



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 7-5007-00030/00031  
Mod 0 Effective Date: 04/02/2007 Expiration Date: 04/01/2012  
Mod 1 Effective Date: 04/02/2007 Expiration Date: 04/01/2012  
Mod 2 Effective Date: 11/28/2011 Expiration Date: 04/01/2012

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

Contact: PATRICK O MCNALLY  
CORNELL UNIVERSITY ENV HEALTH & SAFETY  
395 PINE TREE RD STE 210  
ITHACA, NY 14850-2820  
(607) 255-2304

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

Description:  
This action incorporates the conditions of a state facility permit into a Title V permit; places a cap on HAP emissions; and revises a BACT permit limit for sulfuric acid mist.

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: JOSEPH M DLUGOLENSKI  
1285 FISHER AVE  
CORTLAND, NY 13045-1090

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
  - Applications for permit renewals, modifications and transfers
  - Applications for Permit Renewals and Modifications
  - Permit modifications, suspensions or revocations by the Department
  - Permit modifications, suspensions or revocations by the Department
  - Permit modifications, suspensions or revocations by the Department
  - Permit Modifications, Suspensions and 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: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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



**Condition 1-1: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 1-1.1:**

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

**Item 1-1.2:**

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

**Item 1-1.3:**

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 2-2: Permit modifications, suspensions or revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.13**

**Item 2-2.1:**

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

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

**Condition 2-1: Permit modifications, suspensions or revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.13**

**Item 2-1.1:**

The Department reserves the right to exercise all available authority 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



the permitted activity.

**Condition 4: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 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.

**Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.14**

**Item 1-2.1:**

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

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

\*\*\*\* Facility Level \*\*\*\*

**Condition 5: Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS**

**Applicable State Requirement: 6 NYCRR 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 E. Main Street

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



Syracuse, NY 13204-2400  
(315) 426-7400

**New York State Department of Environmental Conservation**

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



**Permit Under the Environmental Conservation Law (ECL)**

**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

Mod 0 Permit Effective Date: 04/02/2007

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Mod 1 Permit Effective Date: 04/02/2007

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Mod 2 Permit Effective Date: 11/28/2011

Permit Expiration Date: 04/01/2012



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2-1 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (a) (7): Fees
- 4 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 5 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 6 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 2 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 2-2 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 2-3 6 NYCRR 202-1.1: Required Emissions Tests
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 6 NYCRR 211.3: Visible Emissions Limited
- 21 40 CFR Part 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6 NYCRR 200.7: Compliance Certification
- 24 6 NYCRR Subpart 201-6: Emission Unit Definition
- 25 6 NYCRR 201-6.5 (c) (3): Compliance Certification
- 26 6 NYCRR 201-6.5 (g): Non Applicable requirements
- \*2-4 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-5 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-6 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-7 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-8 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-9 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-10 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-11 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-12 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-13 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-14 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-15 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*2-16 6 NYCRR 201-7.1: Capping Monitoring Condition



- \*2-17 6 NYCRR 201-7.1: Capping Monitoring Condition
- 2-18 6 NYCRR Subpart 202-1: Compliance Certification
- 2-19 6 NYCRR Subpart 202-1: Compliance Certification
- 2-20 6 NYCRR 211.1: Air pollution prohibited
- 27 6 NYCRR 225-1.2 (a): Compliance Certification
- 2-21 6 NYCRR 243-1.6: CAIR Ozone Season NOx
- 2-22 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 2-23 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR  
designated representative
- 2-24 6 NYCRR 243-8.1: General requirements
- 2-25 6 NYCRR 243-8.1: Prohibitions
- 2-26 6 NYCRR 243-8.5: Compliance Certification
- 2-27 40CFR 52.21, Subpart A: Compliance Certification
- 2-28 40CFR 52.21, Subpart A: Compliance Certification
- 2-29 40CFR 52.21, Subpart A: Compliance Certification
- 2-30 40CFR 52.21, Subpart A: Compliance Certification
- 2-31 40CFR 52.21, Subpart A: Compliance Certification
- 2-32 40CFR 52.21, Subpart A: Compliance Certification
- 2-33 40CFR 52.21, Subpart A: Compliance Certification
- 2-34 40CFR 52.21, Subpart A: Compliance Certification
- 2-35 40CFR 52.21, Subpart A: Compliance Certification
- 2-36 40CFR 52.21, Subpart A: Compliance Certification
- 2-37 40CFR 52.21, Subpart A: Compliance Certification
- 2-38 40CFR 52.21, Subpart A: Compliance Certification
- 2-39 40CFR 52.21, Subpart A: Compliance Certification
- 2-40 40CFR 52.21, Subpart A: Compliance Certification
- 2-41 40CFR 52.21, Subpart A: Compliance Certification
- 2-42 40CFR 52.21, Subpart A: Compliance Certification
- 2-43 40CFR 52.21, Subpart A: Compliance Certification
- 2-44 40CFR 52.21, Subpart A: Compliance Certification
- 2-45 40CFR 52.21, Subpart A: Compliance Certification
- 2-46 40CFR 52.21, Subpart A: Compliance Certification
- 2-47 40CFR 52.21, Subpart A: Compliance Certification
- 2-48 40CFR 52.21, Subpart A: Compliance Certification
- 2-49 40CFR 52.21, Subpart A: Compliance Certification
- 2-50 40CFR 52.21, Subpart A: Compliance Certification
- 2-51 40CFR 52.21, Subpart A: Compliance Certification
- 2-52 40CFR 52.21, Subpart A: Compliance Certification
- 2-53 40CFR 52.21, Subpart A: Compliance Certification
- 2-54 40CFR 52.21, Subpart A: Compliance Certification
- 2-55 40CFR 52.21, Subpart A: Compliance Certification
- 2-56 40CFR 52.21, Subpart A: Compliance Certification
- 2-57 40CFR 52.21, Subpart A: Compliance Certification
- 2-58 40CFR 52.21, Subpart A: Compliance Certification
- 2-59 40CFR 52.21, Subpart A: Compliance Certification
- 2-60 40CFR 52.21, Subpart A: Compliance Certification
- 2-61 40CFR 52.21, Subpart A: Compliance Certification
- 2-62 40CFR 52.21, Subpart A: Compliance Certification
- 2-63 40CFR 52.21, Subpart A: Compliance Certification
- 2-64 40CFR 52.21, Subpart A: Compliance Certification
- 2-65 40CFR 52.21, Subpart A: Compliance Certification
- 2-66 40CFR 52.21, Subpart A: Compliance Certification



- 2-67 40CFR 52.21, Subpart A: Compliance Certification
- 2-68 40CFR 52.21, Subpart A: Compliance Certification
- 2-69 40CFR 52.21, Subpart A: Compliance Certification
- 2-70 40CFR 63.6100, Subpart YYYY: Compliance Certification
- 2-71 40CFR 63.6100, Subpart YYYY: Compliance Certification
- 2-72 40CFR 63.6145, Subpart YYYY: Compliance Certification
- 2-73 40CFR 63.6150, Subpart YYYY: Compliance Certification
- 2-74 40CFR 63.6155, Subpart YYYY: Compliance Certification
- 29 40 CFR Part 64: Compliance Certification

**Emission Unit Level**

- 30 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 31 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 2-75 6 NYCRR 201-7.1: Process Permissible Emissions

**EU=1-CHP01**

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

**EU=1-CHP01,Proc=67G**

- 34 6 NYCRR 227-2.4 (b) (1): Compliance Certification
- 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=67O**

- 49 6 NYCRR 225-2.3 (b) (1): Compliance Certification
- 50 6 NYCRR 227-1.2 (a) (1): Compliance Certification
- 51 6 NYCRR 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 6 NYCRR 227-1.2 (a) (4): Compliance Certification
- 71 6 NYCRR 227-2.5 (c): Compliance Certification
- 72 6 NYCRR 257-1.4: Compliance Certification
- 73 6 NYCRR 257-1.4: Compliance Certification

**EU=1-CHP01,EP=00001**

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

**EU=1-CHP02,Proc=B1C**

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

**EU=1-CHP02,Proc=B20**

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

**EU=1-CHP03**

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

**EU=1-CHP06**

- 2-76 6 NYCRR 201-1.4 (a): Compliance Certification
- 2-77 40CFR 60, NSPS Subpart KKKK: Compliance Certification

**EU=1-CHP07**

- \*2-78 6 NYCRR 201-7.1: Capping Monitoring Condition
- 2-79 6 NYCRR 227-1.3 (a): Compliance Certification
- 2-80 40CFR 60.4205(b), NSPS Subpart IIII: Compliance Certification
- 2-81 40CFR 60.4206, NSPS Subpart IIII: Compliance Certification
- 2-82 40CFR 60.4207, NSPS Subpart IIII: Compliance Certification
- 2-83 40CFR 60.4209(a), NSPS Subpart IIII: Compliance Certification
- 2-84 40CFR 60.4211(e), NSPS Subpart IIII: Compliance Certification
- 2-85 40CFR 63.6590(c), Subpart ZZZZ: Compliance Certification



**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 88 ECL 19-0301: Contaminant List
- 2-86 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 89 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 90 6 NYCRR 211.2: Air pollution prohibited
- 2-87 6 NYCRR 211.2: Visible Emissions Limited
- 2-88 6 NYCRR 617.11 (d): Compliance Demonstration

**Emission Unit Level**

**EU=1-CHP02,Proc=B20**

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

NOTE: \* preceding the condition number indicates capping.



**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 - 6 NYCRR 201-1.5**

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

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

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

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

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

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

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR 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 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 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 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 201-6.5 (a) (3)**

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

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

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR 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 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 201-6.5 (g)**

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

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

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

**Item L: Permit Exclusion - ECL 19-0305**

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 04/02/2007 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**

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

**Condition 2-1: Fees**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

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

**Item 2-1.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3: Fees**  
**Effective between the dates of 04/02/2007 and 04/01/2012**

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

**Item 3.1:**

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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:6 NYCRR 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:6 NYCRR 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 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:6 NYCRR 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.

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

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

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



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

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of 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:6 NYCRR 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 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.

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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  
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:6 NYCRR 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:

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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:6 NYCRR 202-2.5**

**Item 8.1:**

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

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

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

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites**  
**Effective between the dates of 04/02/2007 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR Part 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.

**Condition 2-2: Open Fires - Prohibitions**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 2-2.1:**

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

**Item 2-2.2**

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to



allow burning within any village.

- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**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:6 NYCRR 200.7**

**Item 10.1:**

Any person who owns or operates an air contamination source which is equipped with an

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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:6 NYCRR 201-1.7**

**Item 11.1:**

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

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 04/02/2007 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 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:6 NYCRR 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:6 NYCRR 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**

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

**Item 17.1:**

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

(i) dates for achieving the activities, milestones, or compliance required in the schedule of



compliance, and dates when such activities, milestones or compliance were achieved; and

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

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

**Applicable Federal Requirement:6 NYCRR 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 2-3: Required Emissions Tests**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 202-1.1**

**Item 2-3.1:**

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

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

**Applicable Federal Requirement:6 NYCRR 202-1.1**

**Item 19.1:**

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

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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:6 NYCRR 211.3**

**Item 20.1:**

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

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

**Applicable Federal Requirement:40 CFR Part 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

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 23.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 23.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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:6 NYCRR Subpart 201-6**

**Item 24.1(From Mod 2):**

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

Emission Unit: 1-CHP06

Emission Unit Description:

This emission unit consists of two (2) 15 MW stationary combustion turbine/generator sets with gas-fired heat recovery steam generators. Each combined cycle unit shall exhaust to a stack that rises to 180 feet above a reference base elevation of 832 feet msl with an exit diameter of 6 feet. As-built drawings or other documents showing compliance shall be maintained on-site.

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**Item 24.2(From Mod 2):**

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

Emission Unit: 1-CHP07

Emission Unit Description:

This Emission Unit consists of two (2) 1000 kW diesel engine/generator sets. The generators are used for emergency power generation, only.

**Item 24.3(From Mod 0):**

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 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 24.4(From Mod 0):**

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 24.5(From Mod 0):**

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 24.6(From Mod 0):**

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: 6 NYCRR 201-6.5 (c) (3)**

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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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.

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:6 NYCRR 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 2-4: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 2-4.1:**

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

40 CFR 63.5 (a) (1)

**Item 2-4.2:**

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

**Item 2-4.3:**

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

**Item 2-4.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This

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certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 2-4.5:**

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

**Item 2-4.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 2-4.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The owner or operator may not cause or allow the emission of any individual hazardous air pollutant in excess of 9.9 tons per 12 month rolling period (campus-wide total for all sources).

Emissions of each individual HAP, such as benzene, shall be summed, campus-wide. Compliance shall be demonstrated using emission factors approved by the Department.

Parameter Monitored: HAP

Upper Permit Limit: 9.9 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-5: Capping Monitoring Condition**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 2-5.1:**

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

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40 CFR 52.21

**Item 2-5.2:**

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

**Item 2-5.3:**

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

**Item 2-5.4:**

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

**Item 2-5.5:**

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

**Item 2-5.6:**

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

Emission Unit: 1-CHP06  
Process: GDO

Emission Unit: 1-CHP06  
Process: GTO

Regulated Contaminant(s):  
CAS No: 000630-08-0 CARBON MONOXIDE

**Item 2-5.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This emission limit applies to the combustion of ultra low sulfur diesel in either gas turbine while operating with or without the duct burner, when the ambient temperature is less than or equal to zero degrees F.

Emissions of CO from each gas turbine shall not exceed 30

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ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 60, Appendices B and F as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 30 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 30 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission monitor

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 30 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-6: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 2-6.1:**

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

6 NYCRR Subpart 231-2  
40 CFR 52.21

**Item 2-6.2:**

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

**Item 2-6.3:**

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

**Item 2-6.4:**

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

**Item 2-6.5:**

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

**Item 2-6.6:**

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

Emission Unit: 1-CHP06  
Process: GDO

Emission Unit: 1-CHP06  
Process: GTO

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

**Item 2-6.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This emission limit applies to the combustion of ultra low sulfur diesel in each gas turbine, with or without operation of the duct burner, when the ambient temperature is less than or equal to 0 degrees F.

Emissions of NOx from each gas turbine shall not exceed 25 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 75 as described elsewhere in this



permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 25 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 25 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 25 parts per million by volume (dry,  
corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-7: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 2-7.1:**

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

6 NYCRR Subpart 231-2  
40 CFR 52.21

**Item 2-7.2:**

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

**Item 2-7.3:**

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

**Item 2-7.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an

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emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 2-7.5:**

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

**Item 2-7.6:**

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

Emission Unit: 1-CHP06

Emission Unit: 1-CHP07

Regulated Contaminant(s):

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

**Item 2-7.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall not cause or allow combined emissions of oxides of nitrogen from the two stationary gas turbines/heat recovery steam generator sets and the two emergency diesel generators in excess of 39 tons per 12 month rolling period.

Emissions shall be computed as follows:

Tons NO<sub>x</sub> emitted per month = ((pounds NO<sub>x</sub> emitted from gas turbine\duct burner No. 1 in the calendar month) + (pounds NO<sub>x</sub> emitted from gas turbine\duct burner No. 2 in the calendar month)+ (pounds NO<sub>x</sub> emitted from EDG No. 1) + (pounds NO<sub>x</sub> emitted from EDG No. 2))/2000

Where the "pounds of NO<sub>x</sub> emitted from gas turbine No. 1 in the calendar month" is the sum of all hourly NO<sub>x</sub> emissions from gas turbine No. 1 in the month, and "pounds of NO<sub>x</sub> emitted from gas turbine No. 2 in the calendar month" is the sum of all hourly NO<sub>x</sub> emissions from gas turbine No. 2 in the month, both as measured using CEMs and the procedures in 40 CFR Part 75. Each hourly NO<sub>x</sub> mass emission is computed as the product of the NO<sub>x</sub> pounds/mmBtu, measured by the CEMs, and the gross heat input, measured by a fuel flow meter; and



Where the "pounds NOx emitted from EDG No. 1" is the product of an emission factor, in units of pounds of NOx/bhp-hr, the capacity of the engine, in brake horsepower, and the operating hours of EDG No. 1; and

Where the "pounds NOx emitted from EDG No. 2" is the product of an emission factor, in units of pounds of NOx/bhp-hr, and the capacity of the engine, in brake horsepower, and the operating hours of EDG No. 2.

Emissions factors for EDG No 1. and EDG No. 2 shall be derived from manufacturer's data unless engine-specific emissions testing is conducted at the request of the DEC.

Emissions from the combustion turbines shall be determined using continuous emission monitors that satisfy the requirements of 40 CFR Part 75 as described elsewhere in this permit. The bias adjustment factors need not apply for determining compliance with this condition. During periods of missing data due to monitor down time, the missing data procedures of 40 CFR Part 75 shall apply.

On a calendar year basis, the owner or operator shall submit to the DEC a report stating the actual quantity of NOx emitted during each month, and for each 12 month rolling period ending in thatcalendar year reporting period. Additionally, if total combined emissions from the two stationary gas turbines during any 12 month rolling exceed 39 tons, the owner or operator shall notify the DEC of such excess emissions in writing no later than 30 days after such occurrence.

Manufacturer Name/Model Number: Continuous Emission Monitor  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 39 tons per year  
Reference Test Method: 40 CFR Part 75  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 12-month total, rolled monthly  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 12 calendar month(s).

**Condition 2-8: Capping Monitoring Condition**



Effective between the dates of 11/28/2011 and 04/01/2012

Applicable Federal Requirement:6 NYCRR 201-7.1

**Item 2-8.1:**

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

40 CFR 52.21

**Item 2-8.2:**

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

**Item 2-8.3:**

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

**Item 2-8.4:**

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

**Item 2-8.5:**

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

**Item 2-8.6:**

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

Emission Unit: 1-CHP06

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 2-8.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This emission limit applies to the combustion of natural



gas or ultra low sulfur diesel in each gas turbine with or without operation of the duct burner when the ambient temperature exceeds zero degrees F.

Emissions of carbon monoxide from each gas turbine/duct burner installation shall not exceed 10 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 60, Appendices B and F as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 10 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 10 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 10 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-9: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 2-9.1:**

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

6 NYCRR Subpart 231-2  
40 CFR 52.21

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**Item 2-9.2:**

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

**Item 2-9.3:**

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

**Item 2-9.4:**

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

**Item 2-9.5:**

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

**Item 2-9.6:**

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

Emission Unit: 1-CHP06

Emission Unit: 1-CHP07

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

**Item 2-9.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator shall not cause or allow combined emissions of volatile organic compounds from the two stationary gas turbines/heat recovery steam generator sets and the two emergency diesel generator sets in excess of 39 tons per 12 month rolling period.

Compliance with this limit shall be determined by computing emissions for each device and summing emissions over each 12 month annual period. Emissions from each gas turbine shall be computed as the product of the heat input to the gas turbine/duct burner train and an emissions



factor determined through stack emissions testing. Emissions from each emergency diesel generator shall be computed as the product of an emission factor (in pounds per bhp-hr), the capacity and the operating hours of the engines.

For each gas turbine/heat recovery steam generator train, the monthly VOC emissions are computed as the sum of the hourly VOC emissions in that period. For each gas turbine/heat recovery steam generator train, the hourly VOC emissions are computed as:

$$\text{Pounds of VOC emitted} = (\text{VOCGTG}) * (\text{HIGTG}) + (\text{VOCGDG}) * (\text{HIGDG}) + (\text{VOCGTO}) * (\text{HIGTO}) + (\text{VOCGDO}) * (\text{HIGDO})$$

where:

VOCGTG is the lb VOC/mmBtu when firing natural gas in the gas turbine but not the duct burner;

HIGTG is the heat input from natural gas combustion in the gas turbine when not firing the duct burner;

VOCGDG is the lb VOC/mmBtu when firing natural gas in both the gas turbine and the duct burner;

HIGDG is the heat input from natural gas firing in the gas turbine and the duct burner when operated at simultaneously;

VOCGTO is the lb VOC/mmBtu when firing ultra low sulfur diesel in the gas turbine but not the duct burner;

HIGTO is the heat input from ultra low sulfur diesel in the gas turbine when not firing the duct burner;

VOCGDO is the lb VOC/mmBtu when firing ultra low sulfur diesel in the gas turbine and natural gas in the duct burner;

HIGDO is the heat input from ultra low sulfur diesel in the gas turbine and natural gas in the duct burner when operated at simultaneously.

For each emergency diesel generator the monthly VOC emissions shall be computed as:

$$\text{Pounds of VOC emitted} = (\text{VOC Factor}) * (\text{capacity}) * (\text{operating hours of the emergency diesel generator})$$



Where

(VOC Factor) = pounds VOC per bhp-hr, and

Capacity = the maximum rated capacity of each engine in brake horsepower.

The emissions factors for the combustion turbines shall be derived from stack emissions testing conducted in accordance with 6 NYCRR 202-1 and a protocol approved by the DEC. If multiple tests have been conducted, the emissions factors shall be based on the most recent tests upon written approval from the DEC. In the absence of test data, emissions factors shall be based on manufacturer's data.

Emission factors for the emergency diesel generators shall be derived from manufacturer's data unless engine-specific emissions testing is conducted at the request of the DEC.

On a calendar year basis, the owner or operator shall submit to the DEC a report stating the actual quantity of VOC emitted during each month, and for each 12 month rolling period ending in that calendar year reporting period. Additionally, if total combined emissions from the two stationary gas turbines during any 12 month rolling exceed 39 tons, the owner or operator shall notify the DEC of such excess emissions in writing no later than 30 days after such occurrence.

