



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 7-5007-00030/00049  
Effective Date: 09/29/2011                      Expiration Date: No expiration date

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:  
State Facility Permit to authorize construction of a new dual fuel fired boiler and two rental units.

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
  - Permit modifications, suspensions or revocations by the Department
  - Permit modifications, suspensions or revocations by the Department

**Facility Level**

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



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**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 prior to actual transfer of ownership.



**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

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 provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

**Item 5.1:**

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

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

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

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

**Item 6.1:**

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

**New York State Department of Environmental Conservation**

Permit ID: 7-5007-00030/00049

Facility DEC ID: 7500700030



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

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

**IDENTIFICATION INFORMATION**

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

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

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

Permit Effective Date: 09/29/2011  
date.

Permit Expiration Date: No expiration  
date.



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- \*2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- \*3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- \*4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- \*5 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- \*6 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- \*7 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 8 6 NYCRR 211.1: Air pollution prohibited
- 9 6 NYCRR 231-11.2 (c): Compliance Demonstration
- 10 40CFR 60.7, NSPS Subpart A: Compliance Demonstration
- 11 40CFR 60.8, NSPS Subpart A: Compliance Demonstration
- 12 40CFR 60.11, NSPS Subpart A: Compliance Demonstration
- 13 40CFR 60.13, NSPS Subpart A: Compliance Demonstration
- 15 40CFR 63.11201(a), Subpart JJJJJ: Compliance Demonstration
- 16 40CFR 63.11201(b), Subpart JJJJJ: Compliance Demonstration
- 17 40CFR 63.11205(a), Subpart JJJJJ: Good air pollution control practices
- 18 40CFR 63.11214(b), Subpart JJJJJ: Compliance Demonstration
- 19 40CFR 63.11223(b), Subpart JJJJJ: Compliance Demonstration
- 14 40CFR 63.11225, Subpart JJJJJ: Compliance Demonstration

#### Emission Unit Level

##### EU=1-CHP08

- 20 6 NYCRR 227-2.4 (b) (1) (i): Compliance Demonstration
- 21 40CFR 60.44b, NSPS Subpart Db: Compliance Demonstration

##### EU=1-CHP08,Proc=B90

- 22 40CFR 60.42b(j), NSPS Subpart Db: Compliance Demonstration
- 23 40CFR 60.43b(f), NSPS Subpart Db: Compliance Demonstration
- 24 40CFR 60.43b(f), NSPS Subpart Db: Compliance Demonstration
- 25 40CFR 60.48b(a), NSPS Subpart Db: Compliance Demonstration

##### EU=R-ENTL

- 26 6 NYCRR 227-2.4 (c) (1) (i): Compliance Demonstration
- 27 40CFR 60.48c, NSPS Subpart Dc: Compliance Demonstration

##### EU=R-ENTL ,Proc=RBO

- 28 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 29 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 30 6 NYCRR 227-1.3 (a): Compliance Demonstration

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 31 ECL 19-0301: Contaminant List
- 32 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 33 6 NYCRR Subpart 201-5: Emission Unit Definition
- 34 6 NYCRR 211.2: Visible Emissions Limited



**Emission Unit Level**

35 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

**EU=1-CHP08**

36 6 NYCRR 227-2.4 (b) (1) (ii): Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Sealing - 6 NYCRR 200.5**

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

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

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

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

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

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

**Item C: Maintenance of Equipment - 6 NYCRR 200.7**

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



required to operate such device effectively.

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

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Emergency Defense - 6 NYCRR 201-1.5**

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

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

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

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



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

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

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

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

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

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

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

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

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

**Item J: Required Emission Tests - 6 NYCRR 202-1.1**



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

**Item K: Visible Emissions Limited - 6 NYCRR 211.3**

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

**Item L: Open Fires Prohibitions - 6 NYCRR 215.2**

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

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

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

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

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



regulations.

**FEDERAL APPLICABLE REQUIREMENTS**  
**The following conditions are federally enforceable.**

**Condition 1: Facility Permissible Emissions**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 1.1:**

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

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

CAS No: 0NY210-00-0

PTE: 78,000 pounds per year

Name: OXIDES OF NITROGEN

**Condition 2: Capping Monitoring Condition**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 2.1:**

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 231-8

**Item 2.2:**

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

**Item 2.3:**

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:**

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





**Condition 3: Capping Monitoring Condition**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 3.1:**

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 231-8  
40 CFR 52.21

**Item 3.2:**

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

**Item 3.3:**

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 3.4:**

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 3.5:**

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 3.6:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

Regulated Contaminant(s):  
CAS No: 000124-38-9 CARBON DIOXIDE

**Item 3.7:**

Compliance Demonstration shall include the following monitoring:



Capping: Yes

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

Monitoring Description:

This condition is applicable to the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler, emission source BOI09.

1. Total, combined emissions of carbon dioxide (equivalent) from the two rental boilers and package boiler shall not exceed 74,000 tons per 12 month rolling period.
2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of CO<sub>2</sub> (equivalent) per million Btu and the actual heat input for that boiler.
3. The emission rate used to compute emissions shall be either (1) 117.00 pounds CO<sub>2</sub> per million Btu when combusting gas, (2) 163.60 pounds CO<sub>2</sub> per million Btu when combusting oil, (3) an emission factor based on actual fuel sampling and analysis, approved by the DEC, or (4) a Btu-weighted factor when co-firing.
4. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of CO<sub>2</sub> emitted for each 12 month rolling period in that reporting period. Additionally, if CO<sub>2</sub> emissions during any 12 month rolling period exceed 74,000 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Parameter Monitored: CARBON DIOXIDE

Upper Permit Limit: 74000 tons per year

Monitoring Frequency: MONTHLY

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 4: Capping Monitoring Condition**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-7**

**Item 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:

6 NYCRR Subpart 231-6

**Item 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 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 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 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 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 4.6:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

Regulated Contaminant(s):

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

**Item 4.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler BOI09.

1. Total, combined emissions of oxides of nitrogen from the two rental boilers and package boiler shall not exceed



39 tons per 12 month rolling period.

2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of NO<sub>x</sub> (expressed as NO<sub>2</sub>) per million Btu and the actual heat input for that boiler.
3. The emission rate from the rental boilers used to compute emissions shall be measured in accordance with EPA-promulgated reference methods and a protocol approved by the Department. Emissions testing shall be conducted no later than 60 days after first commencing operation and at any other time when requested by the EPA or the Department. Emissions shall be computed using the highest value of three test runs.
4. The emission rate from the package boiler, BOI09, used to compute emissions shall be measured using a continuous emission monitor in accordance with a CEM monitoring plan approved by the Department. Emissions of NO<sub>x</sub> to the atmosphere that are not monitored shall be computed using procedures approved by the Department.
5. During the period commencing with initial startup until the first emissions test is conducted, emissions shall be computed using the first emissions test. Thereafter, emissions shall be computed using the most recent emissions test from the date the test is completed and dates forward.
6. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of NO<sub>x</sub> emitted for each 12 month rolling period in that reporting period. Additionally, if NO<sub>x</sub> emissions during any 12 month rolling period exceed 39 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Upper Permit Limit: 39 tons per year  
Reference Test Method: EPA Method 7E or equivalent  
Monitoring Frequency: MONTHLY  
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 5: Capping Monitoring Condition**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**



**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 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:

6 NYCRR Subpart 231-8

**Item 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 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 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 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 5.6:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

Regulated Contaminant(s):

CAS No: 0NY075-02-5 PM 2.5

**Item 5.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to the rental boilers,



emission sources RBOI1 and RBOI2, and the package boiler, emission source BOI09.

