 26.1:

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.

Condition 27: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Diesel oil and No. 2 distillate oil is fired at various locations on campus. The allowable sulfur limit is 1.5% sulfur by weight, which is a state-enforceable limit. The federally-enforceable limit is 2.0% sulfur by weight. Diesel fuel, by specification, must contain less than 0.5% sulfur, and No. 2 oil must contain no more than 0.5% sulfur.

Compliance shall be determined by fuel sampling and analysis. Fuel sampling shall be conducted upon written request from the DEC.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating (1) whether sampling was requested and (2) the results of any and all sampling and analysis of diesel fuel or distillate fuel oil conducted in that reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 12 calendar month(s).

Condition 28: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 63, Subpart DDDDD

Item 28.1:

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

Emission Unit: 1-CHP01
Process: B8C

Emission Unit: 1-CHP02
Process: B1C

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Cornell's Central Heating Plant is subject to the National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters, 40 CFR Part 63, Subpart DDDDD.

As of the compliance dates specified in 40 CFR Part 63, Subpart DDDDD, Cornell shall comply with the requirements of 40 CFR Part 63, Subpart DDDDD, including:

1. Boiler 1 and Boiler 8 must comply with either the particulate emission standard (0.07 pounds/mmBtu) or the total selected metals standard (0.001 lb/mmBtu) or an alternative compliance demonstration pursuant to 40 CFR Part 63, Subpart DDDDD, Appendix A.
2. Cornell must comply with the mercury emissions standard.
3. Cornell must comply with the HCl emission standard (0.09 lb/mmBtu) or the alternative compliance demonstration of 40 CFR Part 63, Subpart DDDDD, Appendix A.

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4. Cornell must operate a device for continuously monitoring and recording opacity that meets the requirements of 40 CFR 63.7525(b), and submit to the DEC a site specific monitoring plan for each monitor. Such plan must be submitted at least 60 days prior to the initial performance evaluation. The continuous opacity monitoring devices must be subject to daily, quarterly and annual audits, defined in the site-specific monitoring plan.
5. Cornell must develop a site-specific startup and shutdown and malfunction plan in accordance with 40 CFR 63.6(e)(3).
6. Cornell must submit all of the notifications required by 40 CFR 63.7545(a), (d) and (e).
7. Cornell must submit each applicable report identified in 40 CFR Part 63, Subpart DDDDD, Table 9.
8. Cornell must keep all applicable records specified in 40 CFR 63.7555.
9. For affected sources that elect to comply with any of the emission limits of 40 CFR Subpart DDDDD through performance testing, your initial compliance requirements include conducting performance tests according to § 63.7520. Cornell must conduct such emissions testing in accordance with 40 CFR 63.7515.
10. Cornell must comply with all applicable requirements of 40 CFR Part 63, Subpart A.

On an annual basis, Cornell shall include in its annual compliance certification report to the DEC a statement whether it has complied with this requirement.

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 1/30/2008.

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

Condition 29: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

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Applicable Federal Requirement: 40CFR 64

Item 29.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP01

Process: B8C

Emission Source: BOIL8

Emission Unit: 1-CHP02

Process: B1C

Emission Source: BOIL1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 29.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Boiler 1 and Boiler 8 are subject to the Compliance Assurance Monitoring (CAM) requirements for particulate emissions. CAM will be achieved using Continuous Opacity Monitors (COMs).

1. Opacity in excess of 20% in any six minute period (except for one six minute period per hour in which opacity does not exceed 27%) will constitute an excursion of the CAM plan. Corrective action to reduce opacity shall be taken as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

Taking corrective action pursuant to this condition does not absolve or relieve the owner or operator from compliance with 6 NYCRR 227-1.3.

2. The COMs must satisfy the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1 and 40 CFR Part 60, Subpart A, Section 60.13 as applicable to COMS. The COMs shall complete a minimum of one cycle of sampling and analyzing for each successive 10 second period and one cycle of data recording for each successive 6 minute period.

3. The owner or operator shall maintain necessary parts

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for routine repairs of the COMS.

4. On a quarterly basis, the owner or operator shall submit to the DEC a report including: summary information on the number, duration and cause (including unknown cause, if applicable) of excursions and the corrective actions taken; and summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with daily calibration checks). Reports required in other conditions found elsewhere in this permit that satisfy this condition are acceptable.

5. Within 180 days of receipt of written notice from the DEC, or within 180 days of the end of a calendar quarter in which the duration of excursions exceeds 2% of the emission source's operating time, the owner or operator shall develop, for DEC approval, a quality improvement plan (QIP). The QIP shall include the items specified in 40 CFR 64.8(b).

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

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

Condition 30: Emission Point Definition By Emission Unit
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 30.1:

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

Emission Unit: 1-CHP01

Emission Point: 00001

Height (ft.): 225

Diameter (in.): 136



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NYTMN (km.): 4700.1 NYTME (km.): 378.3 Building: 5510B

Item 30.2:

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

Emission Unit: 1-CHP02

Emission Point: 00002

Height (ft.): 225

Diameter (in.): 132

NYTMN (km.): 4700.1

NYTME (km.): 378.3

Building: 5510B

Item 30.3:

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

Emission Unit: 1-CHP03

Emission Point: 00003

Height (ft.): 77

Diameter (in.): 60

NYTMN (km.): 4700.1

NYTME (km.): 378.3

Building: 5510B

Condition 31: Process Definition By Emission Unit

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 31.1:

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

Emission Unit: 1-CHP01

Process: 67G

Source Classification Code: 1-02-006-01

Process Description:

PROCESS 67G CONSISTS OF NATURAL GAS
COMBUSTION IN A 145 MMBTU/HR BOILER. THIS
PROCESS APPLIES TO BOILER 6 AND/OR BOILER
7. ALL PROCESS APPLICABLE REQUIREMENTS AND
REPORTED PROCESS EMISSIONS APPLY TO EACH
BOILER. FGR IS OPTIONALLY USED FOR NO_x
CONTROL IN BOILER 6.