Parameter Monitored: VOC  
Upper Permit Limit: 39 tons per year  
Reference Test Method: EPA Method 320 or alternative approved by the DEC  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 12-month total, rolled monthly  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 12 calendar month(s).

**Condition 2-10: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 2-10.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the

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purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 231-2  
40 CFR 52.21

**Item 2-10.2:**

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

**Item 2-10.3:**

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

**Item 2-10.4:**

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

**Item 2-10.5:**

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

**Item 2-10.6:**

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

Emission Unit: 1-CHP06  
Process: GDO

Emission Unit: 1-CHP06  
Process: GTO

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

**Item 2-10.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This emission limit applies to the combustion of ultra low sulfur diesel in each gas turbine, with or without



operation of the duct burner, when the ambient temperature exceeds 0 degrees F.

Emissions of NO<sub>x</sub> from each gas turbine shall not exceed 9.0 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 75 as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 9.0 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 9.0 ppm<sub>dv</sub>, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-11: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 2-11.1:**

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

40 CFR 52.21

**Item 2-11.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission

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limits, terms, conditions and standards in this permit.

**Item 2-11.3:**

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

**Item 2-11.4:**

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

**Item 2-11.5:**

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

**Item 2-11.6:**

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

Emission Unit: 1-CHP06

Emission Unit: 1-CHP07

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 2-11.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The sulfur content of the ultra low sulfur diesel oil combusted in the gas turbines and EDGs shall not exceed 0.0015% by weight (15 ppm).

Compliance shall be determined through vendor certifications or, at the DEC's discretion, fuel analyses.

The owner or operator shall maintain copies of vendor certifications for each lot delivery. The owner or operator shall conduct fuel analyses upon written request from the DEC or the EPA.

Parameter Monitored: SULFUR CONTENT

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Upper Permit Limit: 0.0015 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: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 2-12: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 2-12.1:**

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

6 NYCRR Subpart 231-2  
40 CFR 52.21

**Item 2-12.2:**

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

**Item 2-12.3:**

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

**Item 2-12.4:**

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

**Item 2-12.5:**

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

**Item 2-12.6:**

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

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Emission Unit: 1-CHP06  
Process: GDG

Emission Unit: 1-CHP06  
Process: GTG

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

**Item 2-12.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This emission limit applies to the combustion of natural gas in each gas turbine, with or without operation of the duct burner, when the ambient temperatures less than or equal to 0 degrees F.

Emissions of NO<sub>x</sub> from each gas turbine shall not exceed 15 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 75 as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 15 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 15 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 15 parts per million by volume (dry,  
corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.



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

**Condition 2-13: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 2-13.1:**

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

40 CFR 52.21

**Item 2-13.2:**

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

**Item 2-13.3:**

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

**Item 2-13.4:**

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

**Item 2-13.5:**

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

**Item 2-13.6:**

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

Emission Unit: 1-CHP06

Emission Unit: 1-CHP07

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 2-13.7:**

Compliance Certification shall include the following monitoring:

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Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The owner or operator shall not cause or allow combined emissions of carbon monoxide from the two stationary gas turbines/heat recovery steam generator sets and the two emergency diesel generators in excess of 99 tons per 12 month rolling period.

Emissions shall be computed as follows:

Tons of CO emitted per month = ((pounds CO emitted from gas turbine No. 1 in the calendar month) + (pounds CO emitted from gas turbine No. 2 in the calendar month) + (pounds CO emitted from EDG No. 1) + (pounds CO emitted from EDG No. 2))/2000

Where the "pounds of CO emitted from gas turbine No. 1 in the calendar month" is the sum of all hourly CO emissions from gas turbine No. 1 in the month, and "pounds of CO emitted from gas turbine No. 2 in the calendar month" is the sum of all hourly CO emissions from gas turbine No. 2 in the month, both as measured using CEMs and the data substitution procedures in 40 CFR Part 75 as referred to below. Each hourly CO mass emission is computed as the product of the CO pounds/mmBtu, measured by the CEMs, and the gross heat input, measured by a fuel flow meter; and

Where the "pounds CO emitted from EDG No. 1" is the product of an emission factor, in units of pounds of CO/bhp-hr, the capacity of the engine, in brake horsepower, and the operating hours of EDG No. 1; and

Where the "pounds CO emitted from EDG No. 2" is the product of an emission factor, in units of pounds of CO/bhp-hr, the capacity of the engine, in brake horsepower, and the operating hours of EDG No. 2.

Emissions factors for EDG No. 1. and EDG No. 2 shall be derived from manufacturer's data unless engine-specific emissions testing is conducted at the request of the DEC.

CO Emissions from the combustion turbines shall be determined using continuous emission monitors that satisfy the requirements of 40 CFR Part 60, Appendices B and F, except as follows: during periods of missing data due to monitor down time, the missing data procedures of 40 CFR



Part 75, Subpart D, Table 1 shall apply.

On a calendar year basis, the owner or operator shall submit to the DEC a report stating the actual quantity of CO emitted during each month, and for each 12 month rolling period ending in that calendar year reporting period. Additionally, if total combined emissions from the two stationary gas turbines and two EDGs during any 12 month rolling exceed 99 tons, the owner or operator shall notify the DEC of such excess emissions in writing no later than 30 days after such occurrence.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 99 tons per year

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-14: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 2-14.1:**

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

40 CFR 63.5 (a) (1)

**Item 2-14.2:**

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

**Item 2-14.3:**

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

**Item 2-14.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an

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emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 2-14.5:**

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

**Item 2-14.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 2-14.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE  
Monitoring Description:  
Emissions of all hazardous air pollutants, in aggregate,  
from the Cornell University Main Campus shall not exceed  
24.9 tons per year, 12 month rolling average. Compliance  
shall be determined using emission factors approved by the  
Department.

Parameter Monitored: HAP  
Upper Permit Limit: 24.9 tons per year  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 2-15: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 2-15.1:**

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

40 CFR 52.21

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**Item 2-15.2:**

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

**Item 2-15.3:**

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

**Item 2-15.4:**

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

**Item 2-15.5:**

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

**Item 2-15.6:**

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

Emission Unit: 1-CHP06

Process: GDG

Emission Unit: 1-CHP06

Process: GTG

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 2-15.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This emission limit applies to the combustion of natural gas in either gas turbine, with or without operation of the duct burner, when the ambient temperature is less than or equal to zero degrees F.

Emissions of CO from each gas turbine shall not exceed 20 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit

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shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 60 Appendices B and F as described elsewhere in this permit.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 20 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 20 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 20 parts per million by volume (dry, corrected to 15% O<sub>2</sub>)

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-16: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 2-16.1:**

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

6 NYCRR Subpart 231-2  
40 CFR 52.21

**Item 2-16.2:**

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

**Item 2-16.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request.

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Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 2-16.4:**

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

**Item 2-16.5:**

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

**Item 2-16.6:**

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

Emission Unit: 1-CHP06  
Process: GDG

Emission Unit: 1-CHP06  
Process: GTG

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

**Item 2-16.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This emission limit applies to the combustion of natural gas in each gas turbine, with or without operation of the duct burner, when the ambient temperature exceeds 0 degrees F.

Emissions of NO<sub>x</sub> from each gas turbine shall not exceed 2.5 ppm by volume on a block hour average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using continuous emission monitors that satisfy the requirement of 40 CFR Part 75 as described elsewhere in this permit.

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On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of hourly emissions in excess of 2.5 ppm, corrected to 15% oxygen; the average value of the emission; the cause of the excess emission; and the corrective action taken. Periods of emissions in excess of 2.5 ppmdv, corrected to 15% oxygen, that occur during startup or shutdown shall be included in this report.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.5 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-17: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 6 NYCRR 201-7.1**

**Item 2-17.1:**

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

6 NYCRR Subpart 231-2  
40 CFR 52.21

**Item 2-17.2:**

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

**Item 2-17.3:**

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

**Item 2-17.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This

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certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 2-17.5:**

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

**Item 2-17.6:**

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

Emission Unit: 1-CHP06

Regulated Contaminant(s):

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

**Item 2-17.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Combined fuel oil combustion in gas turbines 1 and 2 is limited to no more than 2,086,000 gallons per 12 month rolling period. Compliance shall be demonstrated through fuel use records.

Fuel oil use shall be monitored using a fuel flow meter.

On a semiannual basis, the owner or operator shall submit to the DEC a report stating whether fuel oil use was monitored. Additionally, if, during any 12 month rolling period the fuel use exceeds 2,086,000 gallons, the owner or operator shall submit to the DEC a written notice no later than 30 days after such occurrence.

Parameter Monitored: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Upper Permit Limit: 2086000 gallons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-18: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**



**Applicable Federal Requirement:6 NYCRR Subpart 202-1**

**Item 2-18.1:**

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

Emission Unit: 1-CHP06

**Item 2-18.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to each NO<sub>x</sub> continuous emission monitoring system installed at Cornell's Combined Heat and Power Project, including each associated diluent CEM.

1. Not less than 90 days after the effective date of this permit, the owner or operator must submit to the DEC a modification to the plan to monitor emissions of NO<sub>x</sub> (the "NO<sub>x</sub> Monitoring Plan").
2. The NO<sub>x</sub> Monitoring Plan must provide for daily, quarterly and annual quality assurance procedures. These procedures shall meet the procedures in 40 CFR Part 75, Appendices A and B, and be compliant with 6 NYCRR Part 243, as applicable.

For the low range NO<sub>x</sub> CEM, the owner or operator must modify the NO<sub>x</sub> Monitoring Plan to include a requirement to conduct quarterly cylinder gas audits, Relative Accuracy Audits or Relative Accuracy Test Audits. The gas ranges of the NO<sub>x</sub> cylinder gases used in the cylinder gas audits must be approved by the DEC.

The acceptance criteria for the CGA is that required by 40 CFR Part 60, Appendix B.

3. The owner or operator shall comply with the initial monitor certification provisions of 6 NYCRR 243.
4. On a calendar quarter basis, the owner or operator shall submit to the DEC a report of excess emissions. Such report shall include: a list of all periods of excess emissions, including those periods that occur during startup or shutdown; for each period of excess emission, the cause of the excess emission, the duration, the average magnitude of the excess emission and the action taken to bring the emission into compliance; a summary of the CEM down time, including the cause of the



down time and, if applicable, the corrective action taken; and the results of any and all quarterly and annual quality assurance procedures (CGAs, RAAs, and RATAs). The quarterly reports are due no later than 30 days after the end of the quarter.