1. Total, combined emissions of PM-2.5 from the two rental boilers and package boiler shall not exceed 9.9 tons per 12 month rolling period.
2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of pm-2.5 per million Btu and the actual heat input for that boiler.
3. The emission rate used to compute emissions from the rental boilers shall be either (1) 0.05 pounds per million Btu or (2) a factor determined from on-site emissions testing, as directed by the DEC. However, in the event that predicted emissions from the sum of the rental boilers and package boiler, calculated using 0.05 pounds PM-2.5 per million Btu from the rental boilers, exceeds 9.0 tons in any 12-month rolling period, then boiler-specific emissions factors must be determined through on-site testing conducted in accordance with EPA-promulgated reference methods and a protocol approved by the Department. Annual emissions shall be computed using the highest value of three test runs.

The emission rate used to compute emissions from the package boiler shall be either (1) 0.03 pounds per million Btu or (2) a factor determined from on-site emissions testing, not to exceed 0.03 pounds per million Btu, as directed by the DEC.

4. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of PM-2.5 emitted for each 12 month rolling period in that reporting period. Additionally, if PM-2.5 emissions during any 12 month rolling period exceed 9.9 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Upper Permit Limit: 9.9 tons per year

Reference Test Method: EPA Methods 201A and 202

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 6: Capping Monitoring Condition**



Effective between the dates of 09/29/2011 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-7

**Item 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 231-8

**Item 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 6.3:**

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 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 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 6.6:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

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

**Item 6.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING



Monitoring Description:

This condition is applicable to the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler, emission source BOI09.

1. Total, combined emissions of PM-10 from the two rental boilers and package boiler shall not exceed 14.5 tons per 12 month rolling period.
2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of PM-10 per million Btu and the actual heat input for that boiler.
3. The emission rate used to compute emissions from the rental boilers shall be either (1) 0.05 pounds per million Btu or (2) a factor determined from on-site emissions testing, as directed by the DEC. However, in the event that predicted emissions from the sum of the two rental boilers and package boiler, calculated using 0.05 pounds PM-10 per million Btu from the rental boilers, exceeds 12.0 tons in any 12-month rolling period, then boiler-specific emissions factors must be determined through on-site testing conducted in accordance with EPA-promulgated reference methods and a protocol approved by the Department. Annual emissions shall be computed using the highest value of three test runs.

The emission rate used to compute emissions from the package boiler shall be either (1) 0.03 pounds per million Btu or (2) a factor determined from on-site emissions testing, not to exceed 0.03 pounds per million Btu, as directed by the DEC.

4. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of PM-10 emitted for each 12 month rolling period in that reporting period. Additionally, if PM-10 emissions during any 12 month rolling period exceed 14.5 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Upper Permit Limit: 14.5 tons per year

Reference Test Method: EPA Method 201a and 202

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 7: Capping Monitoring Condition**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 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 231-8

**Item 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 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 7.4:**

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 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 7.6:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

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

**Item 7.7:**

Compliance Demonstration shall include the following monitoring:



Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable to the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler, emission source BOI09.

1. Total, combined emissions of particulates from the two rental boilers and package boiler shall not exceed 24.5 tons per 12 month rolling period.
2. Emissions from each boiler shall be computed as the product of an emission rate, expressed in pounds of PM-10 per million Btu and the actual heat input for that boiler.
3. The emission rate used to compute emissions from the rental boilers shall be either (1) 0.05 pounds per million Btu or (2) a factor determined from on-site emissions testing, as directed by the DEC. However, in the event that predicted emissions from the sum of the two rental boilers and the package boiler, calculated using 0.05 pounds PM-10 per million Btu from the rental boilers, exceeds 18.0 tons in any 12-month rolling period, then boiler-specific emissions factors must be determined through on-site testing conducted in accordance with EPA-promulgated reference methods and a protocol approved by the Department. Annual emissions shall be computed using the highest value of three test runs.

The emission rate used to compute emissions from the package boiler shall be either (1) 0.03 pounds per million Btu or (2) a factor determined from on-site emissions testing, not to exceed 0.03 pounds per million Btu, as directed by the DEC.

4. On an annual basis, the owner or operator shall submit to the Department a report stating the amount of particulates emitted for each 12 month rolling period in that reporting period. Additionally, if particulate emissions during any 12 month rolling period exceed 24.5 tons, the owner operator shall submit to the Department a notification of such excess emission no later than 30 days of such occurrence.

Upper Permit Limit: 24.5 tons per week

Reference Test Method: EPA Method 5

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 8: Air pollution prohibited**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 8.1:**

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 9: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 231-11.2 (c)**

**Item 9.1:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with Clause 231-4.1(b)(40)(i)(c) of this Part are added, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:



(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s).

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:

(i) the name, address, and telephone number of the major facility.

(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

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 10: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.7, NSPS Subpart A**



**Item 10.1:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The rental boilers (Emission Sources RBOI1 and RBOI2) are subject to 40 CFR Part 60, Subpart Dc and the package boiler (Emission Source BOI09) is subject to 40 CFR Part 60, Subpart Db. All three boilers are subject to the General Provisions, 40 CFR Part 60, Subpart A. The owner or operator must comply with the provisions of 40 CFR 60.7, as indicated below.

The owner must comply with the notification requirements of:

1. 40 CFR 60.7(a)(1), regarding the date construction of the affected unit commenced;
2. 40 CFR 60.7(a)(3), regarding the date of initial startup;
3. 40 CFR 60.7(a)(6), regarding the date for conducting opacity observations;
4. 40 CFR 60.7(b), which requires the owner or operator to keep records of startup, shutdown or malfunction;
5. 40 CFR 60.7(c) and 40 CFR 60.49b(h), applicable to BOI09, the package boiler, which require the submission of excess emission reports (the DEC is requiring the reports to be submitted on a quarterly basis). Excess emissions are defined in 40 CFR 60.49b(h)(4), and 40 CFR 60.49b(v) allows submission of electronic reports;
6. 40 CFR 60.7(d), requiring the use of a summary form when both the total duration of excess emissions is less than 1% of the total operating time in the period and the continuous monitoring system downtime is less than 5% of the total operating time in the period. When these criteria are exceeded, both the summary form and the full excess emission report shall be submitted. The full excess emission reports must state the date and time each



period of excess emissions begins and ends; the process operating time in the period; the cause of the excess emission; the identification of each period of excess emission cause during startup, shutdown and malfunction; the cause of the malfunction (if known); the corrective action taken; the date and time identifying each period when the opacity monitor was inoperative (except for zero and span checks) and the nature of the repairs or adjustments; and

7. 40 CFR 60.7(f) and 60.49b(o), requiring the owner or operator to keep a file of all measurements, tests, continuous monitoring system performance evaluations and calibration checks, and adjustments and maintenance performed on these systems.