Emission Source/Control: BOIL6 - Combustion

Emission Source/Control: BOIL7 - Combustion

Item 31.2:

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

Emission Unit: 1-CHP01

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Process: 67O

Source Classification Code: 1-02-004-01

Process Description:

PROCESS 67O CONSISTS OF COMBUSTION OF OIL (NO. 6 FUEL OIL OR NO. 6 FUEL OIL AND WASTE FUEL A). THE DESIGN CAPACITY OF THE UNIT WHEN FIRING NO. 6 OIL IS 138 MILLION Btu'S PER HOUR. THIS PROCESS APPLIES TO BOILER 6 AND/OR BOILER 7. ALL PROCESS APPLICABLE REQUIREMENTS AND REPORTED PROCESS EMISSIONS APPLY TO EACH BOILER. FGR IS OPTIONALLY USED FOR NOX CONTROL IN BOILER 6.

Emission Source/Control: BOIL6 - Combustion

Emission Source/Control: BOIL7 - Combustion

Item 31.3:

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

Emission Unit: 1-CHP01

Process: B8C

Source Classification Code: 1-02-002-05

Process Description:

PROCESS B8C CONSISTS OF COAL COMBUSTION IN THE 248 MMBTU/HR MASS OVERFEED STOKER BOILER 8.

Emission Source/Control: BOIL8 - Combustion

Design Capacity: 248 million Btu per hour

Emission Source/Control: FF008 - Control

Control Type: FABRIC FILTER

Item 31.4:

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

Emission Unit: 1-CHP02

Process: B1C

Source Classification Code: 1-02-002-04

Process Description:

PROCESS B1C CONSISTS OF COAL COMBUSTION IN 117 MMBTU/HR SPREADER STOKER BOILER 1.

Emission Source/Control: BOIL1 - Combustion

Design Capacity: 117 million Btu per hour

Emission Source/Control: FF001 - Control

Control Type: FABRIC FILTER



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Item 31.5:

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

Emission Unit: 1-CHP02

Process: B20

Source Classification Code: 1-02-004-01

Process Description:

PROCESS B20 CONSISTS OF NO. 6 FUEL OIL
COMBUSTION IN 103 MMBTU/HR BOILER 2.

Emission Source/Control: BOIL2 - Combustion

Design Capacity: 103 million Btu per hour

Item 31.6:

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

Emission Unit: 1-CHP03

Process: B5G

Source Classification Code: 1-02-006-01

Process Description:

PROCESS B5G IS NATURAL GAS COMBUSTION IN
145 MMBTU/HR BOILER 5.

Emission Source/Control: BOIL5 - Combustion

Design Capacity: 145 million Btu per hour

Item 31.7:

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

Emission Unit: 1-CHP05

Process: CSP

Source Classification Code: 3-05-103-03

Process Description:

THIS PROCESS CONSISTS OF COAL STORAGE AND
HANDLING ASSOCIATED WITH THE COAL STORAGE
PILE. ALL EMISSIONS ARE FUGITIVE.

Emission Source/Control: CPILE - Process

Condition 32: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Item 32.2:

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THIS CONDITION APPLIES TO BOILERS 6, 7 AND 8. OPACITY FROM EACH BOILER SHALL NOT BE GREATER THAN 20% FOR A 6 MINUTE AVERAGE, EXCEPT FOR ONE 6-MINUTE AVERAGE PER HOUR OF NOT GREATER THAN 27%. COMPLIANCE SHALL BE DETERMINED BY CONTINUOUSLY MONITORING OPACITY WITH CONTINUOUS OPACITY MONITORS LOCATED IN THE BREECHING OF EACH BOILER (BOILERS 6, 7& 8).

THE PART 227 OPACITY STANDARD APPLIES DURING PERIODS OF STARTUP, SHUTDOWN AND MALFUNCTION, BUT VIOLATIONS OF THIS STANDARD MAY BE EXCUSED BY THE COMMISSIONER OF THE DEC PROVIDED THE RECORDKEEPING AND REPORTING REQUIREMENTS OF 6 NYCRR 201-1.4 ARE FOLLOWED.

In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner 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, the facility owner and/or operator shall submit to the DEC a written report describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

Manufacturer Name/Model Number: UNITED SCIENCES/500C

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

Subsequent reports are due every 3 calendar month(s).

Condition 33: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-1.4(b)

Item 33.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE OWNER OR OPERATOR SHALL INSTALL, OPERATE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND PROPERLY MAINTAIN, ACCURATE INSTRUMENTS SATISFYING THE CRITERIA IN APPENDIX B OF TITLE 40, PART 60 OF THE CODE OF FEDERAL REGULATIONS, FOR CONTINUOUSLY MONITORING AND RECORDING OPACITY FROM EACH OF THE BOILERS EXHAUSTING TO EMISSION POINT EP00001. THE OWNER OR OPERATOR SHALL SUBMIT AN ACCURATE EXCESS EMISSIONS AND MONITORING SYSTEM PERFORMANCE REPORT TO THE DEPARTMENT FOR EACH CALENDAR YEAR QUARTER. ALL REPORTS SHALL BE CERTIFIED BY A RESPONSIBLE CORPORATE OFFICIAL AS TRUE, ACCURATE AND COMPLETE AND POSTMARKED BY THE 60TH DAY FOLLOWING THE END OF EACH CALENDAR QUARTER. THE QUARTERLY EXCESS EMISSIONS REPORT SHALL BE SUBMITTED IN A FORM ACCEPTABLE TO THE DEPARTMENT AND SHALL INCLUDE THE FOLLOWING INFORMATION:

1. THE MAGNITUDE, DATE AND TIME OF EACH 6-MINUTE BLOCK AVERAGE DURING WHICH THE AVERAGE OPACITY OF EMISSIONS EXCEEDED 20

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PERCENT, EXCEPT FOR ONE SIX MINUTE BLOCK AVERAGE PER HOUR NOT TO EXCEED 27 PERCENT;

2. FOR EACH PERIOD OF EXCESS EMISSION, SPECIFIC IDENTIFICATION OF THE CAUSE AND CORRECTIVE ACTION TAKEN;

3. IDENTIFICATION OF ALL PERIODS OF COMS DOWNTIME, INCLUDING THE DATE, TIME AND DURATION OF EACH INOPERABLE PERIOD, AND THE CAUSE AND CORRECTIVE ACTION FOR EACH COMS DOWNTIME PERIOD;

4. THE TOTAL TIME IN WHICH THE COMS ARE REQUIRED TO RECORD DATA DURING THE REPORTING PERIOD;

5. THE TOTAL NUMBER OF EXCEEDANCES AND THE DURATION OF EXCEEDANCES EXPRESSED AS A PERCENTAGE OF THE TOTAL TIME IN WHICH THE COMS ARE REQUIRED TO RECORD DATA; AND

6. SUCH OTHER THINGS AS THE DEPARTMENT MAY DEEM NECESSARY, PROPER OR DESIRABLE IN ORDER TO ENFORCE ARTICLE 19 OF THE ENVIRONMENTAL CONSERVATION LAW OR THE RULES PROMULGATED THEREUNDER.