5. The owner or operator shall maintain a file of all measurements, daily calibrations, quarterly and annual quality assurance activities, and repairs and maintenance made to the system. These records must be maintained for a period of three years from the date of occurrence.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-19: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR Subpart 202-1**

**Item 2-19.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-19.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to each carbon monoxide and ammonia monitors installed at Cornell's Combined Heat and Power Project.

1. Not less than 90 days prior to the installation of a CEM system, the owner or operator must submit to the DEC a plan to monitor emissions (the "CO and Ammonia Monitoring Plan").

2. The CO and Ammonia Monitoring Plan must provide for daily, quarterly and annual quality assurance procedures. These procedures shall meet the procedures in 40 CFR Part 60, Appendices B and F for both CO and ammonia, or alternative procedures approved by the DEC. The quality assurance procedures shall provide for a daily zero and upscale calibration check; quarterly Cylinder Gas Audits (or equivalent, such as a Relative Accuracy Audit, as



approved by the DEC), and an annual Relative Accuracy Test Audit. If a CEM system includes a dual range analyzer, quality assurance procedures must be conducted on both ranges except if a range was not used that quarter, a Cylinder Gas Audit is not required on that range.

3. The CO and Ammonia Monitoring Plan should address routine maintenance and repairs, and include a spare parts list.
4. Not less than 60 days prior to testing, the owner or operator shall submit to the DEC a CEM Performance Test Protocol. Testing may not begin until the protocol is approved by the DEC.
5. Testing shall be conducted no later than 180 days after initial startup of the stationary gas turbines.
6. The owner or operator shall submit to the DEC a CEM certification test report no later than 30 days after completion of the performance tests.
7. Within 90 days of submission of the CEM certification test report, the owner or operator shall submit to the DEC a CEM Quality Assurance Plan.
8. On a calendar quarter basis, the owner or operator shall submit to the DEC a report of excess emissions. Such report shall include: a list of all periods of excess emissions, including those periods that occur during startup or shutdown; for each period of excess emission, the cause of the excess emission, the duration, the average magnitude of the excess emission and the action taken to bring the emission into compliance; a summary of the CEM down time, including the cause of the down time and, if applicable, the corrective action taken; and the results of any and all quarterly and annual quality assurance procedures (CGAs, RAAs, and RATAs). The quarterly reports are due no later than 30 days after the end of the quarter.
9. The owner or operator shall maintain a file of all measurements, daily calibrations, quarterly and annual quality assurance activities, and repairs and maintenance made to the system. These records must be maintained for a period of three years from the date of occurrence.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.

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The initial report is due 1/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 2-20: Air pollution prohibited**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 2-20.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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

**Applicable Federal Requirement:6 NYCRR 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)

Reports due 30 days after the reporting period.

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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



The initial report is due 1/30/2008.  
Subsequent reports are due every 12 calendar month(s).

**Condition 2-21: CAIR Ozone Season NO<sub>x</sub>**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 243-1.6**

**Item 2-21.1:**

This Condition applies to:

Emission Unit: 1CHP06

**Item 2-21.2:**

§243-1.6 Standard requirements

1. Pursuant to 6 NYCRR 243-1.6(c)(1), as of the allowance transfer deadline for a control period, the owners and operators shall hold, in the CAIR NO<sub>x</sub> Ozone Season source's compliance account, CAIR NO<sub>x</sub> Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO<sub>x</sub> Ozone Season units at the source, as determined in accordance with Subpart 243-8.
2. Pursuant to 6 NYCRR 243-1.6(c)(3) and 243-6.5, a CAIR NO<sub>x</sub> Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> Ozone Season allowance was allocated, and only if the CAIR NO<sub>x</sub> Ozone Season allowances are held in the compliance account as of the allowance transfer deadline for the control period or are transferred into the compliance account by a CAIR NO<sub>x</sub> Ozone Season allowance transfer correctly submitted for recordation under 6 NYCRR 243-7.1 and 6 NYCRR 243-7.2 by the allowance transfer deadline for the control period.
3. The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NO<sub>x</sub> Ozone Season source with the CAIR NO<sub>x</sub> Ozone Season emissions limitation under subdivision (c) of this section.
4. Pursuant to 6 NYCRR 243-1.6(d), if a CAIR NO<sub>x</sub> Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> Ozone Season emissions limitation, then:
  - (i) the owners and operators of the source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall surrender the CAIR NO<sub>x</sub> Ozone Season allowances required for deduction under 6 NYCRR 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and
  - (2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

**Condition 2-22: Recordkeeping and reporting requirements**  
**Effective between the dates of 11/28/2011 and 04/01/2012**



**Applicable Federal Requirement:6 NYCRR 243-1.6 (e)**

**Item 2-22.1:**

This Condition applies to:

Emission Unit: 1CHP06

**Item 2-22.2:**

Unless otherwise provided, the owners and operators of the CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator.

(i) The certificate of representation under section 243-2.4 for the CAIR designated representative for the source and each CAIR NOx Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under section 243-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with Subpart 243-8, provided that to the extent that Subpart 243-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Ozone Season Trading Program.

**Condition 2-23: Authorization and responsibilities of CAIR designated representative  
Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 243-2.1**

**Item 2-23.1:**

This Condition applies to:

Emission Unit: 1CHP06

**Item 2-23.2:**

Except as provided under section 243-2.2, each CAIR NOx Ozone Season source, including all CAIR NOx Ozone Season units at the source, shall have one and only one CAIR designated representative, with regard to all matters under the CAIR NOx Ozone Season Trading Program concerning the source or any CAIR NOx Ozone Season unit at the source.

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The CAIR designated representative of the CAIR NO<sub>x</sub> Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NO<sub>x</sub> Ozone Season units at the source and shall act in accordance with the certification statement in section 243-2.4(a)(4)(iv).

Upon receipt by the Administrator of a complete certificate of representation under section 243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NO<sub>x</sub> Ozone Season source represented and each CAIR NO<sub>x</sub> Ozone Season unit at the source in all matters pertaining to the CAIR NO<sub>x</sub> Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

No CAIR permit will be issued, no emissions data reports will be accepted, and no CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System account will be established for a CAIR NO<sub>x</sub> Ozone Season unit at a source, until the Administrator has received a complete certificate of representation under section 243-2.4 for a CAIR designated representative of the source and the CAIR NO<sub>x</sub> Ozone Season units at the source.

Each submission under the CAIR NO<sub>x</sub> Ozone Season Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NO<sub>x</sub> Ozone Season source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

**Condition 2-24: General requirements**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 2-24.1:**

This Condition applies to:

Emission Unit: 1CHP06

**Item 2-24.2:**

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NO<sub>x</sub> Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR



NOx Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NOx Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NOx Ozone Season unit.

'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR NOx Ozone Season unit shall:

- (1) install all monitoring systems required under this Subpart for monitoring NOx mass emissions and individual unit heat input (including all systems required to monitor NOx emission rate, NOx concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);
- (2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraph 243-8.1(a)(1); and
- (3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

**Condition 2-25: Prohibitions**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 243-8.1**

**Item 2-25.1:**

This Condition applies to:

Emission Unit: 1CHP06

**Item 2-25.2:**

No owner or operator of a CAIR NOx Ozone Season unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

No owner or operator of a CAIR NOx Ozone Season unit shall operate the unit so as to discharge, or allow to be discharged, NOx emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NOx Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NOx Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other



approved monitoring system under this Subpart, except under any one of the following circumstances:

- (i) during the period that the unit is covered by an exemption under section 243-1.5 that is in effect;
- (ii) the owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the department for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
- (iii) the CAIR designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with section 243-8.2(d)(3)(i).

**Condition 2-26: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 6 NYCRR 243-8.5**

**Item 2-26.1:**

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

Emission Unit: 1-CHP06

**Item 2-26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The CAIR designated representative shall comply with all recordkeeping and reporting requirements in this section, the applicable recordkeeping and reporting requirements under 40 CFR 75.73, and the requirements of section 243-2.1(e)(1) of this Part.
2. Quarterly reports. The CAIR designated representative shall submit quarterly reports in an electronic quarterly report in a format prescribed by the administrator.
3. The CAIR designated representative shall submit each quarterly report to the administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).
4. Compliance certification. The CAIR designated representative shall submit to the administrator a compliance certification (in a format prescribed by the administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:
  - (1) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality

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assurance procedures and specifications; and  
(2) for a unit with add-on NOx emission controls and for all hours where NOx data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR part 75 and the substitute data values do not systematically underestimate NOx emissions.

Monitoring Frequency: CONTINUOUS  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 2-27: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-27.1:**

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

Emission Unit: 1-CHP07

**Item 2-27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each emergency diesel generator shall exhaust to a stack that rises to 91 feet above a reference grade of 832 feet mean sea level with an exit diameter of 7 inches.  
Compliance shall be demonstrated using records maintained on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-28: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-28.1:**

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

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Emission Unit: 1-CHP07

**Item 2-28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Cornell shall submit a written report of all excess emissions for each emergency diesel generator to EPA semiannually. For the purposes of this requirement, excess emissions includes fuel consumption rates above the specified levels, as well as exceedances of limits on hours of operation, as calculated for the specified averaging times. All reports shall be post-marked the 30th day following the end of each six-month reporting period, and shall include:

- 1) the nature and cause of any malfunction (if known) and the corrective action taken or preventive measures adopted.
- 2) the date and time identifying each period during which the applicable continuous monitoring system was inoperative except for zero and span checks and the nature of the system repair or adjustments.
- 3) the magnitude of excess emissions, and the date and time of commencement and completion of each time period of excess emissions.

When no excess emissions have occurred or the applicable monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

The semiannual report shall be submitted to:  
Chief, Air Compliance Branch  
USEPA - Region 2  
290 Broadway - 21st Floor  
New York, New York 10007-1866

Copies of the semiannual report shall also be submitted to:  
Chief, Air Programs Branch - Permitting Section  
USEPA - Region 2  
290 Broadway - 25th floor  
New York, New York 10007-1866

Region 2 CEM Coordinator  
USEPA - Region 2  
Monitoring and Assessment Branch - Air and Water Q/A

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Team  
2890 Woodbridge Avenue - MS-220  
Edison, NJ 08837-3679

Regional Air Pollution Control Engineer  
NYSDEC Region 7  
615 Erie Boulevard West  
Syracuse, NY 13204-2400

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-29: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-29.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP07

**Item 2-29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BACT for sulfuric acid mist - Each emergency diesel generator shall always be operated in accordance with the manufacturer's specified combustion parameters, and shall fire only ultra low sulfur diesel.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-30: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-30.1:**

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: 1-CHP07

**Item 2-30.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The maximum design capacity of each emergency diesel generator (EDG) shall be 1000 kW. Each EDG shall fire only ultra low sulfur diesel, and shall be limited to a maximum fuel consumption rate of 72 gph. Compliance shall be demonstrated using records maintained on-site by the facility. Fuel consumption rates are based on 24-hour block averages.