On an annual basis, the owner or operator must submit to the DEC a report stating whether he or she has complied with the requirements of 40 CFR 60.7.

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 11: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.8, NSPS Subpart A**

**Item 11.1:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The rental boilers (Emission Sources RBOI1 and RBOI2) are subject to 40 CFR Part 60, Subpart Dc and the package boiler (Emission Source BOI09) is subject to 40 CFR Part 60, Subpart Db. All three boilers are subject to the General Provisions, 40 CFR Part 60, Subpart A. The owner or operator must comply with the provisions of 40 CFR 60.8



as indicated below:

1. 40 CFR 60.8(a), regarding the need to conduct performance tests within 60 days after achieving the maximum production rate but not later than 180 days after initial startup unless prevented by force majeure or the test is waived by the EPA;
2. 40 CFR 60.8(b), in which the EPA may approve waivers or the use of equivalent or alternate methods;
3. 40 CFR 60.8(c), which requires testing to be performed under conditions of representative performance;
4. 40 CFR 60.8(d), regarding the need to provide 30 days notice prior to testing;
5. 40 CFR 60.8(e), regarding test locations and safe access.

On a calendar year basis, the owner or operator shall submit to the DEC a certification stating 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 12: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.11, NSPS Subpart A**

**Item 12.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The rental boilers (Emission Sources RBOI1 and RBOI2) are subject to 40 CFR Part 60, Subpart Dc and the package



boiler (Emission Source BOI09) is subject to 40 CFR Part 60, Subpart Db. All three boilers are subject to the General Provisions, 40 CFR Part 60, Subpart A.

The owner or operator must comply with the provisions of 40 CFR 60.11 as indicated below:

1. 40 CFR 60.11(a), regarding the use of tests established by 40 CFR 60.8;
2. 40 CFR 60.11(b), requiring compliance with opacity to be determined in accordance with Method 9 of 40 CFR Part 60 Appendix A; and
3. 40 CFR 60.11(c), in that the opacity standard applies at all times except during periods of startup, shutdown or malfunction.

On an annual basis, the owner or operator shall submit to the DEC a certification stating whether a performance test has been performed and if so, the results of such tests and whether he or she has complied with these requirements.

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 13: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A**

**Item 13.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-CHP08

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The package boiler (Emission Source BOI09) is subject to 40 CFR Part 60, Subpart Db. This boiler is subject to the General Provisions, 40 CFR Part 60, Subpart A.

The owner or operator must comply with the provisions of



40 CFR 60.13 as indicated below:

1. 40 CFR 60.13(a), regarding compliance with 40 CFR Part 60, Appendices A and F.
2. 40 CFR 60.13(e), regarding the need to complete one measurement cycle every 15 minutes; and
4. 40 CFR 60.13(h), regarding the need to compute one hour averages.

On an annual basis, the owner or operator shall state whether a performance specification test (relative accuracy test audit) was completed on the NOx monitor, and if so, the results of such tests. The owner or operator shall also state 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 15: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.11201(a), Subpart JJJJJ**

**Item 15.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-CHP08

Process: B90

Emission Source: BOI09

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is applicable only to the package boiler.

1. The package boiler, emission source BOI09, is a new source and is subject to a particulate emission limit of 0.03 pounds per million Btu while firing oil. Compliance shall be demonstrated by conducting performance testing



according to 63.11212 and Table 4 of 40 CFR Part 63, Subpart 6J, in accordance with a site-specific test plan according to the requirements in 40 CFR 63.7(c). Compliance must be demonstrated within 180 calendar days after startup, according to 40 CFR 63.7(a)(2)(ix).

2. The owner or operator must conduct performance stack tests at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant, and the owner or operator must demonstrate initial compliance and establish the operating limits based on these performance stack tests. Following each performance stack test and until the next performance stack test, the owner or operator must comply with the operating limit for operating load conditions specified in Table 3 to this subpart.
3. The owner or operator must conduct a minimum of three separate test runs for each performance stack test required in this section, as specified in §63.7(e)(3) and in accordance with the provisions in Table 4 to this subpart.
4. To determine compliance with the emission limits, the owner or operator must use the F-Factor methodology and equations in sections 12.2 and 12.3 of EPA Method 19 of appendix A-7 to part 60 of this chapter to convert the measured particulate matter concentrations that result from the initial performance test to pounds per million Btu heat input emission rates.
5. Pursuant to 40 CFR 63.11220 (a), if the boiler has a heat input capacity of 10 million Btu per hour or greater, the owner or operator must conduct all applicable performance (stack) tests according to §63.11212 on an triennial basis, unless the owner or operator follows the requirements listed in paragraphs (b) through (d) of this condition. Triennial performance tests must be completed no more than 37 months after the previous performance test.
6. Pursuant to 40 CFR 63.11222(b), the owner or operator must report each instance in which the boiler did not meet the emission limit in Table 1 to 40 CFR Part 63, Subpart JJJJJ.
7. The owner or operator must keep records of the type and amount of fuels burned in the boiler during the reporting period.
8. Pursuant to 40 CFR 63.11201 and Table 2, the owner or

New York State Department of Environmental Conservation

Permit ID: 7-5007-00030/00049

Facility DEC ID: 7500700030



operator must minimize the boiler's startup and shutdown periods following the manufacturer's recommended procedures. If manufacturer's recommended procedures are not available, then follow recommended procedures for a unit of similar design for which manufacturer's recommended procedures are available.

9. Maintain the operating load at or below 110 percent of the average operating load recorded during the most recent performance stack test.

10. On an annual basis, the owner or operator must state in a report to the Department whether he or she complied with this condition.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.03 pounds per million Btus

Reference Test Method: EPA Methods 1 - 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.11201(b), Subpart JJJJJ**

**Item 16.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: R-ENTL

Process: RBO

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition is applicable to the rental boilers (emission sources RBO11 and RBO12).

The owner or operator must have a one-time energy assessment performed by a qualified energy assessor. The energy audit must be completed no later than March 21, 2014, or before they are removed, whichever is earlier, unless the owner or operator receives from EPA, in



writing, a waiver of this requirement.

The energy assessment must include:

- (1) A visual inspection of the boiler system,
- (2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints,
- (3) Inventory of major systems consuming energy from affected boiler(s),
- (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage,
- (5) A list of major energy conservation measures,
- (6) A list of the energy savings potential of the energy conservation measures identified,
- (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

On an annual basis, the owner or operator must state in a report to the Department whether he or she has complied with this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 17: Good air pollution control practices**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.11205(a), Subpart JJJJJ**

**Item 17.1:**

This Condition applies to:

Emission Unit: 1CHP08

Emission Unit: RENTL

**Item 17.2:**

At all times the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.



**Condition 18: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.11214(b), Subpart JJJJJJ**

**Item 18.1:**

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

Emission Unit: 1-CHP08

Emission Unit: R-ENTL

**Item 18.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This condition applies to the rental boilers, emission sources RBOI1 and RBOI2, and the package boiler, emission source BOI09.