Manufacturer Name/Model Number: United Sciences

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: PART60, APP B, PS1

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

Subsequent reports are due every 3 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-2.4(b)(1)

Item 34.1:



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Facility DEC ID: 7500700030

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67G

Regulated Contaminant(s):

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE OWNER OR OPERATOR MUST COMPLY WITH 6 NYCRR 227-2, NOX RACT. BOILERS 6 AND 7 ARE LARGE BOILERS. EMISSIONS OF NOX FROM BOILERS 6 AND/OR 7 SHALL NOT EXCEED 0.30LB/MMBTU WHEN BURNING GAS (PROCESS 67G). COMPLIANCE SHALL BE DETERMINED ON A 24 HOUR BLOCK AVERAGE FROM MAY 1-SEPTEMBER 15, AND A 30 DAY ROLLING AVERAGE FROM SEPTEMBER 16 TO APRIL 30. THE OWNER OR OPERATOR SHALL MONITOR EMISSIONS USING THE MONITORING SYSTEM REQUIRED UNDER 40 CFR PART 60, SUBPART DB. THE OWNER OR OPERATOR SHALL SUBMIT TO DEC ON A QUARTERLY BASIS REPORTS OF EXCESS EMISSIONS OF NO_x. SUCH REPORTS SHALL STATE THE DATE, TIME AND MAGNITUDE OF THE EXCEEDANCE, THE CAUSE OF THE EXCEEDANCE, AND THE CORRECTIVE ACTION TAKEN. THE OWNER OR OPERATOR SHALL ALSO SUBMIT TO THE DEC A REPORT OF THE TIME PERIODS THAT THE NOX MONITORING SYSTEM IS NOT OPERATING. SUCH REPORTS SHALL STATE THE DATE AND TIME OF EACH PERIOD THAT THE MONITORING SYSTEM WAS NOT OPERATING, THE REASON FOR THE MALFUNCTION, AND THE CORRECTIVE ACTION.

Manufacturer Name/Model Number: MONITOR LABS

Upper Permit Limit: 0.3 pounds per million Btus

Reference Test Method: Part 60, App. B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.



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Facility DEC ID: 7500700030

The initial report is due 7/30/2007.

Subsequent reports are due every 3 calendar month(s).

Condition 35: Recordkeeping requirements.

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.7(b), NSPS Subpart A

Item 35.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 35.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 36: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.7(c), NSPS Subpart A

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;



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- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 37: Excess Emissions Report
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.7(d), NSPS Subpart A

Item 37.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 37.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 38: Facility files for subject sources.
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.7(f), NSPS Subpart A

Item 38.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 38.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device



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calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 39: Compliance with Standards and Maintenance Requirements
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

Item 39.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 39.2:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source

Condition 40: Circumvention.
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 40.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 40.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 41: Monitoring requirements.
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 41.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G



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Item 41.2:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 42: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.44b(a)(1), NSPS Subpart Db

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67G

Regulated Contaminant(s):

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

BOILERS 6 AND 7 ARE SUBJECT TO 40 CFR 60.44b(a). THE NO_x NSPS LIMIT FOR PROCESS 67G (Burning gas in Boilers 6 and 7) IS 0.10 LB/MMBTU COMPUTED ON A 30 DAY ROLLING AVERAGE.

THE FACILITY SHALL NOT CAUSE OR ALLOW EMISSIONS OF NO_x IN EXCESS OF 0.10 LB/MMBTU FROM EITHER BOILER 6 OR BOILER 7 WHEN COMBUSTING NATURAL GAS, COMPUTED ON A 30 DAY ROLLING AVERAGE. THE OWNER OR OPERATOR SHALL MONITOR EMISSIONS USING THE MONITORING SYSTEM REQUIRED UNDER 40 CFR PART 60, SUBPART DB.

Manufacturer Name/Model Number: MONITOR LABS SM8175

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: 40 CFR 60, App B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.



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

Condition 43: Compliance methods for oxides of nitrogen.
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 43.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67G

Item 43.2:

Oxides of nitrogen emission standards in section 40 CFR 60-Db.44b shall apply at all times.

Condition 44: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67G

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 45: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db



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Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67G

Regulated Contaminant(s):

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
- 8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.



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- 9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
- 10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 46: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(h), NSPS Subpart Db

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67G

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit semiannual excess emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 47: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(i), NSPS Subpart Db

Item 47.1:



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The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67G

Regulated Contaminant(s):

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

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 48: Records Retention

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(o), NSPS Subpart Db

Item 48.1:

This Condition applies to Emission Unit: 1-CHP01

Process: 67G

Item 48.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 49: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 225-2.3(b)(1)

Item 49.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 7500700030



Emission Unit: 1-CHP01

Process: 67O

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE OWNER OR OPERATOR MAY BURN WASTE FUEL A, AS DEFINED IN 6 NYCRR 225-2, IN BOILERS 6, OR 7, PROVIDED THE FOLLOWING CONDITIONS ARE MET.