Parameter Monitored: FUEL CONSUMPTION

Upper Permit Limit: 72 gallons per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-31: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-31.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GDO

**Item 2-31.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity of emissions from each gas turbine are limited to 20% when firing ultra low sulfur diesel with supplemental duct burner firing, except for one period of not more than six (6) minutes in any sixty (60) minute interval when the opacity shall not exceed 27%. Compliance shall be demonstrated by stack testing performed at the request of the Department.

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Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 2-32: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-32.1:**

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

Emission Unit: 1-CHP06  
Process: GTG

**Item 2-32.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity of emissions from each gas turbine are limited to 10% when firing natural gas. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY  
Upper Permit Limit: 10 percent  
Reference Test Method: EPA Method 9  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 2-33: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-33.1:**

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

Emission Unit: 1-CHP06  
Process: GDG

**Item 2-33.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity of emissions from each gas turbine are limited to 10% when firing natural gas with supplemental duct burner firing. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-34: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-34.1:**

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

Emission Unit: 1-CHP07

**Item 2-34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Logs shall be kept and updated periodically as specified to record the following:

- 1) the gallons of ultra low sulfur diesel fired on a daily basis for each emergency diesel generator,
- 2) the hours of operation for each emergency diesel generator,

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3) the sulfur content of all fuel oil burned, as represented by the fuel vendor certifications,

4) any non-automated adjustments and maintenance performed on monitoring systems,

5) all calculations (including, but not limited to rolling averages) and information related to emission determinations.

All monitoring records, fuel sampling test results, calibration test results and logs must be maintained for a period of 5 years after the date of record and made available upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-35: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-35.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP07

**Item 2-35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Both EDGs may operate concurrently with the combustion turbines if either of the following conditions are met:

1) the normal utility power is not available or grid electrical supply is otherwise restricted, subject to the limits on hours stated in this permit, or

2) non-emergency operation solely for maintenance checks and readiness testing shall be limited to less than 100 hours in each 12-month rolling period for each EDG, and shall be included with the limits on hours stated elsewhere in this permit.

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Compliance shall be demonstrated using records maintained on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-36: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-36.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GDO

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 2-36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM10 emissions from each gas turbine are limited to 0.031 lb/MMBTU when firing ultra low sulfur diesel with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 0.034 lb/MMBTU. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.031 pounds per million Btus

Reference Test Method: EPA Methods 201 or 201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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



**Condition 2-37: Compliance Certification**  
Effective between the dates of 11/28/2011 and 04/01/2012

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-37.1:**

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

Emission Unit: 1-CHP07

**Item 2-37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BACT for PM, PM10 and PM2.5 - Each emergency diesel generator shall always be operated in accordance with the manufacturer's specified combustion parameters, and shall fire only ultra low sulfur diesel.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-38: Compliance Certification**  
Effective between the dates of 11/28/2011 and 04/01/2012

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-38.1:**

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

Emission Unit: 1-CHP07

**Item 2-38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions of particulate matter (including PM10 and PM2.5), sulfuric acid mist or opacity above any allowable emission limit stated in this permit and any corrective actions and/or preventive measures taken on any unit must be included in the semiannual CCHPP PSD excess emissions report and also

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reported by telephone within two business days to:

Air Compliance Branch, Division of Enforcement and  
Compliance Assistance  
USEPA - Region 2  
290 Broadway - 21st Floor  
New York, New York 10007-1866  
(212) 637-3000

If any failure results in a release of emissions of a hazardous air pollutant(s) that continues for more than an hour in excess of any applicable limit, or in a release of any other regulated pollutant that continues for more than two hours in excess of any applicable limit, the EPA must be notified within 24 hours. This information must also be included in the semiannual CCHPP excess emissions report.

In addition, The USEPA Air Compliance Branch shall be notified in writing within 15 days of any such failure referenced above. This notification shall include a description of the malfunctioning equipment or abnormal operation; the date of initial failure; the period of time over which emissions were increased due to the failure; the cause of the failure; the estimated resultant emissions in excess of those allowed under this permit; and the methods utilized to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction shall cause.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-39: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-39.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GTO

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**Item 2-39.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity of emissions from each gas turbine are limited to 20% when firing ultra low sulfur diesel, except for one period of not more than six (6) minutes in any sixty (60) minute interval when the opacity shall not exceed 27%. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-40: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-40.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each combined cycle unit, consisting of a combustion turbine and a heat recovery steam generator with a duct burner, shall exhaust to a stack that rises to 180 feet above a reference grade of 832 feet MSL with an exit diameter of 6 feet.

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 1/30/2012.

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



**Condition 2-41: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-41.1:**

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

Emission Unit: 1-CHP06  
Process: GDG

Regulated Contaminant(s):  
CAS No: 007664-93-9 SULFURIC ACID

**Item 2-41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

H<sub>2</sub>SO<sub>4</sub> emissions from each gas turbine are limited to 1.4 lbs/hr when firing natural gas with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 1.5 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 1.4 pounds per hour

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-42: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-42.1:**

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

Emission Unit: 1-CHP06

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Process: GDO

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

**Item 2-42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

H2SO4 emissions from each gas turbine are limited to 0.93 lbs/hr when firing ultra low sulfur diesel with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 0.94 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.93 pounds per hour

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-43: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-43.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GTG

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

**Item 2-43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

H2SO4 emissions from each gas turbine are limited to 0.24

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lbs/hr when firing natural gas, except when the ambient air temperature is less than 0 deg F at which time the limit is 0.25 lb/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.24 pounds per hour

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-44: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-44.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP07

**Item 2-44.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity of emissions from each EDG are limited to 20% except for one period of not more than six (6) minutes in any sixty (60) minute interval when the opacity shall not exceed 27%. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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



**Condition 2-45: Compliance Certification**  
Effective between the dates of 11/28/2011 and 04/01/2012

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-45.1:**

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

Emission Unit: 1-CHP06  
Process: GDO

Regulated Contaminant(s):  
CAS No: 0NY075-00-5 PM-10

**Item 2-45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM10 emissions from each gas turbine are limited to 8.3 lbs/hr when firing ultra low sulfur diesel with supplemental duct burner firing, except when the ambient air temperature is less than 0 deg F at which time the limit is 8.6 lb/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 8.3 pounds per hour

Reference Test Method: EPA Methods 201 or 201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-46: Compliance Certification**  
Effective between the dates of 11/28/2011 and 04/01/2012

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-46.1:**

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

Emission Unit: 1-CHP06

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Process: GTO

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 2-46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM10 emissions from each gas turbine are limited to 6.3 lbs/hr when firing ultra low sulfur diesel, except when the ambient temperature is less than 0 deg F at which time the limit is 6.5 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 6.3 pounds per hour

Reference Test Method: EPA 201 or 201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-47: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-47.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP07

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 2-47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM/PM10/PM2.5 emissions from each emergency diesel generator shall not exceed 0.19 lbs/hr. These limits apply at all times, including startup and shutdown.

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Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.19 pounds per hour  
Reference Test Method: EPA Methods 201A and 202  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 2-48: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Item 2-48.1:**

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

Emission Unit: 1-CHP06  
Process: GDO

Regulated Contaminant(s):  
CAS No: 007664-93-9      SULFURIC ACID

**Item 2-48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

H<sub>2</sub>SO<sub>4</sub> emissions from each gas turbine are limited to 0.005 lbs/MMBTU when firing ultra low sulfur diesel with supplemental duct burner firing. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.005 pounds per million Btus  
Reference Test Method: EPA Method 8  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.

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

**Condition 2-49: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-49.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GTG

Regulated Contaminant(s):

CAS No: 007664-93-9      SULFURIC ACID

**Item 2-49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

H2SO4 emissions from each gas turbine are limited to 0.001 lb/MMBTU when firing natural gas. These limits apply at all times, including startup and shutdown.

During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.001 pounds per million Btus

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-50: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-50.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GTO

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Regulated Contaminant(s):  
CAS No: 007664-93-9      SULFURIC ACID

**Item 2-50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

H2SO4 emissions from each gas turbine are limited to 0.25 lbs/hr when firing ultra low sulfur diesel, except when the ambient air temperature is less than 0 deg F at which time the limit is 0.26 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.25 pounds per hour

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-51: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-51.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06  
Process: GTO

Regulated Contaminant(s):  
CAS No: 007664-93-9      SULFURIC ACID

**Item 2-51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

H2SO4 emissions from each gas turbine are limited to 0.002 lbs/mmBtu when firing ultra low sulfur diesel.

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These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.002 pounds per million Btus

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-52: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-52.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GDG

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

**Item 2-52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

H2SO4 emissions from each gas turbine are limited to 0.005 lb/MMBTU when firing natural gas with supplemental duct burner firing. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.005 pounds per million Btus

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 2-53: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-53.1:**

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

Emission Unit: 1-CHP07

Regulated Contaminant(s):  
CAS No: 007664-93-9      SULFURIC ACID

**Item 2-53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

H<sub>2</sub>SO<sub>4</sub> emissions from each emergency diesel generator shall not exceed 0.0023 lbs/hr. These limits apply at all times, including startup and shutdown. Compliance shall be demonstrated by fuel sulfur analysis performed at the request of the Department, in conjunction with the maximum fuel firing rate and the assumption that 10 percent of the sulfur in the fuel converts to H<sub>2</sub>SO<sub>4</sub>.

Upper Permit Limit: 0.0023 pounds per hour

Reference Test Method: EPA Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-54: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-54.1:**

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

Emission Unit: 1-CHP06

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Facility DEC ID: 7500700030



Process: GTO

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 2-54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM10 emissions from each gas turbine are limited to 0.040 lb/mmBtu when firing ultra low sulfur diesel. These limits apply at all times, including startup and shutdown.

During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.040 pounds per million Btus

Reference Test Method: EPA 201 or 201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-55: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-55.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GDG

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 2-55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM10 emissions from each gas turbine are limited to 6.5 lbs/hr when firing natural gas with supplemental duct burner firing, except when the ambient air temperature is

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less than 0 deg F at which time the limit is 6.7 lb/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 6.5 pounds per hour
Reference Test Method: EPA Methods 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 2-56: Compliance Certification
Effective between the dates of 11/28/2011 and 04/01/2012

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 2-56.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 1-CHP06
Process: GTG

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 2-56.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions from each gas turbine are limited to 3.9 lbs/hr when firing natural gas, except when the ambient air temperature is less than 0 degree F at which time the limit is 4.1 lbs/hr. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 3.9 pounds per hour
Reference Test Method: EPA 201 or 201A and 202
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

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**METHOD INDICATED**

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-57: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-57.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GTG

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

**Item 2-57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM10 emissions from each gas turbine are limited to 0.023 lb/MMBTU when firing natural gas. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.023 pounds per million Btus

Reference Test Method: EPA Methods 201 or 201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-58: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-58.1:**

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: 1-CHP06  
Process: GDG

Regulated Contaminant(s):  
CAS No: ONY075-00-5 PM-10

**Item 2-58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM10 emissions from each gas turbine are limited to 0.022 lb/MMBTU when firing natural gas with supplemental duct burner firing, except when the ambient air temperature is less than 0 degree F at which time the limit is 0.023 lb/MMBTU. These limits apply at all times, including startup and shutdown. During fuel switching, emissions shall not exceed the higher of the applicable limits for each fuel. Compliance shall be demonstrated by stack testing performed at the request of the Department.