1. The owner or operator of an existing or new oil-fired boiler must conduct a performance tune-up biennially according to 40 CFR §63.11223(b) and must submit a signed statement in the Notification of Compliance Status report that indicates that the owner or operator conducted such a tune-up of the boiler. The first tune-up for RBOI1 and RBOI2 is due March 21, 2012.
2. The owner or operator of an existing affected boiler with a heat input capacity of 10 million Btu per hour or greater must submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed and submit, upon request, the energy assessment report.
3. On an annual basis, the owner or operator must state in a report to the Department whether he or she 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 19: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**



**Applicable Federal Requirement: 40CFR 63.11223(b), Subpart JJJJJ**

**Item 19.1:**

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

Emission Unit: 1-CHP08  
Process: B9O

Emission Unit: R-ENTL  
Process: RBO

**Item 19.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For affected sources subject to the work practice standard or the management practices of a tune-up, the owner or operator must conduct a biennial performance tune-up according to paragraphs (b) of this condition and keep records as required in 40 CFR §63.11225(c) to demonstrate continuous compliance. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.

(b) the owner or operator must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in paragraphs (b)(1) through (7) of this condition.

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, but you must inspect each burner at least once every 36 months).

(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.

(4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.

(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and



oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).

(6) Maintain onsite and submit, if requested by the Administrator, biennial report containing the information in paragraphs (b)(6)(i) through (iii) of this section.

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler.

(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

(iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.

On an annual basis, the owner or operator must state in a report to the Department 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 14: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.11225, Subpart JJJJJ**

**Item 14.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The rental boilers and the package boilers are subject to 40 CFR Part 63, Subpart JJJJJ. The owner or operator must comply with the notification, reporting, and recordkeeping requirements of 40 CFR 63.11225 and 40 CFR Part 63, Subpart A as specified in Table 8 to Subpart JJJJJ of Part 63.



1. The owner or operator must submit all of the notifications in 40 CFR Sections 63.7(b); 63.8(e) and (f); 63.9(b) through (e); and 63.9(g) and (h).
2. The owner or operator must submit the initial notification within 120 days after the source becomes subject to the standard.
3. The owner or operator must submit a notification of intent to conduct a performance test at least 60 days before the test is scheduled to begin.
4. The owner or operator must submit a notification of compliance status.
5. The owner or operator must submit an annual compliance certification.
6. The owner or operator must maintain the records specified in 40 CFR 63.11225(c) in a form suitable and readily available for expeditious review.
7. The owner or operator must submit particulate performance test data electronically. See <http://www.epa.gov/ttn/chief/ert/index.html>.

On an annual basis, the owner or operator shall submit to the DEC a statement of whether he or she has complied with 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).

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

**Condition 20: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

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

**Item 20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CHP08



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

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition applies to package boiler (emission source BOI09) prior to July 1, 2014.

1. No owner or operator shall cause or allow emissions of NO<sub>x</sub> (expressed as NO<sub>2</sub>) from this large-sized package boiler in excess of 0.30 pounds NO<sub>x</sub> per million Btu, based on a 24 hour Btu-weighted daily average from May 1 to September 30 of each year, and on a 30 day Btu-weighted rolling average from October 1 to April 30 .

2. Emissions shall be monitored with a continuous emission monitoring system installed, operated and maintained as described elsewhere in this permit.

3. The owner or operator must submit for department approval a CEMS certification protocol at least 60 days prior to compliance testing. The certification protocol must include the location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation, and data reporting.

4. The owner or operator must install, calibrate, maintain, and operate a CEMS for measuring NO<sub>x</sub> at locations approved in the CEMS certification protocol under paragraph (3) of this condition, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the relevant NO<sub>x</sub> emission limit under section 227- 2.4 of this Subpart:

(i) The owner or operator of an emission source must:

(a) calculate all 24-hour daily heat input-weighted average NO<sub>x</sub> emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO<sub>x</sub> per million Btu;

(b) demonstrate compliance by using a CEMS for measuring NO<sub>x</sub> and calculating a 24-hour daily heat input-weighted average NO<sub>x</sub> emission rate. Facilities that are not subject



to 40 CFR part 75 may calculate their NO<sub>x</sub> emission rate using either 40 CFR part 60, appendix A, method 19 or 40 CFR part 75. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1st to April 30th; and

(c) determine the 24-hour daily heat input-weighted average NO<sub>x</sub> emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 AM to 12:00 AM the following day using CEMS data. The block hourly heat input-weighted average emission rate must be calculated for each one-hour period starting with the period 12:00 AM to 1:00 AM and continuing through until the last period 11:00 PM to 12:00 AM; or, starting with the period 12:00 PM to 1:00 PM and continuing through the last period 11:00 AM to 12:00 PM. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NO<sub>x</sub> emission rate.

(ii) The owner or operator of an emission source subject to paragraph (a)(4) of this section must calculate:

(a) block hourly arithmetic average emission rates using data points generated by CEMS and expressed in terms of parts per million on a dry volume basis, corrected to 15 percent oxygen; and

(b) block hourly arithmetic average emission rates for the periods starting 12:00 AM to 1:00 AM, 1:00 AM to 2:00 AM, and so on.

(iii) At a minimum, valid CEMS data must be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operating.

(iv) All valid CEMS data must be used in calculating emission rates even if the minimum data requirements of subparagraph (iii) of this paragraph are not met.

(v) The procedures under 40 CFR part 60, appendix B, Performance Specification 2; and any additional criteria specified by the department must be followed for the installation, evaluation, and operation of the CEMS.

(vi) Along with any specific additional data requirements mandated by the department for a particular emission source, annual recertifications, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR part 60, appendix F or 40 CFR part



75, as applicable.

(vii) When NO<sub>x</sub> emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NO<sub>x</sub> emission data collected over the last 180 days. Alternatively the owner or operator of a facility subject to part CFR 75 may use 40 CFR part 75 data substitution procedures for periods when no valid CEMS data is available.

5. CEMS recordkeeping and reporting requirements.

(i) The owner or operator of an emission source must notify the department of the planned initial start-up date of any new CEMS.

(ii) Protocols, reports, summaries, compliance plans and schedules, and any other information required to be submitted to the department under provisions of this Subpart must be sent (in either hardcopy or electronically) as follows:

(a) one copy to the Division of Air Resources, New York State Department of Environmental Conservation, 625 Broadway, Albany, NY 12233; and

(b) one copy to the regional air pollution control engineer at the appropriate regional office of the department.

(iii) Emissions, monitoring, and operating parameter records or measurements required by this Subpart, quarterly and annual summaries, and any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.

(iv) Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding three months (including but not limited to type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NO<sub>x</sub> emission rate and the allowable NO<sub>x</sub> emission rate). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:

(a) the average NO<sub>x</sub> emission rates as specified under paragraph (4) of this condition. (Emission sources are to record and tabulate block hourly average emission rates,



but do not need to included the block hourly average emission rates in the quarterly summaries);

(b) identification of the operating hours when NOx emissions data are not included in the calculation of the average emission rate and the reasons for not including that data; and

(c) the results of accuracy assessments as required by 40 CFR part 60, appendix F and any additional data quality information required by the department.

(v) The owner or operator of an emission source must submit the initial compliance test data, the performance evaluation of the CEMS found in 40 CFR part 60, appendix B, and the maximum heat input capacity.