1. ONLY WASTE FUEL A (SUBPART 225-2) AND WASTE OIL MEETING THE REQUIREMENTS FOR EXEMPTION UNDER 40 CFR 266, SUBPART E SHALL BE BURNED.
2. INDIVIDUAL BOILERS MUST DEMONSTRATE 99% OR GREATER COMBUSTION EFFICIENCY WHEN BURNING WASTE FUEL. COMBUSTION EFFICIENCY SHALL BE DETERMINED IN CONFORMANCE WITH AIR GUIDE 17, APPENDIX III.
3. FUEL ANALYSES MUST COMPLY WITH THE ANALYTICAL METHODS REFERENCED IN AIR GUIDE 17, APPENDIX II.
4. THE OWNER OR OPERATOR IS ALLOWED TO BLEND ("BULK UP") OILS FROM CAMPUS FACILITIES FOR THE PURPOSE OF SAMPLING AND ANALYSIS (OF EACH BATCH) PRIOR TO BURNING. THE OWNER OR OPERATOR SHALL RECORD AND MAINTAIN RECORDS SHOWING THE ORIGIN OF THE WASTE FUEL, THE TYPE OF OIL, AND THE QUANTITY AND DATE DELIVERED TO THE BULK TANK.
5. THE FIRING RATE FOR WASTE FUEL A SHALL NOT EXCEED 10% FOR THE FIRING RATE, ON A BTU BASIS, OF THE PRIMARY FUEL TO THE BOILER. BOILERS 6 AND 7 MUST BE STABILIZED AT OR ABOVE 40 MMBTU/HR HEAT INPUT WHEN FIRING WASTE FUEL A.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 50: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-1.2(a)(1)

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.10 LB/MMBTU FOR BOILERS 6 OR 7 WHEN FIRING OIL (PROCESS 67O). COMPLIANCE SHALL BE DETERMINED USING STACK TESTING ACCORDING TO METHODS FOUND AT 40 CFR PART 60 APPENDIX A. STACK TESTING SHALL BE CONDUCTED AT LEAST ONCE PER PERMIT TERM, AND ADDITIONALLY UPON REQUEST FROM THE DEPARTMENT. STACK TESTING IS NOT REQUIRED IF THE BOILER HAS NOT OPERATED MORE THAN 168 HOURS DURING ANY ANNUAL PERIOD (BASED ON THE PERMIT ANNIVERSARY DATE) DURING THE PERMIT TERM, UNLESS SPECIFICALLY REQUESTED BY THE DEC PURSUANT TO 6 NYCRR 202-1.1.

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: PART60,APP A, METH 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-2.4(b)(1)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant(s):

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE OWNER OR OPERATOR MUST COMPLY WITH 6 NYCRR 227-2, NOX RACT. BOILERS 6 AND 7 ARE LARGE BOILERS. EMISSIONS OF NOX FROM BOILERS 6 AND/OR 7 SHALL NOT EXCEED 0.30LB/MMBTU WHEN BURNING OIL (PROCESS 67O). COMPLIANCE SHALL BE DETERMINED ON A 24 HOUR BLOCK AVERAGE FROM MAY 1 TO SEPTEMBER 15, AND A 30 DAY ROLLING AVERAGE FROM SEPTEMBER 16 TO APRIL 30. THE OWNER OR OPERATOR SHALL MONITOR EMISSIONS USING THE MONITORING SYSTEM REQUIRED UNDER 40 CFR PART 60, SUBPART DB. THE OWNER OR OPERATOR SHALL SUBMIT TO DEC ON A QUARTERLY BASIS REPORTS OF EXCESS EMISSIONS OF NO_x. SUCH REPORTS SHALL STATE THE DATE, TIME AND MAGNITUDE OF THE EXCEEDANCE, THE CAUSE OF THE EXCEEDANCE, AND THE CORRECTIVE ACTION TAKEN. THE OWNER OR OPERATOR SHALL ALSO SUBMIT TO THE DEC A REPORT OF THE TIME PERIODS THAT THE NOX MONITORING SYSTEM IS NOT OPERATING. SUCH REPORTS SHALL STATE THE DATE AND TIME OF EACH PERIOD THAT THE MONITORING SYSTEM WAS NOT OPERATING, THE REASON FOR THE MALFUNCTION, AND THE CORRECTIVE ACTION.



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Manufacturer Name/Model Number: MONITOR LABS
Upper Permit Limit: 0.3 pounds per million Btus
Reference Test Method: Part 60, App. B and F
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 52: Recordkeeping requirements.
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.7(b), NSPS Subpart A

Item 52.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 52.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 53: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.7(c), NSPS Subpart A

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days

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following the end of the reporting period, and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 54: Excess Emissions Report
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.7(d), NSPS Subpart A

Item 54.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 54.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

Condition 55: Facility files for subject sources.
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.7(f), NSPS Subpart A



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Item 55.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 55.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 56: Compliance with Standards and Maintenance Requirements
Effective between the dates of 04/02/2007 and 04/01/2012**

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

Item 56.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 56.2:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source

**Condition 57: Circumvention.
Effective between the dates of 04/02/2007 and 04/01/2012**

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 57.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 57.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 58: Monitoring requirements.



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 58.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 58.2:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 59: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.42b(a), NSPS Subpart Db

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: 67O

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

Item 59.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

UNITS 6 AND 7 ARE SUBJECT TO THE SULFUR
DIOXIDE LIMIT IN 40 CFR PART 60, SUBPART
Db:

THE OWNER AND OPERATOR SHALL NOT CAUSE TO
BE DISCHARGED INTO INTO THE ATMOSPHERE
ANY GASES CONTAINING SULFUR DIOXIDE IN
EXCESS OF 0.80 LB SO₂/MMBTU, WHILE
COMBUSTING OIL (PROCESS 67O). PURSUANT
TO 40 CFR 60.42b(e), COMPLIANCE IS BASED
ON A 30 DAY ROLLING AVERAGE. CORNELL
SHALL DEMONSTRATE COMPLIANCE WITH THIS
LIMIT BY COMBUSTING ONLY VERY LOW SULFUR
OIL AS DEFINED IN 40 CFR 60.41b. VERY
LOW SULFUR OIL MEANS AN OIL THAT CONTAINS

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NO MORE THAN 0.5 WEIGHT PERCENT SULFUR OR THAT, WHEN COMBUSTED WITHOUT SULFUR DIOXIDE EMISSION CONTROL, HAS A SULFUR DIOXIDE EMISSION RATE EQUAL TO OR LESS THAN 0.5 LB/MMBTU. THE PERCENT REDUCTION REQUIREMENT OF 40 CFR 60.42b(a) ARE NOT APPLICABLE, PER 60.42b(j).