Upper Permit Limit: 0.022 pounds per million Btus

Reference Test Method: EPA Methods 201 or 201A and 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-59: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-59.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BACT for sulfuric acid mist - Each Solar Titan 130 combustion turbine shall fire only pipeline grade natural



gas or ultra low sulfur diesel, and shall continuously operate in accordance with its specified design combustion parameters. Each duct burner shall fire only pipeline grade natural gas, and shall be operated in accordance with the manufacturer's specified combustion parameters. Compliance shall be demonstrated using records maintained on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-60: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-60.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BACT for PM, PM10 and PM2.5 - each Solar Titan 130 combustion turbine shall fire only pipeline grade natural gas or ultra low sulfur diesel and shall continuously operate in accordance with its specified design combustion parameters. This includes continuously operating all control devices in a manner consistent with good air pollution control practice for minimizing emissions. Each duct burner shall fire only pipeline grade natural gas, and shall be operated in accordance with the manufacturer's specified combustion parameters. In addition, Cornell shall:

- 1) install and maintain air inlet filters
- 2) install and maintain a lube oil vent coalescer, and
- 3) monitor ammonia emissions and adjust ammonia injection rates to the SCR system, as necessary, to reduce use of excess ammonia.

Compliance shall be demonstrated using records maintained on-site by the facility.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-61: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-61.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions of particulate matter (including PM10 and PM2.5), sulfuric acid mist or opacity above any allowable emission limit stated in this permit and any corrective actions and/or preventive measures taken on any unit must be included in the semi-annual CCHPP PSD excess emissions report and also reported by telephone within two business days to:

Air Compliance Branch, Division of Enforcement and  
Compliance Assistance  
USEPA- Region 2  
290 Broadway - 21st Floor  
New York, NY 10007 - 1866  
(212) 637-3000

If any failure results in a release of emissions of a hazardous air pollutant(s) that continues for more than an hour in excess of any applicable limit, or in a release of any other regulated pollutant that continues for more than two hours in excess of any applicable limit, the EPA must be notified within 24 hours. This information must also be included in the semi-annual CCHPP excess emissions report.

In addition, the USEPA Air Compliance Branch shall be notified in writing within 15 days of any such failure referenced above. This notification shall include a



description of the malfunctioning equipment or abnormal operation; the date of the initial failure; the period of time over which the emissions were increased due to the failure; the cause of the failure; the estimated resultant emissions in excess of those allowed under this permit; and the methods used to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction shall cause.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-62: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-62.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Cornell shall submit a written report of all excess emissions for each Solar Titan 130 combustion turbine and each duct burner to EPA semiannually. For the purposes of this requirement, excess emissions includes fuel consumption rates above the specified levels, as well as exceedances of limits on hours of operation, as calculated for the specified averaging times. All reports shall be post-marked by the 30th day following the end of each six-month reporting period, and shall include:

1) the nature and cause of any malfunction (if known) and the corrective action taken or preventive measures adopted,

2) the date and time identifying each period during which the applicable continuous monitoring system was inoperative except for zero and span checks and the nature of the system repair or adjustments, and

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3) the magnitude of the excess emissions, and the date and time of commencement and completion of each time period excess emissions.

When no excess emissions have occurred of the applicable monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

The semiannual report shall be submitted to:  
Chief, Air Compliance Branch  
USEPA - Region 2  
290 Broadway - 21st floor  
New York, NY 10007-1866

Copies of the semiannual report shall also be submitted to:  
Chief, Air Programs Branch, Permitting Section  
USEPA - Region 2  
290 Broadway - 25th floor  
New York, NY 10007-1866

Region 2 CEM coordinator  
USEPA - Region 2  
Monitoring and Assessment Branch - Air and Water Q/A  
Team  
2890 Woodbridge Avenue - MS 220  
Edison, New Jersey 08837-3679

Regional Air Pollution Control Engineer  
NYSDEC Region 7  
615 Erie Boulevard West  
Syracuse, NY 13204-2400

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-63: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-63.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

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**Item 2-63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel switching for each Solar Titan 130 combustion turbine is defined as the brief period of dual firing when changing between the two authorized fuels. Fuel switching shall be conducted in accordance with manufacturer's recommendations. The duration of any at-load fuel switch shall not exceed 30 minutes. Compliance shall be demonstrated using records maintained on-site at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-64: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-64.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

At all times, Cornell shall, to the extent practicable, maintain and operate the two Solar Titan 130 combustion turbines, 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 EPA and/or DEC which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the plant.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-65: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-65.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. Cornell shall maintain and periodically update, as necessary, logs to record the following:
  - i. the gallons of ultra low sulfur diesel fuel oil fired on a daily basis for each turbine,
  - ii. the amount of natural gas consumed in scf or MMBTU HHV on a daily basis for each turbine and each duct burner,
  - iii. the hours of operation of each turbine for each fuel,
  - iv. the operating days when the ambient air temperature was below 0 deg F,
  - v. the sulfur content of all fuel oil burned, as represented by the fuel oil vendor certifications,
  - vi. the electrical output (MW) on a daily basis from each turbine,
  - vii. any non-automated adjustments and maintenance performed on each turbine,
  - viii. any non-automated adjustments and maintenance performed on monitoring systems, and
  - ix. all calculations (including, but not limited to rolling averages) and information related to emission determinations.

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All monitoring records, fuel sampling test results, calibration test results and logs must be maintained for a period of five years after the date of record and made available upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-66: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-66.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-66.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1. Each Solar Titan 130 combustion turbine shall be limited to a maximum fuel consumption rate of 170,200 scfh of natural gas (based on 1,025 BTU/scf HHV) when the ambient temperature exceeds 0 deg F, or 177,000 scfh of natural gas (based on 1025 BTU/scf HHV) when the ambient temperature is 0 deg F or lower. Fuel consumption rates are based on 24-hour block averages.
2. Cornell shall install, calibrate, maintain and operate, in accordance with the manufacturer's specifications, continuous monitoring systems to measure and record each combustion turbine's fuel flows.
3. Records shall be maintained on-site. Deviations shall be reported in the semi-annual CCHPP PSD excess emissions report.

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 177,000 cubic feet per hour  
(standard conditions)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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**DESCRIPTION**

Averaging Method: 24 HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-67: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-67.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

**Item 2-67.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1. Each Solar Titan 130 combustion turbine shall be limited to a maximum fuel consumption rate of 1,170 gph of ultra low sulfur diesel oil (based on 135,000 BTU/gal HHV) when the ambient temperature exceeds 0 deg F, or 1,220 gph of distillate oil (based on 135,000 BTU/gal HHV) when the ambient temperature is 0 deg F or lower. Fuel consumption rates are based on 24-hour block averages.
2. Cornell shall install, calibrate, maintain and operate, in accordance with the manufacturer's specifications, continuous monitoring systems to measure and record each combustion turbine's fuel flows.
3. Records shall be maintained on-site. Deviations shall be reported in the semi-annual CCHPP PSD excess emissions report.

Parameter Monitored: FUEL OIL

Upper Permit Limit: 1220 gallons per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-68: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**



**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-68.1:**

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

Emission Unit: 1-CHP06

**Item 2-68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The primary fuel for each Solar Titan 130 combustion turbine shall be pipeline grade natural gas. Ultra low sulfur diesel may be fired as a secondary fuel. Any combustion turbine shall not simultaneously fire multiple fuels, except during periods of fuel switching. The duct burners shall only fire pipeline grade natural gas. Compliance shall be demonstrated using records maintained on-site by the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-69: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 2-69.1:**

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

Emission Unit: 1-CHP06

**Item 2-69.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

1. Each duct burner shall be limited to a maximum design heat input of 115 MMBTU/hr and a maximum fuel consumption rate of 112,000 scfh of natural gas (based on 1,025 BTU/scf HHV). Fuel consumption rates are based on 24-hour

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block averages. Records shall be maintained on-site.

2. Cornell shall install, calibrate, maintain and operate, in accordance with the manufacturer's specifications, continuous monitoring systems to measure and record each combustion duct burner's fuel flows.

3. Deviations shall be reported in the semi-annual CCHPP PSD excess emissions report.

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 112,000 cubic feet per hour  
(standard conditions)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-70: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 63.6100, Subpart YYYY**

**Item 2-70.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GDO

Emission Unit: 1-CHP06

Process: GTO

**Item 2-70.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Pursuant to 40 CFR 63.6100 and 63.6125(a), the four hour rolling average inlet temperature to each oxidation catalyst shall be maintained within the range suggested by the catalyst manufacturer when the turbine is firing oil. That range is between 550 F and 1100 F.

Pursuant to 40 CFR 63.6125(a), the owner or operator of the stationary gas turbine must continuously monitor the temperature to the inlet of the oxidation catalyst.

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Pursuant to this condition, the owner or operator of the stationary gas turbine must record the average temperature to the inlet of the oxidation catalyst at least once per hour.

This requirement applies at all times except during periods of startup, shutdown and malfunction.

Each stationary combustion turbine, oxidation catalyst and monitoring device must be operated in a manner consistent with good air pollution control practices for minimizing emissions at all times including during periods of startup, shutdown and malfunction.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 550 degrees Fahrenheit

Upper Permit Limit: 1100 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-71: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 63.6100, Subpart YYYY**

**Item 2-71.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GDO

Emission Unit: 1-CHP06

Process: GTO

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

**Item 2-71.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission limit applies to the combustion of ultra low sulfur diesel in each gas turbine. This limit applies at all times except during periods of startup,



shutdown and malfunction.

Pursuant to 40 CFR 63.6100 and 63.6140(a), emissions of formaldehyde from each gas turbine shall not exceed 91 ppb, dry basis, corrected to 15% oxygen. Compliance with this limit shall be determined through stack emissions testing when the gas turbine is operating on oil without the duct burner on-line. Testing shall be conducted on an annual basis as specified in 40 CFR Part 63, Subpart YYYY, Table 3, and at any other time specified by the DEC. Testing must be conducted at 100 percent load, plus or minus 10 percent.

In the event that the gas turbine does not operate more than 168 hours on ultra low sulfur diesel in any calendar year, emissions testing is not required during that year in accordance with a waiver received from the USEPA. In any case, testing must be conducted at least once per permit term.

On a calendar year annual basis, the owner or operator submit to the DEC a certification stating whether the owner or operator operated in compliance with this condition. Such report shall state whether the facility conducted an emissions test and if so, the results of such testing.