Manufacturer Name/Model Number: Not specified at time of application

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.30 pounds per million Btus

Reference Test Method: Continuous Emissions Monitors

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

**Condition 21: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.44b, NSPS Subpart Db**

**Item 21.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CHP08

Regulated Contaminant(s):

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

**Item 21.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1. On and after the date on which the initial performance test is completed or is required to be completed under



§60.8, the owner or operator shall not cause or allow to be discharged into the atmosphere from Boiler 9 any gases that contain NO<sub>x</sub> (expressed as NO<sub>2</sub>) in excess of 0.10 lb NO<sub>x</sub> per million Btu.

2. Pursuant to 40 CFR 60.48b(b) the owner or operator shall install, calibrate, maintain, and operate CEMS for measuring NO<sub>x</sub> and O<sub>2</sub>(or CO<sub>2</sub>) emissions discharged to the atmosphere, and shall record the output of the system. The span value shall be determined according to section 2.1.2 in 40 CFR Part 75, Appendix A.

3. Pursuant to 40 CFR 60.48b(c) the CEMS required under Item 2 of this condition shall be operated and data recorded during all periods of operation of the affected facility except for CEMS breakdowns and repairs. Data are recorded during calibration checks, and zero and span adjustments.

4. The 1-hour average NO<sub>x</sub> emission rates measured by the continuous NO<sub>x</sub> monitor shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the average emission rates. The 1-hour averages shall be calculated using the data points required under §60.13(h)(2).

5. The procedures under §60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems.

7. The owner shall comply with the quality assurance procedures of 40 CFR Part 60, Appendix F.

8. The owner or operator shall maintain records and submit reports of the following information for each steam generating unit operating day:

(1) Calendar date;

(2) The average hourly NO<sub>x</sub> emission rates (expressed as NO<sub>2</sub>) (ng/J or lb/MMBtu heat input) measured;

(3) The 30-day average NO<sub>x</sub> emission rates (ng/J or lb/MMBtu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days;

(4) Identification of the steam generating unit operating days when the calculated 30-day average NO<sub>x</sub> emission rates are in excess of the NO<sub>x</sub> emissions standards under §60.44b, 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 "F" factor used for calculations, method of determination, and type of fuel combusted;

(8) Identification of the times when the pollutant concentration exceeded full span of the CEMS;

(9) Description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specification 2 or 3; and

(10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1 of this part.

9. Reports shall be submitted semi-annually.

Manufacturer Name/Model Number: Not specified at time of application  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.10 pounds per million Btus  
Reference Test Method: EPA Method 7E and 19  
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 1/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 22: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

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

**Item 22.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CHP08  
Process: B90

**Item 22.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 7-5007-00030/00049**

**Facility DEC ID: 7500700030**



Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

This condition applies to Boiler 9, which is subject to 40 CFR Part 60, Subpart Db, while combusting very low sulfur oil. A more stringent limit applies elsewhere in this permit. This does not waive the requirement to comply with the more stringent limit.

1. The owner or operator shall combust only very low sulfur oil or natural gas or a combination of these fuels in Emission Source BOI09 (Boiler 9). Very low sulfur oil means oil that contains no more than 0.30 weight percent sulfur or that has a SO<sub>2</sub> emission rate equal to or less than 0.32 lb/mmBtu heat input (See: 40 CFR §60.41b).
2. The owner or operator shall demonstrate that the oil meets the definition of very low sulfur oil by maintaining fuel records as described in 40 CFR §60.49b(r).
3. The owner or operator shall obtain and maintain at the affected facility fuel receipts from the fuel supplier that certify that the oil meets the definition of distillate oil and gaseous fuel meets the definition of natural gas as defined in §60.41b and the applicable sulfur limit. For the purposes of this condition, the distillate oil need not meet the fuel nitrogen content specification in the definition of distillate oil in 40 CFR Subpart Db.
4. The Sulfur standard applies at all times. See 60.45b(a).
5. On a semi-annual calendar year basis, reports shall be submitted to the Administrator and the Department certifying that only very low sulfur oil, meeting this definition, and natural gas were combusted in the affected facility during the reporting period.

Manufacturer Name/Model Number: Vendor Certifications

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL  
CHANGE

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 1/30/2012.  
Subsequent reports are due every 6 calendar month(s).

**Condition 23: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

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

**Item 23.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CHP08  
Process: B9O

**Item 23.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping - Opacity Measurements

Pursuant to 40 CFR 60.49b, the owner or operator shall maintain records of opacity. In addition, an owner or operator that elects to monitor emissions according to the requirements in §60.48b(a) shall maintain records according to the requirements specified in paragraphs (1) and (2) of this Item, as applicable to the visible emissions monitoring method used.

(1) For each performance test conducted using Method 9 of 40 CFR Part 60, appendix A-4, the owner or operator shall keep the records including the information specified in paragraphs (1)(i) through (iii) of this condition.

(i) Dates and time intervals of all opacity observation periods;

(ii) Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and

(iii) Copies of all visible emission observer opacity field data sheets;

(2) For each performance test conducted using Method 22 of 40 CFR Part 60, appendix A-4, the owner or operator shall keep the records including the information specified in paragraphs (2)(i) through (iv) of this condition.

(i) Dates and time intervals of all visible emissions observation periods;

(ii) Name and affiliation for each visible emission observer participating in the performance test;

(iii) Copies of all visible emission observer opacity field data sheets; and

(iv) Documentation of any adjustments made and the time



the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.

On an annual basis, the owner or operator shall submit to the Department a report stating whether he or she has complied with this request.

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 24: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

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

**Item 24.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CHP08

Process: B9O

**Item 24.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to Boiler 9, which is subject to 40 CFR Part 60, Subpart Db, while combusting very low sulfur oil.

1. Pursuant to 40 CFR 60.43b(f), on and after the date on which the initial performance test is completed or is required to be completed under §60.8, whichever date comes first, no owner or operator shall 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 when combusting oil or mixtures of oil and natural gas. 40 CFR 60.43b(g) and 60.46b(a).

2. The opacity standard applies at all times, except during periods of startup, shutdown, or malfunction.

3. Pursuant to 40 CFR 60.48b(j), the owner or operator is not required to install or operate a continuous opacity



monitor if he or she complies with Item 3(a) or 3(b) below:

(a) The affected facility burns only liquid (excluding residual oil) or gaseous fuels with potential SO<sub>2</sub> emissions rates of 26 ng/J (0.060 lb/MMBtu) or less and does not use a post-combustion technology to reduce SO<sub>2</sub> or PM emissions. The owner or operator must maintain fuel records of the sulfur content of the fuels burned, as described under §60.49b(r); or

(b) The affected facility burns only gaseous fuels or fuel oils that contain less than or equal to 0.30 weight percent sulfur and operates according to a written site-specific monitoring plan approved by the permitting authority. This monitoring plan must include procedures and criteria for establishing and monitoring specific parameters for the affected facility indicative of compliance with the opacity standard.

Not later than 60 days after commencing operation, the owner or operator shall submit to the Department a statement whether it will comply with Item 3(a) or 3(b) of this condition. If the owner or operator elects to comply with Item 3(b), the owner or operator shall submit to the Department a monitoring plan no later than 60 days after commencing operation.

4. Pursuant to 40 CFR 60.46b(d) and 40 CFR Part 60.8, no later than 60 days after achieving maximum load, but no later than 180 days after commencing operation, whichever is earlier, the owner or operator shall conduct visible emission readings of opacity from the operation of Boiler 9 using 40 CFR Part 60, Appendix A, Method 9. Such testing shall be conducted in accordance with a protocol approved by the Department. A report of the results of such testing shall be submitted to the Department no later than 60 days after completion of such testing.

In the event that visible emissions readings cannot be taken, the owner or operator may request that such testing be waived by the Administrator of the EPA.

5. On a semi-annual basis, the owner or operator shall submit to the Department a report stating whether visible emissions testing was conducted, and the results of such testing; whether the monitoring plan required in Item 3(b) was followed; and whether oil with a potential emission rate in excess of 0.060 lb/mmBtu was combusted.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent

**New York State Department of Environmental Conservation**

**Permit ID: 7-5007-00030/00049**

**Facility DEC ID: 7500700030**



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 25: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.48b(a), NSPS Subpart Db**

**Item 25.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CHP08

Process: B9O

**Item 25.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

a) The owner or operator of an affected facility subject to an opacity standard under §60.43b and meeting the conditions under paragraphs (j)(1), (2), (3), (4), or (5) of this section who elects not to use a COMS shall conduct a performance test using Method 9 of 40 CFR Part 60, appendix A-4 and the procedures in §60.11 to demonstrate compliance with the applicable limit within 180 days after initial startup of the facility, whichever is later, and shall comply with either paragraphs (a)(1), (a)(2), or (a)(3) of this condition. The observation period for Method 9 of appendix A-4 of this part performance tests may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

(1) Except as provided in paragraph (a)(2) and (a)(3) of this section, the owner or operator shall conduct subsequent Method 9 performance tests using the procedures in paragraph (a) of this condition according to the applicable schedule in paragraphs (a)(1)(i) through (a)(1)(iv) of this section, as determined by the most recent Method 9 performance test results.

(i) If no visible emissions are observed, a subsequent Method 9 performance test must be completed within 12



calendar months from the date that the most recent performance test was conducted;

(ii) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed within 6 calendar months from the date that the most recent performance test was conducted;

(iii) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed within 3 calendar months from the date that the most recent performance test was conducted; or

(iv) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed within 45 calendar days from the date that the most recent performance test was conducted.

(2) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using Method 22 of 40 CFR Part 60 appendix A-7 according to the procedures specified in paragraphs (a)(2)(i) and (ii) of this section.

(i) The owner or operator shall conduct 10 minute observations (during normal operation) each operating day the affected facility fires fuel for which an opacity standard is applicable using Method 22 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period ( i.e. , 30 seconds per 10 minute period). If the sum of the occurrence of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrence of visible emissions is greater than 5 percent of the observation period ( i.e., 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrence of visible emissions is equal to or less than 5 percent during a 30 minute observation ( i.e., 90 seconds) or conduct a new Method 9 performance test using the procedures in paragraph (a) of this section within 45 calendar days according to the requirements in §60.46d(d)(7).

(ii) If no visible emissions are observed for 30 operating



days during which an opacity standard is applicable, observations can be reduced to once every 7 operating days during which an opacity standard is applicable. If any visible emissions are observed, daily observations shall be resumed.

(3) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in paragraph (a)(2) of this section. For reference purposes in preparing the monitoring plan, see OAQPS "Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems." This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

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 26: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (c) (1) (i)**

**Item 26.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: R-ENTL

Regulated Contaminant(s):

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

**Item 26.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



This condition applies to rental boilers (emission sources RBOI1 and RBOI2). The boilers are expected to be removed prior to July 1, 2014.

1. No owner or operator shall cause or allow emissions of NO<sub>x</sub> (expressed as NO<sub>2</sub>) from either mid-sized rental boiler in excess of 0.12 pounds NO<sub>x</sub> per million Btu, based on a one hour average.
2. Emission testing shall be conducted no later than 60 days after commencing operation and at any other time when requested by the EPA or the Department.
3. The owner or operator shall submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the Department.
4. The owner or operator must follow the procedures set forth in 6 NYCRR part 202 and use the method 7, 7E, or equivalent, and method 19 from 40 CFR Part 60, Appendix A.
5. The owner or operator shall submit to the Department a compliance test report containing the results of the emission test to the Department for approval no later than 60 days after completion of the emission test.
6. On an annual basis, the owner or operator shall submit to the Department a report stating whether he or she has complied with this condition.

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: EPA Method 7E or equivalent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

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 27: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

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

**Item 27.1:**

The Compliance Demonstration activity will be performed for:



Emission Unit: R-ENTL

**Item 27.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:
  - (i) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
  - (ii) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.
2. The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits of §60.42c and the opacity limits of §60.43c, shall submit to the Administrator the performance test data from the initial and any subsequent performance tests.
3. In addition to the applicable requirements in §60.7, the owner or operator of an affected facility subject to the opacity limits in §60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period.
4. For each performance test conducted using Method 9 of 40 CFR Part 60, appendix A-4, the owner or operator shall keep the records including the information specified in paragraphs 4(i) through (iii) of this condition.
  - (i) Dates and time intervals of all opacity observation periods;
  - (ii) Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and
  - (iii) Copies of all visible emission observer opacity field data sheets;
5. For each performance test conducted using Method 22 of 40 CFR Part 60 appendix A-4, the owner or operator shall keep the records including the information specified in paragraphs 5(i) through (iv) of this condition.
  - (i) Dates and time intervals of all visible emissions observation periods;
  - (ii) Name and affiliation for each visible emission observer participating in the performance test;



- (iii) Copies of all visible emission observer opacity field data sheets; and
  - (iv) Documentation of any adjustments made and the time the adjustments were completed to the affected facility operation by the owner or operator to demonstrate compliance with the applicable monitoring requirements.
6. For each digital opacity compliance system, the owner or operator shall maintain records and submit reports according to the requirements specified in the site-specific monitoring plan approved by the Administrator
7. The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit reports to the Administrator.
8. All records required under 40 CFR Part 60, Subpart Dc shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.
9. The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and the Department and shall be postmarked by the 30th day following the end of the reporting 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 1/30/2012.

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

**Condition 28: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

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

**Item 28.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: R-ENTL

Process: RBO

**Item 28.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

This condition applies to fuel oil firing in any of the two rental boilers. A more stringent limit applies elsewhere in this permit. This does not waive the requirement to comply with the more stringent limit.

1. On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO<sub>2</sub> in excess of 215 ng/J (0.50 lb/MMBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements under 40 CFR Part 60, Subpart Dcare not applicable to these boilers .

2. Pursuant to 40 CFR 60.42c(h), compliance with the emission limits or fuel oil sulfur limits under this section shall be determined based on a certification from the fuel supplier. See 40 CFR §60.48c(f). The initial performance test shall consist of the certification from the fuel supplier.