THESE UNITS ARE ALSO SUBJECT TO THE SULFUR-IN-OIL LIMIT IN PART 225-1.2(A)(1). THE OWNER OR OPERATOR SHALL NOT SELL, OFFER FOR SALE, PURCHASE OR USE ANY FUEL OIL WHICH CONTAINS SULFUR IN EXCESS OF 0.75% BY WEIGHT FOR USE IN BOILERS 6 OR 7 (PROCESS 67O).

COMPLIANCE WITH THIS REQUIREMENT WILL BE DEMONSTRATED IN ACCORDANCE WITH USEPA'S LETTER TO PATRICK O. McNALLY OF CORNELL, DATED SEPTEMBER 20, 2000.

Parameter Monitored: SULFUR

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 60: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.43b(f), NSPS Subpart Db

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 60.2:



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSIONS FROM BOILERS 6 AND 7 (PROCESS 670) ARE SUBJECT TO 40 CFR 60.43b(f). THE OWNER OR OPERATOR SHALL NOT CAUSE TO BE DISCHARGED INTO THE ATMOSPHERE 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. PURSUANT TO 40 CFR 60.43b(g), THE SUBPART Db OPACITY STANDARD SHALL APPLY AT ALL TIMES, EXCEPT DURING STARTUP, SHUTDOWN OR MALFUNCTION.

Manufacturer Name/Model Number: United Sciences/500C

Upper Permit Limit: 20 percent

Reference Test Method: PART 60, APP B, PS1

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 7/30/2007.

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

Condition 61: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.44b(a)(2), NSPS Subpart Db

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 670

Regulated Contaminant(s):

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

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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Permit ID: 7-5007-00030/00031

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BOILERS 6 AND 7 ARE SUBJECT TO 40 CFR 60.44b(a). THE NSPS LIMIT FOR PROCESS 67O (BURNING OIL IN EITHER BOILER 6 OR BOILER 7) IS 0.30 LB/MMBTU COMPUTED ON A 30 DAY ROLLING AVERAGE.

THE FACILITY SHALL NOT CAUSE OR ALLOW EMISSIONS OF NOX IN EXCESS OF 0.30 LB/MMBTU FROM EITHER BOILER 6 OR BOILER 7 WHEN COMBUSTING FUEL OIL, COMPUTED ON A 30 DAY ROLLING AVERAGE. THE OWNER OR OPERATOR SHALL MONITOR EMISSIONS USING THE MONITORING SYSTEM REQUIRED UNDER 40 CFR PART 60, SUBPART DB.

Manufacturer Name/Model Number: Monitor Labs SM8175

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: 40 CFR Part60, Appendix B and F

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

**Condition 62: Compliance methods for opacity.
Effective between the dates of 04/02/2007 and 04/01/2012**

Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 62.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 62.2:

The opacity standards in section 40 CFR 60-Db.43b shall apply at all times except during periods of startup, shutdown and malfunction.

**Condition 63: Compliance methods for oxides of nitrogen.
Effective between the dates of 04/02/2007 and 04/01/2012**

Applicable Federal Requirement: 40CFR 60.46b, NSPS Subpart Db

Item 63.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Item 63.2:

Oxides of nitrogen emission standards in section 40 CFR 60-Db.44b shall apply at all times.

Condition 64: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for each calendar quarter. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 65: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(g), NSPS Subpart Db

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant(s):

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

Item 65.2:

Compliance Certification shall include the following monitoring:

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Facility DEC ID: 7500700030



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of the following information for each steam generating unit operating day:

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO₂) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted.
- 8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.
- 9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.
- 10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Condition 66: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(h), NSPS Subpart Db

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall submit semiannual excess emission reports for opacity and/or, oxides of nitrogen, and/or sulfur dioxide any reporting period during which there are excess emissions from the affected facility. If there are no excess emissions during the reporting period, the owner or operator shall submit a report semiannually stating that no excess emissions occurred during that semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 67: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(i), NSPS Subpart Db

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Regulated Contaminant(s):

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

Item 67.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48b shall submit reports containing the information recorded under 40CFR60.49b(g). All reports shall be postmarked by the 30th day following the end of each semiannual period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 68: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 40CFR 60.49b(j), NSPS Subpart Db

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 67O

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility subject to the sulfur dioxide standards under 60.42b shall submit written reports to the Administrator for every semiannual reporting period. 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 7/30/2007.

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

Condition 69: Records Retention

Effective between the dates of 04/02/2007 and 04/01/2012



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Applicable Federal Requirement: 40CFR 60.49b(o), NSPS Subpart Db

Item 69.1:

This Condition applies to Emission Unit: 1-CHP01
Process: 67O

Item 69.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of 2 years following the date of such record.

Condition 70: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-1.2(a)(4)

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.3 LB/MMBTU FOR BOILER 8 WHEN FIRING COAL (PROCESS B8C). COMPLIANCE SHALL BE DETERMINED USING STACK TESTING ACCORDING TO METHODS FOUND AT 40 CFR PART 60 APPENDIX A. STACK TESTING SHALL BE CONDUCTED AT LEAST ONCE PER PERMIT TERM, AND ADDITIONALLY UPON REQUEST FROM THE DEPARTMENT. STACK TESTING IS NOT REQUIRED IF THE BOILER HAS NOT OPERATED MORE THAN 168 HOURS DURING ANY ANNUAL PERIOD (BASED ON THE PERMIT ANNIVERSARY DATE) DURING THE PERMIT TERM, UNLESS SPECIFICALLY REQUESTED BY THE DEC PURSUANT TO 6 NYCRR 202-1.1.