Upper Permit Limit: 91 parts per billion by volume (dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: EPA Method 320 or approved alternate

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-72: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 40CFR 63.6145, Subpart YYYY**

**Item 2-72.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06

Process: GDO

Emission Unit: 1-CHP06

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Facility DEC ID: 7500700030



Process: GTO

**Item 2-72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must submit all notifications in 40 CFR 63.7(b) and (c), 63.8(f)(4) and 63.9(h) by the dates specified.

Cornell must submit to the DEC and the EPA a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin.

Cornell must submit to the DEC and the EPA a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii). For each performance test required to demonstrate compliance with the emission limit for formaldehyde, you must submit a Notification of Compliance Status, including the performance test results, before the close of business on the 60th calendar day following the completion of the performance test.

On a calendar year basis, the owner or operator shall submit to the DEC a statement whether he or she has complied with this condition.

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 1/30/2012.

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

**Condition 2-73: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 63.6150, Subpart YYYYY**

**Item 2-73.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06  
Process: GDO

Emission Unit: 1-CHP06  
Process: GTO

**Item 2-73.2:**

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Facility DEC ID: 7500700030



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must submit to the DEC a semi-annual report containing the following information:

1. The company name and address.
2. A statement by the responsible official, with that official's name, title, and signature, certifying the accuracy of the report.
3. The date of the report and the beginning and ending dates of the reporting period.
4. For each deviation from an emission limitation, the compliance report must contain:
  - (i) the total operating time of each stationary combustion turbine during the reporting period;
  - (ii) information on the number, duration and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken; and
  - (iii) information on the number, duration and cause for monitor downtime incidents (including unknown cause, if applicable, other than downtime associated with zero and span and other daily calibration checks).

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-74: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 40CFR 63.6155, Subpart YYY**

**Item 2-74.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-CHP06  
Process: GDO

Emission Unit: 1-CHP06  
Process: GTO



**Item 2-74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Cornell must keep the following records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1). The records must be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record. The most recent two years must be retained on-site or the records must be accessible on-site. The remaining 5 years may be retained off-site.

(1) A copy of each notification and report that was submitted to comply with 40 CFR Part 63, Subpart YYYYY, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in 40 CFR 63.10(b)(2)(xix).

(2) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(3) Records of the occurrence and duration of each startup, shutdown, or malfunction as required in 40 CFR 63.10(b)(2)(i).

(4) records of the occurrence and duration of each malfunction of the air pollution control equipment, if applicable, as required in 40 CFR 63.10(b)(2)(ii).

(5) Records of all maintenance on the air pollution control equipment as required in 40 CFR 63.10(b)(2)(iii).

On an calendar year basis, the owner or operator shall report to the DEC 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 1/30/2012.

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

Applicable Federal Requirement:40 CFR Part 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 for routine repairs of the COMS.

4. On a quarterly basis, the owner or operator shall

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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:6 NYCRR Subpart 201-6**

**Item 30.1(From Mod 2):**

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

- Emission Unit: 1-CHP06
- Emission Point: 00007
  - Height (ft.): 180                      Diameter (in.): 72
  - NYTMN (km.): 4700.1                  NYTME (km.): 378.3
- Emission Point: 00008
  - Height (ft.): 180                      Diameter (in.): 72
  - NYTMN (km.): 4700.1                  NYTME (km.): 378.3

**Item 30.2(From Mod 2):**

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

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Emission Unit: 1-CHP07

Emission Point: 00009

Height (ft.): 91

NYTMN (km.): 4700.1

Diameter (in.): 7

NYTME (km.): 378.3

Emission Point: 00010

Height (ft.): 91

NYTMN (km.): 4700.1

Diameter (in.): 7

NYTME (km.): 378.3

**Item 30.3(From Mod 0):**

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

Emission Unit: 1-CHP01

Emission Point: 00001

Height (ft.): 225

NYTMN (km.): 4700.1

Diameter (in.): 136

NYTME (km.): 378.3

Building: 5510B

**Item 30.4(From Mod 0):**

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

Emission Unit: 1-CHP02

Emission Point: 00002

Height (ft.): 225

NYTMN (km.): 4700.1

Diameter (in.): 132

NYTME (km.): 378.3

Building: 5510B

**Item 30.5(From Mod 0):**

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

Emission Unit: 1-CHP03

Emission Point: 00003

Height (ft.): 77

NYTMN (km.): 4700.1

Diameter (in.): 60

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:6 NYCRR Subpart 201-6**

**Item 31.1(From Mod 2):**

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

Emission Unit: 1-CHP06

Process: GDG

Source Classification Code: 2-03-002-03

Process Description:

Process GDG consists of natural gas combustion in gas turbine generator 1 and/or 2, with supplemental duct burner firing on natural gas.

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Emission Source/Control: DBNR1 - Combustion  
Design Capacity: 115 million BTUs per hour

Emission Source/Control: DBNR2 - Combustion  
Design Capacity: 115 million BTUs per hour

Emission Source/Control: GTG01 - Combustion  
Design Capacity: 155 million BTUs per hour

Emission Source/Control: GTG02 - Combustion  
Design Capacity: 155 million BTUs per hour

Emission Source/Control: OXCT1 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 31.2(From Mod 2):**

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

Emission Unit: 1-CHP06

Process: GDO

Source Classification Code: 2-03-001-02

Process Description:

Process GDO consists of distillate fuel oil (ultra low sulfur diesel) combustion in gas turbine generator a and/or 2, with supplemental duct burner firing on natural gas.

Emission Source/Control: DBNR1 - Combustion  
Design Capacity: 115 million BTUs per hour

Emission Source/Control: DBNR2 - Combustion  
Design Capacity: 115 million BTUs per hour

Emission Source/Control: GTG01 - Combustion  
Design Capacity: 155 million BTUs per hour

Emission Source/Control: GTG02 - Combustion  
Design Capacity: 155 million BTUs per hour

Emission Source/Control: OXCT1 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control



Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 31.3(From Mod 2):**

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

Emission Unit: 1-CHP06  
Process: GTG Source Classification Code: 2-03-002-03  
Process Description:  
Process GTG consists of natural gas combustion in gas turbine generator 1 and/or 2 without supplemental duct burner firing.

Emission Source/Control: GTG01 - Combustion  
Design Capacity: 155 million BTUs per hour

Emission Source/Control: GTG02 - Combustion  
Design Capacity: 155 million BTUs per hour

Emission Source/Control: OXCT1 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 31.4(From Mod 2):**

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

Emission Unit: 1-CHP06  
Process: GTO Source Classification Code: 2-03-001-02  
Process Description:  
Process GTO consists of distillate fuel oil combustion (ultra low sulfur diesel) in gas turbine generator 1 and/or 2, without supplemental duct burner firing.

Emission Source/Control: GTG01 - Combustion  
Design Capacity: 155 million BTUs per hour

Emission Source/Control: GTG02 - Combustion  
Design Capacity: 155 million BTUs per hour



Emission Source/Control: OXCT1 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXCT2 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: SCR01 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SCR02 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

**Item 31.5(From Mod 2):**

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

Emission Unit: 1-CHP07  
Process: G2E Source Classification Code: 2-03-001-01  
Process Description:  
Process G2E consists of two (2) 1000 kW diesel generators used to generate power during emergency situations.

Emission Source/Control: DGEN2 - Combustion  
Design Capacity: 1,000 kilowatts

Emission Source/Control: DGEN3 - Combustion  
Design Capacity: 1,000 kilowatts

**Item 31.6(From Mod 0):**

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<sub>x</sub> CONTROL IN BOILER 6.

Emission Source/Control: BOIL6 - Combustion

Emission Source/Control: BOIL7 - Combustion

**Item 31.7(From Mod 0):**

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

Emission Unit: 1-CHP01  
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 31.8(From Mod 0):**

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 31.9(From Mod 0):**

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

**Item 31.10(From Mod 0):**

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.

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Emission Source/Control: BOIL2 - Combustion  
Design Capacity: 103 million Btu per hour

**Item 31.11(From Mod 0):**

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 31.12(From Mod 0):**

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 2-75: Process Permissible Emissions**  
Effective between the dates of 11/28/2011 and 04/01/2012

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 0-75.1:**

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 1-CHP03 Process: B5G  
CAS No: 0NY210-00-0 (From Mod 0)  
Name: OXIDES OF NITROGEN  
PTE(s): 62,640 pounds per year

**Condition 32: Compliance Certification**  
Effective between the dates of 04/02/2007 and 04/01/2012

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

**Item 32.1:**

The Compliance Certification activity will be performed for:

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Emission Unit: 1-CHP01

**Item 32.2:**

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

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

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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:6 NYCRR 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 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;

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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:6 NYCRR 227-2.4 (b) (1)**

**Item 34.1:**

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 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

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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<sub>x</sub>. 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.

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;
- 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).

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**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 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

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**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

**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<sub>x</sub> NSPS LIMIT FOR

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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 NOX 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.  
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**

**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 NO<sub>2</sub>) (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.
  - 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)

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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:**

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: 6 NYCRR 225-2.3 (b) (1)

**Item 49.1:**

The Compliance Certification activity will be performed for:

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

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INPUT WHEN FIRING WASTE FUEL A.

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: 6 NYCRR 227-1.2 (a) (1)**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

Process: 670

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 670). 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

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:6 NYCRR 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<sub>x</sub>. 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.  
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 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;

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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**

**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**

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**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.**

**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:**

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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 SO<sub>2</sub>/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  
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

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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:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSIONS FROM BOILERS 6 AND 7 (PROCESS 67O) 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).

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**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: 67O

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:

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

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**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

**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:

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 NO<sub>2</sub>) (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.
- 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.

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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 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:**

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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 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**

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

**Item 69.1:**

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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



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: 6 NYCRR 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.

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

**New York State Department of Environmental Conservation**

Permit ID: 7-5007-00030/00031

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

**Applicable Federal Requirement:6 NYCRR 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

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:6 NYCRR 257-1.4**

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01

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Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



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.

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)

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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:6 NYCRR 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  
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

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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:6 NYCRR 225-1.7 (c)**

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP01                      Emission Point: 00001

**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:6 NYCRR 227-1.2 (a) (4)**

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02  
Process: B1C

**New York State Department of Environmental Conservation**

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



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

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:6 NYCRR 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.

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Facility DEC ID: 7500700030



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)

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: 6 NYCRR 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.

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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**

**Applicable Federal Requirement:6 NYCRR 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;

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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 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: 6 NYCRR 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



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:6 NYCRR 257-1.4**

**Item 80.1:**

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 80.2:**

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: 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

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**

**New York State Department of Environmental Conservation**

Permit ID: 7-5007-00030/00031

Facility DEC ID: 7500700030



**Applicable Federal Requirement: 6 NYCRR 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 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:6 NYCRR 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 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.