3. The owner or operator shall keep records and submit reports to the Administrator and the Department, including the following information, as applicable.

a) Calendar dates covered in the reporting period.

b) Records of fuel supplier certification. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

c) Fuel supplier certification shall include the following information:

(i) The name of the oil supplier;

(ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c; and

(iii) The sulfur content or maximum sulfur content of the oil.

4. The fuel oil sulfur limit applies at all times,



including periods of startup, shutdown and malfunction.

5. Reports shall be submitted semi-annually.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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 29: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

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

**Item 29.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: R-ENTL

Process: RBO

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 29.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1. Pursuant to 40 CFR 60.43c(c), on and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, the owner or operator shall not cause or allow to be discharged into the atmosphere from the rental boilers 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. The opacity standard applies at all times, except during periods of startup, shutdown or malfunction.

2. The owner or operator is not required to operate and maintain a continuous opacity monitor if he or she combusts only distillate oil that contains no more than 0.5 weight percent sulfur and he or she follows the applicable procedures in 40 CFR 60.48c(f). See 40 CFR 60.47c(c).

3. Compliance with this condition shall be determined using visible emission observations. The owner or operator shall conduct a performance test using Method 9



of 40 CFR Part 60, appendix A-4 and the procedures in 40 CFR §60.11 to demonstrate compliance with the applicable limit in §60.43c no later than 180 days after initial startup of the facility, and shall comply with either paragraphs 3(a), (b), or (c) of this condition. The observation period for Method 9 performance tests may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10 percent and all individual 15-second observations are less than or equal to 20 percent during the initial 60 minutes of observation.

3(a) Except as provided in paragraph 3(b) and 3(c) of this condition, the owner or operator shall conduct subsequent Method 9 performance tests using the applicable schedule in paragraphs 3(a)(i) through 3(a)(iv) of this condition, as determined by the most recent Method 9 performance test results.

(i) If no visible emissions are observed, a subsequent Method 9 performance test must be completed within 12 calendar months from the date that the most recent performance test was conducted;

(ii) If visible emissions are observed but the maximum 6-minute average opacity is less than or equal to 5 percent, a subsequent Method 9 performance test must be completed within 6 calendar months from the date that the most recent performance test was conducted;

(iii) If the maximum 6-minute average opacity is greater than 5 percent but less than or equal to 10 percent, a subsequent Method 9 performance test must be completed within 3 calendar months from the date that the most recent performance test was conducted; or

(iv) If the maximum 6-minute average opacity is greater than 10 percent, a subsequent Method 9 performance test must be completed within 45 calendar days from the date that the most recent performance test was conducted.

3(b) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using Method 22 of 40 CFR Part 60, appendix A-7 according to the procedures specified in paragraphs 3(b)(i) and (ii) of this condition.

(i) The owner or operator shall conduct 10 minute observations (during normal operation) each operating day



the affected facility fires fuel for which an opacity standard is applicable using Method 22 and demonstrate that the sum of the occurrences of any visible emissions is not in excess of 5 percent of the observation period ( i.e. , 30 seconds per 10 minute period). If the sum of the occurrence of any visible emissions is greater than 30 seconds during the initial 10 minute observation, immediately conduct a 30 minute observation. If the sum of the occurrence of visible emissions is greater than 5 percent of the observation period ( i.e., 90 seconds per 30 minute period), the owner or operator shall either document and adjust the operation of the facility and demonstrate within 24 hours that the sum of the occurrence of visible emissions is equal to or less than 5 percent during a 30 minute observation ( i.e., 90 seconds) or conduct a new Method 9 performance test within 45 calendar days according to the requirements in 40 CFR §60.45c(a)(8).

(ii) If no visible emissions are observed for 30 operating days during which an opacity standard is applicable, observations can be reduced to once every 7 operating days during which an opacity standard is applicable. If any visible emissions are observed, daily observations shall be resumed.

3(c) If the maximum 6-minute opacity is less than 10 percent during the most recent Method 9 performance test, the owner or operator may, as an alternative to performing subsequent Method 9 performance tests, elect to perform subsequent monitoring using a digital opacity compliance system according to a site-specific monitoring plan approved by the Administrator. The observations shall be similar, but not necessarily identical, to the requirements in paragraph (a)(2) of this section. For reference purposes in preparing the monitoring plan, see OAQPS “Determination of Visible Emission Opacity from Stationary Sources Using Computer-Based Photographic Analysis Systems.” This document is available from the U.S. Environmental Protection Agency (U.S. EPA); Office of Air Quality and Planning Standards; Sector Policies and Programs Division; Measurement Policy Group (D243-02), Research Triangle Park, NC 27711. This document is also available on the Technology Transfer Network (TTN) under Emission Measurement Center Preliminary Methods.

4. The owner or operator of an affected facility subject to the opacity standards under §60.43c shall conduct an initial performance test as required under §60.8, and shall conduct subsequent performance tests as requested by the Administrator or the DEC, to determine compliance with the standards using Method 9 of 40 CFR Part 60, appendix A-4.



5. On a semi-annual basis, the owner or operator shall submit to the Department a report stating whether testing was conducted, and if so, the results of such tests.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Methods 9 or 22

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 30: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

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

**Item 30.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-CHP08

Process: B9O

Emission Unit: R-ENTL

Process: RBO

**Item 30.2:**

Compliance Demonstration 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: EPA Method 9  
Monitoring Frequency: WEEKLY  
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).



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

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

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

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**



**Condition 31: Contaminant List**

**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable State Requirement:ECL 19-0301**

**Item 31.1:**

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

CAS No: 000124-38-9  
Name: CARBON DIOXIDE

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

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

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

CAS No: 0NY075-02-5  
Name: PM 2.5

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

**Condition 32: Unavoidable noncompliance and violations**

**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 201-1.4**

**Item 32.1:**

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 33: Emission Unit Definition**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 33.1:**

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

Emission Unit: 1-CHP08

Emission Unit Description:

This Emission Unit consists a 200 mmBtu/hr package boiler equipped with flue gas recirculation. This emission source, together with emission sources from the rental boiler emission unit, is subject to emission caps.

Building(s): 5510B

**Item 33.2:**

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

Emission Unit: R-ENTL

Emission Unit Description:

This Emission Unit consists of two rental boilers. Only



distillate oil is allowed to be combusted in these boilers. The boilers are equipped with low NOx burners and flue gas recirculation. These emission sources are subject to emission caps. The owner or operator of these boilers shall not cause or allow emissions in excess of the thresholds in 6 NYCRR 231-13.6, Table 6.

Building(s): 5510B

**Condition 34: Visible Emissions Limited**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 34.1:**

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.

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

**Condition 35: Process Definition By Emission Unit**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 35.1:**

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

Emission Unit: 1-CHP08  
Process: B9G Source Classification Code: 1-02-006-01  
Process Description:  
Gas firing in a 200 mmBtu/hr dual fuel package boiler,  
Emission Source BOI09.

Emission Source/Control: BOI09 - Combustion  
Design Capacity: 200 million Btu per hour

**Item 35.2:**

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

Emission Unit: 1-CHP08  
Process: B9O Source Classification Code: 1-02-005-01  
Process Description:  
Distillate oil firing in a dual fuel package boiler,  
Emission Source BOI09.

Emission Source/Control: BOI09 - Combustion  
Design Capacity: 200 million Btu per hour



**Item 35.3:**

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

Emission Unit: R-ENTL  
Process: RBO Source Classification Code: 1-02-005-01  
Process Description:  
Combustion of low sulfur (less than 0.5 weight percent)  
distillate oil in rental boilers.

Emission Source/Control: RBOI1 - Combustion  
Design Capacity: 96 million Btu per hour

Emission Source/Control: RBOI2 - Combustion  
Design Capacity: 96 million Btu per hour

**Condition 36: Compliance Demonstration**  
**Effective between the dates of 09/29/2011 and Permit Expiration Date**

**Applicable State Requirement: 6 NYCRR 227-2.4 (b) (1) (ii)**

**Item 36.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CHP08

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

**Item 36.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:

This condition applies to package boiler (emission source BOI09) on and after July 1, 2014.

1. No owner or operator shall cause or allow emissions of NO<sub>x</sub> (expressed as NO<sub>2</sub>) from this large-sized package boiler in excess of 0.15 pounds NO<sub>x</sub> per million Btu, based on a 24 hour Btu-weighted daily average from May 1 to September 30 of each year, and on a 30 day Btu-weighted rolling average from October 1 to April 30 .

2. The owner or operator of an emission source that monitors NO<sub>x</sub> emissions with a CEMS or equivalent monitoring system must submit for department approval:

(i) a CEMS plan as part of its application for a permit or permit modification if a CEMS has already been installed, or if a CEMS is in the process of being procured or



installed;

(ii) a CEMS plan at least 180 days prior to equipment installation. The department will notify the owner or operator of the acceptability of the plan, at least 60 days prior to equipment installation if it is not covered under subparagraph (i) of this paragraph; or

(iii) a proposed plan for a monitoring system that is equivalent to a CEMS.

3. The owner or operator must submit for department approval a CEMS certification protocol at least 60 days prior to compliance testing. The certification protocol must include the location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation, and data reporting.

4. The owner or operator must install, calibrate, maintain, and operate a CEMS for measuring NO<sub>x</sub> at locations approved in the CEMS certification protocol under paragraph (3) of this condition, and must record the output of each such system. The following procedures and test methods must be used for determining compliance with the relevant NO<sub>x</sub> emission limit under section 227-2.4 of this Subpart:

(i) The owner or operator of an emission source must:

(a) calculate all 24-hour daily heat input-weighted average NO<sub>x</sub> emission rates from block hourly arithmetic emission rate averages calculated by the CEMS and expressed in terms of pounds of NO<sub>x</sub> per million Btu;

(b) demonstrate compliance by using a CEMS for measuring NO<sub>x</sub> and calculating a 24-hour daily heat input-weighted average NO<sub>x</sub> emission rate. Facilities that are not subject to 40 CFR part 75 may calculate their NO<sub>x</sub> emission rate using either 40 CFR part 60, appendix A, method 19 or 40 CFR part 75. A 30-day rolling heat input-weighted average emission rate may be used to demonstrate compliance with the appropriate emission limit under section 227-2.4 of this Subpart from October 1st to April 30th; and

(c) determine the 24-hour daily heat input-weighted average NO<sub>x</sub> emission rate based on the heat input-weighted average of the block hourly arithmetic average emission rates during each 24-hour daily period from 12:00 AM to 12:00 AM the following day using CEMS data. The block



hourly heat input-weighted average emission rate must be calculated for each one-hour period starting with the period 12:00 AM to 1:00 AM and continuing through until the last period 11:00 PM to 12:00 AM; or, starting with the period 12:00 PM to 1:00 PM and continuing through the last period 11:00 AM to 12:00 PM. The 30-day rolling heat input-weighted average must be the average of the 24-hour daily heat input-weighted NOx emission rate.

(ii) The owner or operator of an emission source subject to paragraph (a)(4) of this section must calculate:

(a) block hourly arithmetic average emission rates using data points generated by CEMS and expressed in terms of parts per million on a dry volume basis, corrected to 15 percent oxygen; and

(b) block hourly arithmetic average emission rates for the periods starting 12:00 AM to 1:00 AM, 1:00 AM to 2:00 AM, and so on.

(iii) At a minimum, valid CEMS data must be obtained for 90 percent of the operating hours in each calendar quarter that the subject facility is operating.

(iv) All valid CEMS data must be used in calculating emission rates even if the minimum data requirements of subparagraph (iii) of this paragraph are not met.

(v) The procedures under 40 CFR part 60, appendix B, Performance Specification 2; and any additional criteria specified by the department must be followed for the installation, evaluation, and operation of the CEMS.

(vi) Along with any specific additional data requirements mandated by the department for a particular emission source, annual recertifications, quarterly accuracy, and daily calibration drift tests must be performed in accordance with 40 CFR part 60, appendix F or 40 CFR part 75, as applicable.

(vii) When NOx emissions data are not obtained because of CEMS downtime, emission data shall be obtained by using the 90th percentile value of all CEMS NOx emission data collected over the last 180 days. Alternatively the owner or operator of a facility subject to part CFR 75 may use 40 CFR part 75 data substitution procedures for periods when no valid CEMS data is available.

5. CEMS recordkeeping and reporting requirements.



- (i) The owner or operator of an emission source must notify the department of the planned initial start-up date of any new CEMS.
- (ii) Protocols, reports, summaries, compliance plans and schedules, and any other information required to be submitted to the department under provisions of this Subpart must be sent (in either hardcopy or electronically) as follows:
  - (a) one copy to the Division of Air Resources, New York State Department of Environmental Conservation, 625 Broadway, Albany, NY 12233; and
  - (b) one copy to the regional air pollution control engineer at the appropriate regional office of the department.
  - (iii) Emissions, monitoring, and operating parameter records or measurements required by this Subpart, quarterly and annual summaries, and any additional parameters required by the department must be maintained for at least five years and made available to the department upon request.
  - (iv) Following each calendar quarter, the owner or operator must tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding three months (including but not limited to type and amount of fuel burned on a daily basis, heat content of the fuel, total heating value of the fuel consumed on a daily basis, the actual NO<sub>x</sub> emission rate and the allowable NO<sub>x</sub> emission rate). These records must be submitted to the department within 30 days following the end of each calendar quarter in a format acceptable to the department and must include:
    - (a) the average NO<sub>x</sub> emission rates as specified under paragraph (3) of this subdivision. (Emission sources are to record and tabulate block hourly average emission rates, but do not need to included the block hourly average emission rates in the quarterly summaries);
    - (b) identification of the operating hours when NO<sub>x</sub> emissions data are not included in the calculation of the average emission rate and the reasons for not including that data; and
    - (c) the results of accuracy assessments as required by 40 CFR part 60, appendix F and any additional data quality information required by the department.

**New York State Department of Environmental Conservation**

**Permit ID: 7-5007-00030/00049**

**Facility DEC ID: 7500700030**



(v) The owner or operator of an emission source must submit the initial compliance test data, the performance evaluation of the CEMS found in 40 CFR part 60, appendix B, and the maximum heat input capacity.

Manufacturer Name/Model Number: Thermo Environmental

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.15 pounds per million Btus

Reference Test Method: Continuous Emission Monitors

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