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Upper Permit Limit: 0.3 pounds per million Btus
Reference Test Method: PART 60,APP A, METH5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 71: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
THE OWNER OR OPERATOR MUST COMPLY WITH 6
NYCRR 227-2, NOX RACT. BOILER 8 IS A
LARGE BOILER. EMISSIONS OF NOX FROM
BOILER 8 SHALL NOT EXCEED 0.40LB/MMBTU ON
A ONE-HOUR AVERAGE. COMPLIANCE SHALL BE
DETERMINED USING STACK TESTING ACCORDING
TO METHODS FOUND AT 40 CFR PART 60
APPENDIX A. STACK TESTING SHALL BE
CONDUCTED AT LEAST ONCE PER PERMIT TERM,
AND ADDITIONALLY UPON REQUEST FROM THE
DEPARTMENT. STACK TESTING IS NOT
REQUIRED IF THE BOILER HAS NOT OPERATED
MORE THAN 168 HOURS DURING ANY ANNUAL
PERIOD (BASED ON THE PERMIT ANNIVERSARY
DATE) DURING THE PERMIT TERM, UNLESS
SPECIFICALLY REQUESTED BY THE DEC
PURSUANT TO 6 NYCRR 202-1.1.

Upper Permit Limit: 0.4 pounds per million Btus
Reference Test Method: PT 60,APP A, METH 7E
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 72: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: B8C

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 72.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT
TO 6 NYCRR 200.6 AND 6 NYCRR
257-1.4.

THESE RULES PROVIDE THAT NO PERSON SHALL
ALLOW OR PERMIT ANY AIR CONTAMINATION
SOURCE TO EMIT AIR CONTAMINANTS IN
QUANTITIES WHICH ALONE OR IN COMBINATION
WITH EMISSIONS FROM OTHER AIR
CONTAMINATION SOURCES WOULD CONTRAVENE
ANY APPLICABLE AMBIENT AIR QUALITY
STANDARD AND/OR CAUSE AIR POLLUTION. IN
SUCH CASES WHERE CONTRAVENTION OCCURS OR
MAY OCCUR, THE COMMISSIONER SHALL SPECIFY
THE DEGREE AND/OR METHOD OF EMISSION
CONTROL REQUIRED.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE
SULFUR DIOXIDE AMBIENT STANDARD, THE
SULFUR CONTENT OF COAL BURNED IN BOILER 8
(PROCESS B8C) SHALL NOT EXCEED 1.2% BY
WEIGHT, AS MEASURED FOR ANY AND ALL FUEL
SAMPLES.

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



SAMPLING AND ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH A DEC-APPROVED PROTOCOL. COPIES OF THE PROTOCOL AND DEC'S APPROVAL MUST BE MAINTAINED ON SITE AT ALL TIMES. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT SAMPLING AND ANALYSIS REPORTS ON A CALENDAR QUARTER BASIS.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.2 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01
Process: B8C

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

Item 73.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
EMISSIONS FROM THIS SOURCE ARE SUBJECT TO 6 NYCRR 200.6 AND 6 NYCRR 257-1.4.

THESE RULES PROVIDE THAT NO PERSON SHALL ALLOW OR PERMIT ANY AIR CONTAMINATION

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE SULFUR DIOXIDE AMBIENT STANDARD, THE SULFUR CONTENT OF COAL BURNED IN BOILER 8 (PROCESS B8C) SHALL NOT EXCEED 1.0% BY WEIGHT FOR EACH ROLLING 12 MONTH ROLLING PERIOD.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH A DEC-APPROVED PROTOCOL. COPIES OF THE PROTOCOL AND DEC'S APPROVAL MUST BE MAINTAINED ON SITE AT ALL TIMES. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT SAMPLING AND ANALYSIS REPORTS ON A CALENDAR QUARTER BASIS.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.0 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 225-1.7(c)

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01 Emission Point: 00001

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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Part 225-1.7(c) requires that measurements must be made daily of the rate of each fuel burned. The gross heat content and ash content of each fuel burned must be determined at least once each week. This information must be retained by the source owner for a period of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 75: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-1.2(a)(4)

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.35LB/MMBTU FROM BOILER 1 (PROCESS B1C). COMPLIANCE SHALL BE DETERMINED USING STACK TESTING ACCORDING TO METHODS FOUND AT 40 CFR PART 60 APPENDIX A. STACK TESTING SHALL BE CONDUCTED AT LEAST ONCE PER PERMIT TERM, AND ADDITIONALLY UPON REQUEST FROM THE DEPARTMENT.

Manufacturer Name/Model Number: Lighthawk 560



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Upper Permit Limit: 0.35 pounds per million Btus

Reference Test Method: PART60, APP A, METH5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 76: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility shall not cause or allow emissions from Boiler 1 in excess of 20% opacity (six minute average), except for one six minute period per hour of not more than 27% opacity.

Compliance shall be determined by continuously monitoring opacity with a continuous opacity monitor located in the boiler breeching.

Reports of excess emissions shall be submitted on a calendar quarter basis. This opacity standard applies during periods of startup, shutdown and malfunction, but violations of this standard may be excused by the Commissioner of the DEC provided the facility follows the recordkeeping and reporting requirements of 6 NYCRR 201-1.4.

Manufacturer Name/Model Number: MONITOR LABS Lighthawk 560

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 77: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-2.4(b)(2)

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02
Process: B1C

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE NOX RACT LIMIT FOR B1C IS 0.52 LB/MMBTU. COMPLIANCE SHALL BE DEMONSTRATED BY STACK TESTING CONDUCTED AT LEAST ONCE PER PERMIT TERM, AND ADDITIONALLY AT THE REQUEST OF THE DEPARTMENT. STACK TESTING SHALL BE WAIVED IF THE BOILER HAS NOT OPERATED MORE THAN 168 HOURS DURING ANY ANNUAL PERIOD (BASED ON PERMIT ANNIVERSARY DATE) DURING THE PERMIT TERM, UNLESS SPECIFICALLY REQUESTED BY THE DEC PURSUANT TO 6 NYCRR 202-1.1.

Upper Permit Limit: 0.52 pounds per million Btus
Reference Test Method: PART60,APP A, METH7E
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 78: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



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

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Cornell is required to install and operate reasonably available control technology (RACT) on Boiler 1. For this facility, RACT is any technology that will reduce annual emissions of NOx at a cost (inclusive of annual capital recovery and annual operation and maintenance costs) no greater than \$3,000 per ton of NOx removed, in 1995 dollars. Cornell has demonstrated that there are no add-on controls that are cost effective. Accordingly, RACT has been set at the uncontrolled NOx level.