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**\*\*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**

**Applicable Federal Requirement: 6 NYCRR 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<sub>x</sub> 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

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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:6 NYCRR 227-2.4 (b) (1)**

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02  
Process: B20

**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:6 NYCRR 227.2 (b) (1)**

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP02  
Process: B20

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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.

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:6 NYCRR 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

**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<sub>x</sub> 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:6 NYCRR 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:

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Facility DEC ID: 7500700030



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.

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).

**Condition 2-76: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 201-1.4 (a)**

**Item 2-76.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP06

**Item 2-76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition defines startup for determining compliance with NO<sub>x</sub>, CO and ammonia emission limits.



- (a) The owner or operator shall develop and maintain procedures for the cold start of the gas turbine(s) and for the shutdown of the gas turbine(s). Such procedures shall define temperature permissives (and any other operating parameters, if needed) for ammonia injection.
  
- (b) Startup and shutdown shall be accomplished in accordance with the procedures identified in Item (a). The date and time when permissives are achieved, as well as deviations from the procedures developed in accordance with Item (a), shall be noted in a written log (or otherwise documented, such as in a computer system).
  
- (c) The time required for shutdown shall not exceed one-half hour, commencing with the stopping of ammonia flow.
  
- (d) The time required for startup shall not exceed 3 hours, commencing with the first firing of fuel and ending with the conditions for achieving ammonia injection.
  
- (e) Ammonia flow shall be initiated immediately after injection permissives have been achieved.
  
- (f) If ammonia permissives are achieved within the first 30 minutes of a clock hour (e.g., between 0600 and 0630 for clock hour 6), compliance with all limits is required commencing with the next full clock hour after permissives have been achieved (e.g., starting with clock hour 7). If ammonia permissives are achieved during the last 30 minutes of a clock hour (e.g., after 0630 but before 0700), compliance with all limits is required commencing with the second full clock hour after permissives have been achieved (e.g., starting with clock hour 8).
  
- (g) Emissions shall be monitored and recorded whenever fuel is fired. Periods of excess emissions due to startup and shutdown must be identified in the quarterly excess emissions report. For those periods of excess emissions due to startup or shutdown where procedures deviated from the procedures developed in accordance with Item (a) of this condition, the owner or operator shall describe how the actual startup or shutdown procedures deviated from the written procedures.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-77: Compliance Certification**

**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart KKKK**

**Item 2-77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP06

**Item 2-77.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The stationary combustion turbines are subject to 40 CFR Part 60, Subpart KKKK, Standards of Performance for Stationary Combustion Turbines. This federal standard imposes emissions limits that are much less stringent than the emissions limits imposed elsewhere in this permit. For example, the NO<sub>x</sub> emission limits when firing gas and oil are 25 ppm and 74 ppm, respectively (compared to 2.5 ppm and 9.0 ppm). The fuel sulfur limit in the Standards of Performance of 0.060 pounds sulfur per million Btu heat input is also much less stringent than combusting ultra low sulfur diesel.

Pursuant to 40 CFR 60.4333(a), Cornell must operate and maintain each stationary combustion turbine, air pollution control equipment and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown and malfunction.

The Standards of Performance specifies the procedures to be used to determine compliance. Pursuant to 40 CFR 60.4340(b)(1) and 60.4345, Cornell will use continuous emissions monitoring meeting the requirements of 40 CFR Part 75 to demonstrate compliance with the NO<sub>x</sub> limit. Cornell must implement the quality assurance program and plan description in Section 1 of Appendix B to 40 CFR Part 75.

Cornell will demonstrate compliance with the fuel sulfur limit by demonstrating that the fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract meet the

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specifications in 40 CFR 60.4365(a), which are 0.05 weight percent sulfur for fuel oil and 20 grains total sulfur per 100 standard cubic feet for natural gas.

The Standards of Performance also specify recordkeeping and reporting requirements. The quarterly reports required elsewhere satisfy the requirements of 40 CFR 60.4375(a).

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 1/30/2012.

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

**Condition 2-78: Capping Monitoring Condition**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 2-78.1:**

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

6 NYCRR Subpart 227-2

6 NYCRR Subpart 231-2

40 CFR 52.21

**Item 2-78.2:**

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

**Item 2-78.3:**

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

**Item 2-78.4:**

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

**Item 2-78.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement,

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for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 2-78.6:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

Regulated Contaminant(s):

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

**Item 2-78.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

1. The combined operating hours of DGEN 2 and DGEN 3 are limited, in aggregate, to 800 hours per 12 month rolling period.
2. DGEN2 shall not operate more than 500 hours per 12 month rolling period.
3. DGEN3 shall not operate more than 500 hours per 12 month rolling period.
4. The owner or operator shall maintain records showing the number of hours each emergency diesel generated operated in each calendar month. Records demonstrating compliance with this condition shall be maintained at the site and submitted to the DEC upon request.
5. This condition does not waive any other permit requirement that restricts operation of the emergency diesel engines.
6. On an annual basis, the owner or operator shall include in his annual certification a report of the annual operating hours for each engine during the past year. Additionally, if operation of the engines exceeds the limits in this condition, the owner or operator shall submit to the DEC a notification of such excess operation no later than 30 days after such occurrence.

Work Practice Type: HOURS PER YEAR OPERATION

Parameter Monitored: OPERATING HOURS

Upper Permit Limit: 500 hours

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 12-month rolling average

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Facility DEC ID: 7500700030



Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 12 calendar month(s).

**Condition 2-79: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

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

**Item 2-79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 2-79.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

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

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition,



it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: DAILY  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 12 calendar month(s).

**Condition 2-80: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 40CFR 60.4205(b), NSPS Subpart III**

**Item 2-80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 2-80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a 2007 model year or later emergency stationary compression ignition (CI) internal combustion engine with a maximum engine power less than or equal to 2,237 kW (3,000 HP) that is not a fire pump engine and has a displacement of less than 10 liters/cylinder will require certification to the following emission standards:

1. For engines with a maximum engine power less than 37 kW (50 HP):
  - 2007 model year engines - emission standards specified in 40 CFR 89.112 and 40CFR 89.113, as applicable,
  - 2008 model year and later - emission standards specified in 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, as applicable.
2. For engines with a maximum engine power greater than or equal to 37 kW (50 HP):
  - 2007 model year and later - emission standards specified in 40 CFR 89.112 and 40CFR 89.113, as applicable, for all pollutants, for the same model year and maximum engine power.

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Compliance with this requirement will be established by purchasing an engine certified to the applicable emission standard referenced above and installed and configured according to the manufacturer's specifications. Records documenting these actions must be kept on-site.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-81: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 60.4206, NSPS Subpart IIII**

**Item 2-81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 2-81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pursuant to 40 CFR 60.4206 and 60.4211(a), Cornell must operate and maintain the emergency diesel generators according to the manufacturer's written instructions, or procedures developed by the owner or operator that are approved by the engine manufacturer over the life of the engine. Cornell may only change those settings that are permitted by the manufacturer. Cornell must also meet the requirements of 40 CFR Parts 89, 94 and/or 1068 as applicable.

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 1/30/2012.

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

**Condition 2-82: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 60.4207, NSPS Subpart IIII**

**Item 2-82.1:**



The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 2-82.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Cornell must use diesel fuel fired in the emergency diesel generators that meets the following requirements:

- (1) Sulfur content must not exceed 15 ppm maximum.
- (2) Cetane index or aromatic content, as follows:
  - (i) A minimum cetane index of 40; or
  - (ii) A maximum aromatic content of 35 volume percent.

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

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 15 parts per million by weight

Reference Test Method: ASTM or 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: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 2-83: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement: 40CFR 60.4209(a), NSPS Subpart III**

**Item 2-83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 2-83.2:**

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emergency stationary compression ignition IC engine must install and maintain a non-resettable hour meter prior to startup to monitor engine usage

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 1/30/2012.

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

**Condition 2-84: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 60.4211(e), NSPS Subpart III**

**Item 2-84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 2-84.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited.

Parameter Monitored: ENGINE OPERATION

Upper Permit Limit: 100 hours per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION

Averaging Method: ANNUAL TOTAL  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 12 calendar month(s).

**Condition 2-85: Compliance Certification**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable Federal Requirement:40CFR 63.6590(c), Subpart ZZZZ**

**Item 2-85.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: 1-CHP07

**Item 2-85.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

A new stationary RICE located at an area source of HAPs must meet the requirements of this part by meeting the requirements of 40 CFR Part 60, Subpart IIII for compression ignition engines. No further requirements apply for such engines under 40 CFR Part 63.

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 1/30/2012.  
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 permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0  
Name: FORMALDEHYDE

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CAS No: 000630-08-0  
Name: CARBON MONOXIDE

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

CAS No: 007664-41-7  
Name: AMMONIA

CAS No: 007664-93-9  
Name: SULFURIC ACID

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

CAS No: 0NY075-00-5  
Name: PM-10

CAS No: 0NY100-00-0  
Name: HAP

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

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

**Condition 2-86: Unavoidable noncompliance and violations**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 2-86.1:**

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

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



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

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

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

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

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

**Applicable State Requirement:6 NYCRR 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 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:6 NYCRR 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.

**Condition 2-87: Visible Emissions Limited**  
**Effective between the dates of 11/28/2011 and 04/01/2012**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 2-87.1:**

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

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

**Condition 2-88: Compliance Demonstration**  
Effective between the dates of 11/28/2011 and 04/01/2012

**Applicable State Requirement: 6 NYCRR 617.11 (d)**

**Item 2-88.1:**

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

Emission Unit: 1-CHP06

Regulated Contaminant(s):  
CAS No: 007664-41-7 AMMONIA

**Item 2-88.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This emission limit applies to each gas turbine, with or without operation of the duct burner.

Emissions of ammonia from each gas turbine: shall not exceed 5.0 ppm by volume on a 3 hour rolling average, measured on a dry basis and corrected to 15% oxygen. This emission limit shall not apply during periods of startup or shutdown.

Compliance with this limit shall be determined using ammonia continuous emission monitors. The ammonia CEMs shall be operated in accordance with an operations and maintenance manual, as approved by the DEC.

On a calendar quarter basis, the owner or operator shall submit to the DEC, in a format acceptable to the DEC, a report of excess emissions and continuous emissions monitoring down time. The report shall identify each period of excess emissions and, for each such period, state the average value of the emission; the cause of the excess emission; and the corrective action taken.

Manufacturer Name/Model Number: Continuous Emission Monitor

Parameter Monitored: AMMONIA

Upper Permit Limit: 5.0 parts per million by volume  
(dry, corrected to 15% O<sub>2</sub>)

Reference Test Method: CEMs

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 3 calendar month(s).

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

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

**Applicable State Requirement:6 NYCRR 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:

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 B20).

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