However, Cornell has not evaluated the potential cost savings that could result from sharing equipment that might be installed with a newly proposed gas turbine project. Accordingly, Cornell shall:

1. Upon submission of an application for the construction of the proposed gas turbines (or any other project that would allow cost sharing), or not later than 30 days after the effective date of this permit, whichever is later, solicit vendor quotes (in writing) for the turn-key installation and operation of SNCR on Boiler 1 from at least two different vendors. Copies of such requests shall be submitted to the DEC. Such quotes shall: evaluate costs of SNCR on Boiler 1 independent of the gas turbine project; evaluate the potential cost savings that would be achieved if the two projects (SNCR on Boiler 1 and NOx controls on the proposed gas turbines) were designed and sized together; and evaluate costs for ammonia and urea systems;
2. In the event that an application for the construction of the proposed gas turbines is not submitted within the term of this permit, Cornell shall solicit, within the term of this permit, vendor quotes for the turn-key



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installation and operation of SNCR on Boiler 1 from at least two different vendors; and

3. Submit to the DEC the quotes obtained in Item 1 or Item 2 above within 60 days of receipt from the vendor, and be accompanied with any and all correspondence between Cornell and the vendor(s). The cost-effectiveness of the control system shall be computed and compared to the cost of RACT, in current-year dollars.

On an annual basis, the owner or operator shall submit to the DEC in the annual compliance certification a statement on whether he or she has complied with this requirement.

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 1/30/2008.

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

Condition 79: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 79.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT TO 6 NYCRR 200.6 AND 6 NYCRR 257-1.4.

THESE RULES PROVIDE THAT NO PERSON SHALL ALLOW OR PERMIT ANY AIR CONTAMINATION

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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



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.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE SULFUR DIOXIDE AMBIENT STANDARD, THE SULFUR CONTENT OF COAL BURNED IN BOILER 1 (PROCESS B1C) SHALL NOT EXCEED 1.0% BY WEIGHT FOR EACH ROLLING 12 MONTH PERIOD.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH A DEC-APPROVED PROTOCOL. COPIES OF THE PROTOCOL AND DEC'S APPROVAL MUST BE MAINTAINED ON SITE AT ALL TIMES. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT SAMPLING AND ANALYSIS REPORTS ON A CALENDAR QUARTER BASIS.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.0 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

Subsequent reports are due every 3 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B1C

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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 80.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT
TO 6 NYCRR 200.6 AND 6 NYCRR
257-1.4.

THESE RULES PROVIDE THAT NO PERSON SHALL
ALLOW OR PERMIT ANY AIR CONTAMINATION
SOURCE TO EMIT AIR CONTAMINANTS IN
QUANTITIES WHICH ALONE OR IN COMBINATION
WITH EMISSIONS FROM OTHER AIR
CONTAMINATION SOURCES WOULD CONTRAVENE
ANY APPLICABLE AMBIENT AIR QUALITY
STANDARD AND/OR CAUSE AIR POLLUTION. IN
SUCH CASES WHERE CONTRAVENTION OCCURS OR
MAY OCCUR, THE COMMISSIONER SHALL SPECIFY
THE DEGREE AND/OR METHOD OF EMISSION
CONTROL REQUIRED.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE
SULFUR DIOXIDE AMBIENT STANDARD, THE
SULFUR CONTENT OF COAL BURNED IN BOILER 1
(PROCESS B1C) SHALL NOT EXCEED 1.2% BY
WEIGHT AS MEASURED FOR ANY AND ALL FUEL
SAMPLES.

SAMPLING AND ANALYSIS SHALL BE CONDUCTED
IN ACCORDANCE WITH A DEC-APPROVED
PROTOCOL. COPIES OF THE PROTOCOL AND
DEC'S APPROVAL MUST BE MAINTAINED ON SITE
AT ALL TIMES. THE OWNER OR OPERATOR
SHALL SUBMIT TO THE DEPARTMENT SAMPLING
AND ANALYSIS REPORTS ON A CALENDAR
QUARTER BASIS.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.2 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION



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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

Subsequent reports are due every 3 calendar month(s).

Condition 81: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B20

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

BOILER 2 COMBUSTS NO. 6 FUEL OIL WHICH MEETS THE USEPA DEFINITION OF VERY LOW SULFUR FUEL OIL. THE FUEL SUPPLY IS THE SAME FOR BOILER 2 AS FOR BOILERS 6 AND 7. THE SULFUR CONTENT OF FUEL OIL BURNED IN BOILER 2 IS LIMITED BY 6 NYCRR PART 225 TO 1.5% BY WEIGHT. THE OWNER OR OPERATOR SHALL NOT SELL, OFFER FOR SALE, PURCHASE OR USE ANY FUEL OIL WHICH CONTAINS SULFUR GREATER THAN 1.5% BY WEIGHT. COMPLIANCE WITH THIS LIMIT WILL BE DEMONSTRATED THROUGH FUEL SUPPLIER CERTIFICATIONS OR RECEIPTS AND THROUGH SAMPLING AND ANALYSIS OF BOILER 6 AND 7 IN ACCORDANCE WITH USEPA'S LETTER TO PATRICK O. McNALLY OF CORNELL DATED SEPTEMBER 20, 2000. CORNELL MUST MAINTAIN VENDOR RECEIPTS SHOWING THAT THE SULFUR CONTENT OF THE FUEL OIL PURCHASED MEETS THIS REQUIREMENT, AND RECORDS OF THE FUEL

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ANALYSES FOR BOILERS 6 AND 7.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5% percent by weight

Reference Test Method: VENDOR RECEIPTS

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 82: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B20

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall operate Boiler 2 (B2O) such that it exhibits less than or equal to 20% opacity (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance may be determined by conducting observations in accordance with EPA Method 9 and/or considering any other credible evidence, including continuous opacity monitoring data.

The owner or operator shall:

1) Observe the stack for this boiler, when operating, at least once per day for visible emissions. This observation must be conducted during daylight hours except during adverse weather conditions (fog, rain or snow).

2) The results of each observation must be recorded in a



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bound logbook or other format acceptable to the Department. The following data must be recorded: the weather condition and whether a plume was observed.

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

3) If the owner or operator observes any visible emissions (other than steam - see below) two consecutive days firing oil, then the opacity must be determined using EPA Method 9, based on a six minute average, within two business days of such occurrence. The result of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is exceeded. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

In lieu of observing the stack each operating day, the owner or operator may elect to monitor emissions using a continuous emission monitor, located either in the stack or in the breeching of Boiler 2.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 83: Compliance Certification
Effective between the dates of 04/02/2007 and 04/01/2012



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Applicable Federal Requirement: 6NYCRR 227-2.4(b)(1)

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B20

Regulated Contaminant(s):

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

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Boiler 2 is a large boiler subject to 6 NYCRR 227-2.4(b)(1). The facility shall not cause or allow emissions of NO_x to the atmosphere in excess of 0.30 LB/MMBTU. Compliance shall be determined using stack testing conducted according to methods found at 40 CFR Part 60, Appendix A. Stack testing shall be conducted at least once per permit term and additionally upon request from the DEC. Stack testing shall not be required if the boiler has not operated more than 168 hours during any annual period (based on the permit anniversary date) during the permit term, unless specifically requested by the DEC pursuant to 6 NYCRR 202-1.1.

Upper Permit Limit: 0.3 pounds per million Btus

Reference Test Method: PART60,APP A, METH7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 84: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-2.4(b)(1)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B20



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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030

Item 84.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EMISSION TESTING HAS SHOWN THAT BOILER 2
MUST OPERATE AT GREATER THAN 25%
OPERATING LOAD, CORRESPONDING TO
17,500LB/HR STEAM (FULL RATED LOAD IS
70,000 LB/HR STEAM). MONITORING AND
RECORDING OF STEAM OUTPUT WILL BE USED TO
DEMONSTRATE COMPLIANCE W/ THIS LIMIT.

Parameter Monitored: STEAM USAGE

Lower Permit Limit: 17500 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 85: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02

Process: B20

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Pursuant to Section 110 of the Federal Clean Air Act, the
EPA approved, as part of New York's State Implementation
Plan, a regulation for the control of particulate matter.
The Department has since revised this rule, changing the
applicability criteria and the numerical limits. The
revisions, however, have not been approved by the EPA.
This condition requires compliance with the rule as it is
contained in the federally-approved SIP.

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

Compliance shall be determined using stack testing conducted according to methods found at 40 CFR Part 60, Appendix A. Stack testing shall be conducted at least once per permit term and additionally upon request from the DEC. Stack testing shall not be required if the boiler has not operated more than 168 hours during any annual period (based on the permit anniversary date) during the permit term, unless specifically requested by the DEC pursuant to 6 NYCRR 202-1.1.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 86: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 227-2.4(b)(1)

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP03

Regulated Contaminant(s):

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

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Boiler 5 is a large boiler subject to 6 NYCRR 227-2.4(b)(1). The facility shall not cause or allow emissions of NO_x to the atmosphere in excess of 0.20 lb/mmBtu. Compliance shall be determined using stack testing conducted according to methods found at 40 CFR Part 60, Appendix A. Stack testing shall be conducted at least once per permit term and additionally upon request from the DEC. Stack testing shall not be required if the boiler has not operated more than 168 hours during any annual period (based on the permit anniversary date) during the permit term, unless specifically requested by the DEC pursuant to 6 NYCRR 202-1.1.

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: PART60,APP A, METH7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 87: Compliance Certification

Effective between the dates of 04/02/2007 and 04/01/2012

Applicable Federal Requirement: 6NYCRR 257-1.4

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP03

Regulated Contaminant(s):

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

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EMISSIONS FROM THIS SOURCE ARE SUBJECT TO 6 NYCRR 200.6 AND 6 NYCRR 257-1.4.

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



THESE RULES PROVIDE THAT NO PERSON SHALL ALLOW OR PERMIT ANY AIR CONTAMINATION SOURCE TO EMIT AIR CONTAMINANTS IN QUANTITIES WHICH ALONE OR IN COMBINATION WITH EMISSIONS FROM OTHER AIR CONTAMINATION SOURCES WOULD CONTRAVENE ANY APPLICABLE AMBIENT AIR QUALITY STANDARD AND/OR CAUSE AIR POLLUTION. IN SUCH CASES WHERE CONTRAVENTION OCCURS OR MAY OCCUR, THE COMMISSIONER SHALL SPECIFY THE DEGREE AND/OR METHOD OF EMISSION CONTROL REQUIRED.

IN ORDER TO MAINTAIN COMPLIANCE WITH THE OXIDES OF NITROGEN AMBIENT STANDARD, THE OPERATING HOURS OF BOILER 5 ARE LIMITED TO 2,160 HOURS FOR EACH ROLLING 12 MONTH PERIOD. THE OWNER OR OPERATOR SHALL SUBMIT TO THE DEPARTMENT REPORTS ON A CALENDAR YEAR BASIS.

Monitoring Frequency: HOURLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 12 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 88: Contaminant List
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable State Requirement: ECL 19-0301

Item 88.1:

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: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 89: Unavoidable noncompliance and violations
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable State Requirement: 6NYCRR 201-1.4

Item 89.1:

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 90: Air pollution prohibited
Effective between the dates of 04/02/2007 and 04/01/2012

Applicable State Requirement: 6NYCRR 211.2

Item 90.1:

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.

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

Condition 91: Compliance Demonstration
Effective between the dates of 04/02/2007 and 04/01/2012

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

Item 91.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CHP02
Process: B20

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

Item 91.2:

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE OWNER OR OPERATOR SHALL NOT CAUSE OR ALLOW AN EMISSION INTO THE OUTDOOR ATMOSPHERE OF PARTICULATES IN EXCESS OF 0.20 LB/MMBTU FOR BOILER 2 WHEN FIRING OIL (PROCESS B2O).

Compliance shall be determined using stack testing conducted according to methods found at 40 CFR Part 60, Appendix A. Stack testing shall be conducted at least once per permit term and additionally upon request from the DEC. Stack testing shall not be required if the boiler has not operated more than 168 hours during any annual period (based on the permit anniversary date) during the permit term, unless specifically requested by the DEC pursuant to 6 NYCRR 202-1.1.

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: PART60,APP A, METH 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY