

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2620400064**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 2-6204-00064/00007  
Effective Date: 11/07/2005                      Expiration Date: No expiration date

Permit Issued To: SOCIETY OF NEW YORK HOSPITAL  
525 EAST 68TH ST  
NEW YORK, NY 10021-4873

Facility: NY - PRESBYTERIAN HOSPITAL-525 E 68TH ST  
525 EAST 68TH ST  
NEW YORK, NY 10021

Contact: PAUL SCHWABACHER  
NY PRESBYTERIAN HOSPITAL  
525 EAST 68TH STREET  
NEW YORK, NY 10021  
(212) 746-1954

Description:  
NEW YORK PRESBYTERIAN HOSPITAL (NYPH) DOWNTOWN CAMPUS OPERATES EMISSION SOURCES THAT INCLUDE THREE BOILERS, EIGHT EMERGENCY GENERATORS, NINE FUEL OIL STORAGE TANKS AND FUME HOODS. THE HOSPITAL IS PLANNING TO INSTALL A NEW 137.8 MMBTU/HR NEBRASKA (OR EQUIVALENT) BOILER. THIS APPLICATION IS BEING SUBMITTED TO OBTAIN A PERMIT TO CONSTRUCT THE NEW BOILER IN COMPLIANCE WITH 6 NYCRR PART 201.5.

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: JOHN F CRYAN  
DIVISION OF ENVIRONMENTAL PERMITS  
ONE HUNTERS POINT PLAZA, 47-40 21ST STREET  
LONG ISLAND CITY, NY 11101-5407

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal-REGION 2

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 and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**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



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transfer of ownership.

**Condition 4: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 4.1:**

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

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

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

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 2 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997



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

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

**IDENTIFICATION INFORMATION**

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525 EAST 68TH ST  
NEW YORK, NY 10021-4873

Facility: NY - PRESBYTERIAN HOSPITAL-525 E 68TH ST  
525 EAST 68TH ST  
NEW YORK, NY 10021

Authorized Activity By Standard Industrial Classification Code:  
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Permit Effective Date: 11/07/2005

Permit Expiration Date: No expiration date.



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 6NYCRR 201-6.5(g): Non Applicable requirements
- \*2 6NYCRR 201-7: Capping Monitoring Condition
- \*3 6NYCRR 201-7: Capping Monitoring Condition
- \*4 6NYCRR 201-7: Capping Monitoring Condition
- 5 6NYCRR 225.1(a)(3): Compliance Demonstration
- 6 6NYCRR 227-1.4(b): Compliance Demonstration

**Emission Unit Level**

- 7 6NYCRR 201-7: Emission Unit Permissible Emissions
- 8 6NYCRR 201-7: Process Permissible Emissions

**EU=U--TEMP**

- 9 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 10 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 11 40CFR 60.13(h), NSPS Subpart A: Compliance Demonstration
- 12 40CFR 60.45b(j), NSPS Subpart Db: Compliance Demonstration

**EU=U--TEMP,Proc=0T1,ES=S00T9**

- 13 40CFR 60.48b(c), NSPS Subpart Db: Compliance Demonstration
- 14 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NOx during CEMS downtime

**EU=U--TEMP,Proc=0T2,ES=S00T9**

- 15 40CFR 60.48b(c), NSPS Subpart Db: Compliance Demonstration
- 16 40CFR 60.48b(f), NSPS Subpart Db: Use of alternative methods for measuring NOx during CEMS downtime

**EU=U--TEMP,EP=TEMP1**

- 17 6NYCRR 227-1.3(a): Compliance Demonstration

**EU=U--TEMP,EP=TEMP1,Proc=0T1,ES=S00T9**

- \*18 6NYCRR 201-7: Capping Monitoring Condition
- \*19 6NYCRR 201-7: Capping Monitoring Condition
- 20 6NYCRR 227-2.4(b)(1): Compliance Demonstration
- 21 6NYCRR 227-2.6(c): Compliance Demonstration
- 22 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 23 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 24 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 25 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
- 26 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report



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- 27 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 28 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 29 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 30 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 31 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 32 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 33 40CFR 60.9, NSPS Subpart A: Availability of information.
- 34 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 35 40CFR 60.12, NSPS Subpart A: Circumvention.
- 36 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 37 40CFR 60.13(c), NSPS Subpart A: Compliance Demonstration
- 38 40CFR 60.13(e), NSPS Subpart A: Compliance Demonstration
- 39 40CFR 60.13(f), NSPS Subpart A: Compliance Demonstration
- 40 40CFR 60.14, NSPS Subpart A: Modifications.
- 41 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 42 40CFR 60.43b(f), NSPS Subpart Db: Compliance Demonstration
- 43 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 44 40CFR 60.44b(a)(1), NSPS Subpart Db: Standards for oxides of nitrogen.
- 45 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 46 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 47 40CFR 60.44b(j), NSPS Subpart Db: Performance test compliance.
- 48 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 49 40CFR 60.46b(d), NSPS Subpart Db: Compliance Determination - Particulate Matter and Opacity
- 50 40CFR 60.46b(e)(4), NSPS Subpart Db: Compliance Demonstration
- 51 40CFR 60.48b(a), NSPS Subpart Db: Opacity monitoring requirements.
- 52 40CFR 60.48b(b), NSPS Subpart Db: Oxides of nitrogen monitoring requirements.
- 53 40CFR 60.49b(a), NSPS Subpart Db: Compliance Demonstration
- 54 40CFR 60.49b(b), NSPS Subpart Db: Compliance Demonstration
- 55 40CFR 60.49b(d), NSPS Subpart Db: Compliance Demonstration
- 56 40CFR 60.49b(f), NSPS Subpart Db: Compliance Demonstration
- 57 40CFR 60.49b(g), NSPS Subpart Db: Compliance Demonstration
- 58 40CFR 60.49b(h), NSPS Subpart Db: Compliance Demonstration
- 59 40CFR 60.49b(i), NSPS Subpart Db: Compliance Demonstration

**EU=U--TEMP,EP=TEMP1,Proc=0T2,ES=S00T9**

- \*60 6NYCRR 201-7: Capping Monitoring Condition
- \*61 6NYCRR 201-7: Capping Monitoring Condition
- \*62 6NYCRR 201-7: Capping Monitoring Condition
- 63 6NYCRR 227-2.4(b)(1): Compliance Demonstration
- 64 6NYCRR 227-2.6(c): Compliance Demonstration
- 65 6NYCRR 227.2(b)(1): Compliance Demonstration
- 66 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40

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CFR 60 Subpart A

- 67 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 68 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 69 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
- 70 40CFR 60.7(d), NSPS Subpart A: Excess Emissions Report
- 71 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 72 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 73 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 74 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 75 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 76 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 77 40CFR 60.9, NSPS Subpart A: Availability of information.
- 78 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 79 40CFR 60.12, NSPS Subpart A: Circumvention.
- 80 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 81 40CFR 60.13(c), NSPS Subpart A: Compliance Demonstration
- 82 40CFR 60.13(e), NSPS Subpart A: Compliance Demonstration
- 83 40CFR 60.13(f), NSPS Subpart A: Compliance Demonstration
- 84 40CFR 60.14, NSPS Subpart A: Modifications.
- 85 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 86 40CFR 60.42b(j), NSPS Subpart Db: Demonstration criteria for low sulfur oil.
- 87 40CFR 60.43b(b), NSPS Subpart Db: Particulate matter standard.
- 88 40CFR 60.43b(f), NSPS Subpart Db: Compliance Demonstration
- 89 40CFR 60.43b(g), NSPS Subpart Db: Particulate matter and opacity exemption.
- 90 40CFR 60.44b(a)(1), NSPS Subpart Db: Standards for oxides of nitrogen.
- 91 40CFR 60.44b(h), NSPS Subpart Db: Applicability of oxides of nitrogen standard.
- 92 40CFR 60.44b(i), NSPS Subpart Db: Averaging period.
- 93 40CFR 60.44b(j), NSPS Subpart Db: Performance test compliance.
- 94 40CFR 60.46b, NSPS Subpart Db: Compliance and performance methods for oxides of nitrogen and particulate matter.
- 95 40CFR 60.46b(d), NSPS Subpart Db: Compliance Determination - Particulate Matter and Opacity
- 96 40CFR 60.46b(e)(4), NSPS Subpart Db: Compliance Demonstration
- 97 40CFR 60.47b(f), NSPS Subpart Db: Alternative sulfur dioxide monitoring method.
- 98 40CFR 60.48b(a), NSPS Subpart Db: Opacity monitoring requirements.
- 99 40CFR 60.48b(b), NSPS Subpart Db: Oxides of nitrogen monitoring requirements.
- 100 40CFR 60.49b(a), NSPS Subpart Db: Compliance Demonstration
- 101 40CFR 60.49b(b), NSPS Subpart Db: Compliance Demonstration
- 102 40CFR 60.49b(d), NSPS Subpart Db: Compliance Demonstration
- 103 40CFR 60.49b(f), NSPS Subpart Db: Compliance Demonstration
- 104 40CFR 60.49b(g), NSPS Subpart Db: Compliance Demonstration
- 105 40CFR 60.49b(h), NSPS Subpart Db: Compliance Demonstration



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- 106 40CFR 60.49b(i), NSPS Subpart Db: Compliance Demonstration
- 107 40CFR 60.49b(j), NSPS Subpart Db: Compliance Demonstration
- 108 40CFR 60.49b(r), NSPS Subpart Db: Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 109 ECL 19-0301: Contaminant List
- 110 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 111 6NYCRR 201-5: Emission Unit Definition
- 112 6NYCRR 211.2: Air pollution prohibited
- 113 6NYCRR 227-1.4(a): Compliance Demonstration

**Emission Unit Level**

- 114 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 115 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

Any person who owns or operates an air contamination

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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 - 6NYCRR Part 201-1.2**

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

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

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

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event



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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 - 6NYCRR Part 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 - 6NYCRR Part 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 Part 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 Part 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



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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 Part 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 6NYCRR Part 202-1.

**Item K: Visible Emissions Limited - 6 NYCRR Part 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 - 6 NYCRR Part 215**

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

**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



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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: Non Applicable requirements  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 1.1:**

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

6NYCRR 231-2

Emission Unit: U-TEMP

Reason: The facility is adding one new Boiler. But the facility is capping the MAP (Maximum Annual Potential) of the facility the same as before by limiting the fuel usage. Since there is no MAP increase, this is not subject to Subpart 231-2.

40CFR 52-A.21(i)(1)

Emission Unit: U-TEMP

Reason: For this project the facility is capping the potential to emit (PTE) of the new boiler to 39.5 TPY NO<sub>x</sub> and 39.5 TPY SO<sub>2</sub>, by limiting the fuel usage. The total annual NO<sub>x</sub> and

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SO<sub>2</sub> emissions shall not exceed 39.5 TPY each. This should be determined by the facility by documenting daily fuel consumption and submittal of annual emission statement.

**Condition 2: Capping Monitoring Condition**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 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:

6NYCRR 231-2

**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 applicable requirement.

**Item 2.5:**

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

**Item 2.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 2.7:**

Compliance Demonstration shall include the following monitoring:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facilities in New York City, Nassau, Rockland, Suffolk, and Westchester Counties which fire multiple fuels boilers shall maintain a record of the quantity of the each fuel fired. Also the owner or the operator shall calculate (based on the fuel quantities) the NOx emissions using the following formula:

$D (0.02) + G (140) < 324$  Tons/Yr of the Oxides of Nitrogen emissions.

Where D= 12 month rolling total of Distillate oil usage in gal/yr (from all boilers in the facility)

G= 12 month rolling total of natural gas usage in mcf/yr ( from all the boilers in the facility)

Monitoring Frequency: DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 3: Capping Monitoring Condition**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 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:

6NYCRR 231-2

**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.

**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**



**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.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

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

**Item 3.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility is capping out from Part 231 applicability in this project by keeping the Maximum Annual Potential (MAP) of the facility the same. The existing maximum annual potential of the boilers emission is 324.31 TPY for NOx and 5.75 TPY for VOC. The facility has to limit the fuel usage to keep the MAP of the facility same, even after the new project, the addition of the new boiler. The facility has to record daily fuel consumption, rolled monthly to confirm that MAP of the facility will remain the same facility wide. Facility has to submit the reports of annual fuel usage and the MAP calculation to the DEC.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 3810 million cubic feet per year

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

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

**Condition 4: Capping Monitoring Condition**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 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:

6NYCRR 231-2

**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.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

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

**Item 4.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility is capping out from Part 231 applicability in this project by keeping the Maximum Annual Potential (MAP) of the facility the same. The existing maximum annual potential of the boilers emission is 324.31 TPY for NO<sub>x</sub> and 5.75 TPY for VOC. The facility has to limit the fuel usage to keep the MAP of the facility same, even after the new project, the addition of the new boiler. The facility has to record daily fuel consumption, rolled monthly to confirm that MAP of the facility will remain the same facility wide. Facility has to submit the reports of annual fuel usage and the MAP calculation to the DEC.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 2 OIL

Upper Permit Limit: 27025 1000 gallons

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 225.1(a)(3)**

**Item 5.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any distillate oil which has sulfur content greater than 0.20 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.20 percent by weight  
Monitoring Frequency: PER DELIVERY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 6: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 6.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and
- 6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**



Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

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

**Condition 7: Emission Unit Permissible Emissions**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 7.1:**

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U--TEMP

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE  
PTE(s): 28.8 pounds per hour  
79,100 pounds per year

CAS No: 0NY210-00-0  
Name: OXIDES OF NITROGEN  
PTE(s): 22 pounds per hour  
79,000 pounds per year

CAS No: 0NY998-00-0  
Name: VOC  
PTE(s): 0.758 pounds per hour  
3,100 pounds per year

**Condition 8: Process Permissible Emissions**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 8.1:**

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

Emission Unit: U--TEMP                      Process: 0T1

**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**



CAS No: 007446-09-5  
Name: SULFUR DIOXIDE  
PTE(s): 0.0827 pounds per hour  
339 pounds per year

Emission Unit: U--TEMP Process: OT2

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE  
PTE(s): 28.8 pounds per hour  
79,100 pounds per year

Emission Unit: U--TEMP Process: OT1

CAS No: 0NY210-00-0  
Name: OXIDES OF NITROGEN  
PTE(s): 19.3 pounds per hour  
79,000 pounds per year

Emission Unit: U--TEMP Process: OT2

CAS No: 0NY210-00-0  
Name: OXIDES OF NITROGEN  
PTE(s): 22 pounds per hour  
60,500 pounds per year

Emission Unit: U--TEMP Process: OT1

CAS No: 0NY998-00-0  
Name: VOC  
PTE(s): 0.758 pounds per hour  
3,100 pounds per year

Emission Unit: U--TEMP Process: OT2

CAS No: 0NY998-00-0  
Name: VOC  
PTE(s): 0.198 pounds per hour  
544 pounds per year

**Condition 9: EPA Region 2 address.  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A**

**Item 9.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

This Condition applies to Emission Unit: U--TEMP

**Item 9.2:**

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance  
USEPA Region 2  
290 Broadway, 21st Floor  
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

**Condition 10: Facility files for subject sources.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 10.1:**

This Condition applies to Emission Unit: U--TEMP

**Item 10.2:**

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

**Condition 11: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP



**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of all continuous monitoring systems for measurement of opacity shall reduce all data to 6-minute averages and for continuous monitoring systems other than opacity to 1-hour averages for time periods as defined in §60.2. Six-minute opacity averages shall be calculated from 36 or more data points equally spaced over each 6-minute period. For continuous monitoring systems other than opacity, 1-hour averages shall be computed from four or more data points equally spaced over each 1-hour period. Data recorded during periods of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this paragraph. An arithmetic or integrated average of all data may be used. The data may be recorded in reduced or nonreduced form (e.g., ppm pollutant and percent O<sub>2</sub> or ng/J of pollutant). All excess emissions shall be converted into units of the standard using the applicable conversion procedures specified in subparts. After conversion into units of the standard, the data may be rounded to the same number of significant digits as used in the applicable subparts to specify the emission limit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 12: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.45b(j), NSPS Subpart Db**

**Item 12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility that combusts very low sulfur oil is not subject to the compliance and performance testing requirements of this section if the owner or operator obtains fuel receipts as described in §60.49b(r).

Monitoring Frequency: PER DELIVERY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 13: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP

Process: OT1

Emission Source: S00T9

Regulated Contaminant(s):

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

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The continuous monitoring systems required under paragraph 40 CFR 60.48b (b) shall be operated and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 14: Use of alternative methods for measuring NO<sub>x</sub> during CEMS**



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

**downtime**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 14.1:**

This Condition applies to Emission Unit: U--TEMP  
Process: 0T1 Emission Source: S00T9

**Item 14.2:**

When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

**Condition 15: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 15.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP  
Process: 0T2 Emission Source: S00T9

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

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The continuous monitoring systems required under paragraph 40 CFR 60.48b (b) shall be operated and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**New York State Department of Environmental Conservation**

Permit ID: 2-6204-00064/00007

Facility DEC ID: 2620400064



**Condition 16: Use of alternative methods for measuring NOx during CEMS downtime**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 16.1:**

This Condition applies to Emission Unit: U--TEMP  
Process: OT2 Emission Source: S00T9

**Item 16.2:**

When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 17.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

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

**Condition 18: Capping Monitoring Condition**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 18.1:**

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:

40CFR 52-A.21

**Item 18.2:**

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

**Item 18.3:**

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 18.4:**

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 18.5:**

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 18.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: 0T1                      Emission Source: S00T9

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

**Item 18.7:**

Compliance Demonstration shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**



Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The Facility is capping out of 40 CFR 52 A.21, Prevention of Significant Deterioration (PSD) by capping the proposed emission increase of the new boiler to 39.5 TPY NOx and 39.5 TPY for SO2. Facility has to limit the use of #2 oil and natural gas for the new boiler to achieve this.

If the facility is using the natural gas alone, gas usage of this new boiler shall not exceed 564 million cubic feet/ year. The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel usage of the new boiler shall be with in the above-mentioned limit.

When the facility uses natural gas and the # 2 fuel oil, facility shall record the fuel usage daily, rolled monthly and calculate the sulfur dioxide emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons.

The facility shall maintain records showing the quantity of fuel burned on a monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. This information shall be made available to the department upon request.

The facility shall submit to the department an annual inventory listing monthly (NOx) emissions and total (NOx) emissions for the previous year due by the 15th of April.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NATURAL GAS

Upper Permit Limit: 564 million cubic feet per year

Monitoring Frequency: DAILY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.



**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**

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

**Condition 19: Capping Monitoring Condition**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 19.1:**

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:

40CFR 52-A.21

**Item 19.2:**

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

**Item 19.3:**

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 19.4:**

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 19.5:**

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 19.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: 0T1                    Emission Source: S00T9

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

**Item 19.7:**

Compliance Demonstration shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 2-6204-00064/00007**

**Facility DEC ID: 2620400064**



Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The Facility is capping out of 40 CFR 52 A.21, Prevention of Significant Deterioration (PSD). Facility has to limit the use of #2 oil and natural gas for the new boiler to cap the proposed emission increase of the new boiler to 39.5 TPY NOx and 39.5 TPY for SO2.

Annual usage for this new boiler shall not exceed 2.5 million gallons/year when the facility is using the # 2 fuel oil alone. When use natural gas alone, annual usage shall not exceed 564 million cubic feet/year.

The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel usage of the new boiler shall be with in the above-mentioned limit.

In the case of dual fuel usage also, facility shall record the daily fuel consumption, rolled monthly and calculate the NOx emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons limit. The facility shall calculate NOx emission total by summing the individual monthly emissions during any consecutive 12-month period. At the beginning of each month, the facility shall calculate total NOx emissions of the previous month and total NOx emissions of the previous consecutive 12-month period.

The facility shall maintain records showing the quantity of fuel burned on a monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. This information shall be made available to the department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 39.5 tons per year

Monitoring Frequency: DAILY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.



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

**Condition 20: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T1 Emission Source: S00T9

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

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for large boilers, where compliance with the specific emission limit is verified through stack testing.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.2 pounds per million Btus  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 21: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)**

**Item 21.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T1 Emission Source: S00T9

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

**Item 21.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NO<sub>x</sub> emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM Btu/hr) shall measure NO<sub>x</sub> emissions by performing stack tests described in subdivision (c) of this section.

The NO<sub>x</sub> RACT for large boilers (between 100 and 250 MM Btu/hr) operating on gas have a limit of 0.20 pounds per million Btu per hour and those operating on gas/oil have a limit of 0.30 pounds per million Btu per hour.

Since the federal regulation 40 CFR 60 Db is applicable in this case, and is more stringent, NO<sub>x</sub> limit for this boiler is limited to 0.20 pounds per million Btu per hour when firing gas/oil.

Stack test requirements: The owner/operator of those facilities required to stack test under subdivision (a) of 6NYCRR 227-2.6 shall:

1. Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NO<sub>x</sub> limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
  - i. For large (between 100 and 250 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.2 pounds per million Btus

Reference Test Method: METHOD 7,7E OR 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



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**METHOD INDICATED**

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 22: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart A**

**Item 22.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 22.2:**

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 23: Date of construction notification.  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 23.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 23.2:**

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and



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7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

**Condition 24: Recordkeeping requirements.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 24.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 24.2:**

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

**Condition 25: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 25.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 25.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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reporting period;

2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;

3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and

4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 26: Excess Emissions Report**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 26.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 26.2:**

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

**Condition 27: Performance testing timeline.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 27.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 27.2:**

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial



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startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

**Condition 28: Performance test methods.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 28.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 28.2:**

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

**Condition 29: Required performance test information.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 29.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 29.2:**

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operate of the facility.

**Condition 30: Prior notice.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 30.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 30.2:**

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

**Condition 31: Performance testing facilities.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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



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**Item 31.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 31.2:**

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

**Condition 32: Number of required tests.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 32.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 32.2:**

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

**Condition 33: Availability of information.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A**

**Item 33.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 33.2:**

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter.

**Condition 34: Opacity standard compliance testing.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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



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**Item 34.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 34.2:**

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

**Condition 35: Circumvention.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A**

**Item 35.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 35.2:**

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

**Condition 36: Monitoring requirements.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 36.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 36.2:**

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

**Condition 37: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 37.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

Process: OT1 Emission Source: S00T9

**Item 37.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he or she shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of 40CFR 60 before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of 40CFR 60. The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

(1) The owner or operator of an affected facility using a COMS to determine opacity compliance during any performance test required under §60.8 and as described in §60.11(e)(5) shall furnish the Administrator two or, upon request, more copies of a written report of the results of the COMS performance evaluation described in 40CFR60.13(c) at least 10 days before the performance test required under §60.8 is conducted.

(2) Except as provided in paragraph 40CFR60.13(c)(1), the owner or operator of an affected facility shall furnish the Administrator within 60 days of completion two or, upon request, more copies of a written report of the results of the performance evaluation.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 38: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 38.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T1 Emission Source: S00T9

**Item 38.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required under 40CFR60.13(d), all continuous monitoring systems shall be in continuous operation and shall meet minimum frequency of operation requirements as follows:

- (1) All continuous monitoring systems referenced by 40CFR60.13(c) for measuring opacity of emissions shall complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.
- (2) All continuous monitoring systems referenced by 40CFR60.13(c) for measuring emissions, except opacity, shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 39: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 39.1:**





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60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 42: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 42.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: OT1                      Emission Source: S00T9

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

**Item 42.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall not cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6 minute average), except for one 6-minute period per hour of not more than 27 percent opacity.



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Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 43: Particulate matter and opacity exemption.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 43.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 43.2:**

The particulate matter and opacity standards shall apply at all times, except during periods of startup, shutdown, or malfunction.

**Condition 44: Standards for oxides of nitrogen.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 44.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 44.2:**

Oxides of nitrogen emissions while firing natural gas or distillate oil in high heat release rate units shall not exceed 0.20 lb/mmBtu.

**Condition 45: Applicability of oxides of nitrogen standard.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 45.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 45.2:**

The emissions standard for oxides of nitrogen shall apply at all times including periods of startup, shutdown, and malfunction.

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**Condition 46: Averaging period.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 46.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 46.2:**

Except as noted in paragraph (j) of this section, compliance with the emission limits shall be determined on a 30 day rolling average basis.

**Condition 47: Performance test compliance.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 47.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 47.2:**

Compliance with the initial performance test for nitrogen oxide shall be based on a 24 hour average, subsequent performance tests will be based on a 3 hour average.

**Condition 48: Compliance and performance methods for oxides of nitrogen and particulate matter.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 48.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 48.2:**

Compliance with both the oxides of nitrogen and particulate matter standards shall be determined using the methods specified in section 40 CFR 60-Db.46b.

**Condition 49: Compliance Determination - Particulate Matter and Opacity**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.46b(d), NSPS Subpart Db**

**Item 49.1:**



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This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

**Item 49.2:**

To determine compliance with the particulate matter emission limits and opacity limits under 40 CFR Part 60.43b, the owner or operator of an affected facility shall conduct an initial performance test as required under 40 CFR Part 60.8 using the following procedures and reference methods:

- (1) Method 3B is used for gas analysis when applying Method 5 or Method 17.
- (2) Method 5, Method 5B, or Method 17 shall be used to measure the concentration of particulate matter as follows:
  - (i) Method 5 shall be used at affected facilities without wet flue gas desulfurization (FGD) systems; and
  - (ii) Method 17 may be used at facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of sections 2.1 and 2.3 of Method 5B may be used in Method 17 only if it is used after a wet FGD system. Do not use Method 17 after wet FGD systems if the effluent is saturated or laden with water droplets.
  - (iii) Method 5B is to be used only after wet FGD systems.
- (3) Method 1 is used to select the sampling site and the number of traverse sampling points. The sampling time for each run is at least 120 minutes and the minimum sampling volume is 1.7 dscm (60 dscf) except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.
- (4) For Method 5, the temperature of the sample gas in the probe and filter holder is monitored and is maintained at 160 °C (320 °F).
- (5) For determination of particulate matter emissions, the oxygen or carbon dioxide sample is obtained simultaneously with each run of Method 5, Method 5B or Method 17 by traversing the duct at the same sampling location.
- (6) For each run using Method 5, Method 5B or Method 17, the emission rate expressed in nanograms per joule heat input is determined using:
  - (i) The oxygen or carbon dioxide measurements and particulate matter measurements obtained under this section,
  - (ii) The dry basis F factor, and
  - (iii) The dry basis emission rate calculation procedure contained in Method 19 (appendix A).
- (7) Method 9 is used for determining the opacity of stack emissions.

**Condition 50: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.46b(e)(4), NSPS Subpart Db**

**Item 50.1:**

The Compliance Demonstration activity will be performed for:

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Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT1 Emission Source: S00T9

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

**Item 50.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Following the date on which the initial performance test is completed or required to be completed under 40 CFR Part 60.8, whichever date comes first, the owner or operator of an affected facility which has a heat input capacity of 73 MW (250 million Btu/hour) or less and which combusts natural gas, distillate oil, or residual oil having a nitrogen content of 0.30 weight percent or less shall upon request determine compliance with the nitrogen oxides standards under 40 CFR Part 60.44b through the use of a 30-day performance test. During periods when performance tests are not requested, nitrogen oxides emissions data collected pursuant to 40 CFR Part 60.48b(g)(1) or 40 CFR Part 60.48b(g)(2) are used to calculate a 30-day rolling average emission rate on a daily basis and used to prepare excess emission reports, but will not be used to determine compliance with the nitrogen oxides emission standards. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly nitrogen oxides emission data for the preceding 30 steam generating unit operating days.

Parameter Monitored: NITROGEN CONTENT

Upper Permit Limit: 0.30 percent by weight

Reference Test Method: EPA RM 7, 7A, or 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 51: Opacity monitoring requirements.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

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**Item 51.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T1 Emission Source: S00T9

**Item 51.2:**

Facilities subject to section 40 CFR 60-Db.43b opacity standard must install, calibrate, maintain, operate, and record the data from a continuous opacity monitor.

**Condition 52: Oxides of nitrogen monitoring requirements.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 52.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T1 Emission Source: S00T9

**Item 52.2:**

Facilities subject to section 40 CFR 60-Db.44b shall install, calibrate, maintain, operate, and record the output from an oxides of nitrogen CEM.

**Condition 53: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 53.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T1 Emission Source: S00T9

**Item 53.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility shall submit notification of the date of initial startup, as provided by 40 CFR Part 60.7. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of the fuels to be combusted in the affected facility,

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(2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR Part 60.42b(d)(1), 60.43b(a)(2), (a)(3)(iii), (c)(2)(ii), (d)(2)(iii), 60.44b(c), (d), (e), (i), (j), (k), 60.45b(d), (g), 60.46b(h), or 60.48b(i),

(3) The annual capacity factor at which the owner or operator anticipates operating the facility based on all fuels fired and based on each individual fuel fired, and,

(4) Notification that an emerging technology will be used for controlling emissions of sulfur dioxide. The Administrator will examine the description of the emerging technology and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of 40 CFR Part 60.42b(a) unless and until this determination is made by the Administrator.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 54: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 54.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: 0T1                      Emission Source: S00T9

**Item 54.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the sulfur dioxide, particulate matter, and/or nitrogen oxides emission limits under 40 CFR Part 60.42b, 60.43b, and 60.44b shall submit to the Administrator the



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performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in appendix B.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 55: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 55.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

Process: 0T1 Emission Source: S00T9

**Item 55.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 56: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 56.1:**

The Compliance Demonstration activity will be performed for:



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Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: OT1                      Emission Source: S00T9

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

**Item 56.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of opacity measurements made by the monitoring system required under 40CFR60.48b(a).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 57: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 57.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: OT1                      Emission Source: S00T9

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

**Item 57.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO<sub>2</sub>) (ng/J or lb/million Btu heat input)

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measured or predicted.

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

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 58: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 58.1:**

The Compliance Demonstration activity will be performed for:

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Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: OT1                      Emission Source: S00T9

**Item 58.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 59: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 59.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: OT1                      Emission Source: S00T9

Regulated Contaminant(s):

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

**Item 59.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any affected facility subject to the continuous monitoring requirements for nitrogen oxides under §60.48(b) shall submit reports containing the information recorded under paragraph (g) of this section. All reports shall be postmarked by the 30th day following

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the end of semiannual period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 60: Capping Monitoring Condition**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 60.1:**

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:

40CFR 52-A.21

**Item 60.2:**

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

**Item 60.3:**

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

**Item 60.4:**

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 60.5:**

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 60.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1



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Process: 0T2

Emission Source: S00T9

Regulated Contaminant(s):

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

**Item 60.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The Facility is capping out of 40 CFR 52 A.21, Prevention of Significant Deterioration (PSD). Facility has to limit the use of #2 oil and natural gas for the new boiler to cap the proposed emission increase of the new boiler to 39.5 TPY NO<sub>x</sub> and 39.5 TPY for SO<sub>2</sub>.

Annual usage for this new boiler shall not exceed 2.5 million gallons/year when the facility is using the # 2 fuel oil alone. When use natural gas alone, annual usage shall not exceed 564 million cubic feet/year.

The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel usage of the new boiler shall be with in the above-mentioned limit.

In the case of dual fuel usage also, facility shall record the daily fuel consumption, rolled monthly and calculate the NO<sub>x</sub> emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons limit. The facility shall calculate NO<sub>x</sub> emission total by summing the individual monthly emissions during any consecutive 12-month period. At the beginning of each month, the facility shall calculate total NO<sub>x</sub> emissions of the previous month and total NO<sub>x</sub> emissions of the previous consecutive 12-month period.

The facility shall maintain records showing the quantity of fuel burned on a monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. This information shall be made available to the department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: OXIDES OF NITROGEN



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Upper Permit Limit: 39.5 tons per year  
Monitoring Frequency: DAILY  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 61: Capping Monitoring Condition**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 61.1:**

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:

40CFR 52-A.21

**Item 61.2:**

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

**Item 61.3:**

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 61.4:**

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 61.5:**

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 61.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: 0T2                      Emission Source: S00T9



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

**Item 61.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The Facility is capping out from 40 CFR 52 A.21, prevention of significant deterioration (PSD). To cap out, from PSD, Facility have to limit the use of #2 oil and natural gas for the new boiler to cap the proposed emission increase of the new boiler to 39.5 TPY NO<sub>x</sub> and 39.5 TPY for SO<sub>2</sub>.

Annual usage for this new boiler shall not exceed 2.5 million gallons/year when the facility is using the # 2 fuel oil alone. When use natural gas alone, annual usage shall not exceed 564 million cubic feet/year.

The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel usage of the new boiler shall be with in the above-mentioned limit.

In the case of duel fuel usage also, facility shall record the daily fuel consumption, rolled monthly and calculate the NO<sub>x</sub> emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons limit. The facility shall calculate NO<sub>x</sub> emission total by summing the individual monthly emissions during any consecutive 12-month period. At the beginning of each month, the facility shall calculate total NO<sub>x</sub> emissions of the previous month and total NO<sub>x</sub> emissions of the previous consecutive 12-month period.

Monthly SO<sub>2</sub> emissions are determined as follows:

$$\text{SO}_2 \text{ (lb/month)} = \text{SO}_{ng} + \text{SO}_{\#2\text{oil}}$$

Where,

SO<sub>ng</sub> = Monthly SO<sub>2</sub> emission rate based on natural gas usage.

SO # 2 oil = Monthly SO<sub>2</sub> emission rate based on #2 fuel oil usage.

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$S_{Ong} = (\text{MMcf Natural gas, gas burned/month}) \times (0.6 \text{ lb/MMcf})$   
 $SO \# 2 \text{ oil} = (\text{gal. \#2 oil burned/month}) \times (31.40 \text{ lb/1000gal})$   
 $S = \% \text{ sulfur content of the distillate oil.}$

The emission factors used in the above equation (0.6 lb SO<sub>2</sub> / MMcf natural gas and (31.40 lb SO<sub>2</sub> /1000gal #2oil) are from the USEPA Compilation of Air Pollution Emission factors (AP-42), Volume I, January 1995 Tables 1.4-2 and 1.3-2

The facility shall maintain records showing the quantity of fuel burned on a monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. This information shall be made available to the department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 2 OIL  
Parameter Monitored: SULFUR DIOXIDE  
Upper Permit Limit: 39.5 tons per year  
Monitoring Frequency: DAILY  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 62: Capping Monitoring Condition**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 62.1:**

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:

40CFR 52-A.21

**Item 62.2:**



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

**Item 62.3:**

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 62.4:**

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 62.5:**

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 62.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: OT2                      Emission Source: S00T9

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

**Item 62.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes  
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:  
The facility is capping out from 40 CFR 52 A.21, Prevention of Significant Deterioration (PSD). Facility has to limit the use of # 2 oil and natural gas for the new boiler to cap the proposed emission increase of the new boiler to 39.5 TPY NO<sub>x</sub> and 39.5 TPY for SO<sub>2</sub>.

If the facility is using # 2 fuel oil alone, oil usage of this new boiler shall not exceed 2.5 millions gallons/year. The facility has to record daily fuel consumption, rolled monthly to confirm that annual fuel



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usage of the new boiler shall be within the above-mentioned limit.

When the facility uses natural gas and the #2 fuel oil, facility shall record the fuel usage daily, rolled monthly and calculate the sulfur dioxide emission rate to confirm that it will be below the PSD significant net emission increase limit of 39.5 tons limit.

The facility shall maintain records showing the quantity of fuel burned monthly basis. Records shall be based on verifiable data such as fuel metering data or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts. All fuel use records and corresponding emission calculations shall be kept on site for a minimum of five (5) years. The information shall be made available to the department upon request. The facility shall submit to the department an annual inventory listing monthly SO<sub>2</sub> emissions and total SO<sub>2</sub> emissions for the previous year due by the 15th of April.

Work Practice Type: PROCESS MATERIAL THRUPTUT  
Process Material: NUMBER 2 OIL  
Upper Permit Limit: 2500000 gallons per year  
Monitoring Frequency: DAILY  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 63: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 63.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

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

**Item 63.2:**



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Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for large boilers, where compliance with the specific emission limit is verified through stack testing.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.2 pounds per million Btus

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 64: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 227-2.6(c)**

**Item 64.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

Process: 0T2 Emission Source: S00T9

Regulated Contaminant(s):

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

**Item 64.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following unit shall perform testing to verify NOx emissions to demonstrate compliance with this part.

The owner/operator of large boilers (between 100 and 250 MM Btu/hr) shall measure NOx emissions by performing stack tests described in subdivision (c) of this section.

The NOx RACT for large boilers (between 100 and 250 MM Btu/hr) operating on gas have a limit of 0.20 pounds per million Btu per hour and those operating on gas/oil have a limit of 0.30 pounds per million Btu per hour.

Since the federal regulation 40 CFR 60 Db is applicable in this case, and is more stringent, NOx limit for this



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boiler is limited to 0.20 pounds per million Btu per hour when firing gas/oil.

Stack test requirements: The owner/operator of those facilities required to stack test under subdivision (a) of 6NYCRR 227-2.6 shall:

1. Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
  - i. For large (between 100 and 250 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 0.2 pounds per million Btus  
Reference Test Method: METHOD 7, 7E or 19  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 65: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 65.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

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



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**Item 65.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) All records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 66: Applicability of General Provisions of 40 CFR 60 Subpart A  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart A**

**Item 66.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 66.2:**

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 67: Date of construction notification.  
Effective between the dates of 11/07/2005 and Permit Expiration Date**



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

**Item 67.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 67.2:**

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

**Condition 68: Recordkeeping requirements.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 68.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 68.2:**

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

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**Condition 69: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 69.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 69.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 70: Excess Emissions Report**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 70.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 70.2:**

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

**Condition 71: Performance testing timeline.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 71.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 71.2:**

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

**Condition 72: Performance test methods.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 72.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 72.2:**

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

**Condition 73: Required performance test information.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**



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

**Item 73.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 73.2:**

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operate of the facility.

**Condition 74: Prior notice.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 74.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 74.2:**

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

**Condition 75: Performance testing facilities.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 75.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 75.2:**

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

**Condition 76: Number of required tests.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

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**Item 76.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 76.2:**

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

**Condition 77: Availability of information.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.9, NSPS Subpart A**

**Item 77.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 77.2:**

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter.

**Condition 78: Opacity standard compliance testing.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 78.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 78.2:**

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

**Condition 79: Circumvention.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**



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**Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A**

**Item 79.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 79.2:**

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

**Condition 80: Monitoring requirements.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 80.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 80.2:**

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

**Condition 81: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 81.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 81.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he or she shall conduct a performance evaluation of the COMS as specified in Performance



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Specification 1, appendix B, of 40CFR 60 before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of 40CFR 60. The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

(1) The owner or operator of an affected facility using a COMS to determine opacity compliance during any performance test required under §60.8 and as described in §60.11(e)(5) shall furnish the Administrator two or, upon request, more copies of a written report of the results of the COMS performance evaluation described in 40CFR60.13(c) at least 10 days before the performance test required under §60.8 is conducted.

(2) Except as provided in paragraph 40CFR60.13(c)(1), the owner or operator of an affected facility shall furnish the Administrator within 60 days of completion two or, upon request, more copies of a written report of the results of the performance evaluation.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 82: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 82.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

Process: OT2 Emission Source: S00T9

**Item 82.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



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**Monitoring Description:**

Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required under 40CFR60.13(d), all continuous monitoring systems shall be in continuous operation and shall meet minimum frequency of operation requirements as follows:

(1) All continuous monitoring systems referenced by 40CFR60.13(c) for measuring opacity of emissions shall complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.

(2) All continuous monitoring systems referenced by 40CFR60.13(c) for measuring emissions, except opacity, shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

**Reporting Requirements: SEMI-ANNUALLY (CALENDAR)**

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 83: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 83.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

Process: OT2 Emission Source: S00T9

**Item 83.2:**

Compliance Demonstration shall include the following monitoring:

**Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES**

**Monitoring Description:**

All continuous monitoring systems or monitoring devices shall be installed such that representative measurements of emissions or process parameters from the affected facility are obtained. Additional procedures for location of continuous monitoring systems contained in the applicable Performance Specifications of appendix B of this part shall be used.

**Reporting Requirements: SEMI-ANNUALLY (CALENDAR)**



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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 6 calendar month(s).

**Condition 84: Modifications.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A**

**Item 84.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 84.2:**

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

**Condition 85: Reconstruction.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.15, NSPS Subpart A**

**Item 85.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 85.2:**

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the



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applicable standards of performance after the proposed replacements.

**Condition 86: Demonstration criteria for low sulfur oil.  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 86.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 86.2:**

Affected facilities which fire very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by:

1) Following the performance testing procedures in subdivision 60.45b(c) or subdivision 60.45b(d) and following monitoring procedures in subdivision 60.47b(a) or in subdivision 60.47b(b) to determine SO<sub>2</sub> emission rate or fuel oil sulfur content; or

2) Maintaining fuel receipts as described in subdivision 60.49b(r).

**Condition 87: Particulate matter standard.  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 87.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 87.2:**

Particulate matter emissions oil or oil and other fuels shall not exceed 0.10 lb/mmBtu.

**Condition 88: Compliance Demonstration  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 88.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

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



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**Item 88.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The owner or operator shall not cause to be discharged into the atmosphere any gases that exhibit greater than 20 percent opacity (6 minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 89: Particulate matter and opacity exemption.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 89.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 89.2:**

The particulate matter and opacity standards shall apply at all times, except during periods of startup, shutdown, or malfunction.

**Condition 90: Standards for oxides of nitrogen.**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 90.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 90.2:**

Oxides of nitrogen emissions while firing natural gas or distillate oil in high heat release rate units shall not exceed 0.20 lb/mmBtu.



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**Condition 91: Applicability of oxides of nitrogen standard.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 91.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 91.2:**

The emissions standard for oxides of nitrogen shall apply at all times including periods of startup, shutdown, and malfunction.

**Condition 92: Averaging period.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 92.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 92.2:**

Except as noted in paragraph (j) of this section, compliance with the emission limits shall be determined on a 30 day rolling average basis.

**Condition 93: Performance test compliance.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 93.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 93.2:**

Compliance with the initial performance test for nitrogen oxide shall be based on a 24 hour average, subsequent performance tests will be based on a 3 hour average.

**Condition 94: Compliance and performance methods for oxides of nitrogen and particulate matter.**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 94.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1



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Process: 0T2

Emission Source: S00T9

**Item 94.2:**

Compliance with both the oxides of nitrogen and particulate matter standards shall be determined using the methods specified in section 40 CFR 60-Db.46b.

**Condition 95: Compliance Determination - Particulate Matter and Opacity  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.46b(d), NSPS Subpart Db**

**Item 95.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 95.2:**

To determine compliance with the particulate matter emission limits and opacity limits under 40 CFR Part 60.43b, the owner or operator of an affected facility shall conduct an initial performance test as required under 40 CFR Part 60.8 using the following procedures and reference methods:

- (1) Method 3B is used for gas analysis when applying Method 5 or Method 17.
- (2) Method 5, Method 5B, or Method 17 shall be used to measure the concentration of particulate matter as follows:
  - (i) Method 5 shall be used at affected facilities without wet flue gas desulfurization (FGD) systems; and
  - (ii) Method 17 may be used at facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of sections 2.1 and 2.3 of Method 5B may be used in Method 17 only if it is used after a wet FGD system. Do not use Method 17 after wet FGD systems if the effluent is saturated or laden with water droplets.
  - (iii) Method 5B is to be used only after wet FGD systems.
- (3) Method 1 is used to select the sampling site and the number of traverse sampling points. The sampling time for each run is at least 120 minutes and the minimum sampling volume is 1.7 dscm (60 dscf) except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.
- (4) For Method 5, the temperature of the sample gas in the probe and filter holder is monitored and is maintained at 160 °C (320 °F).
- (5) For determination of particulate matter emissions, the oxygen or carbon dioxide sample is obtained simultaneously with each run of Method 5, Method 5B or Method 17 by traversing the duct at the same sampling location.
- (6) For each run using Method 5, Method 5B or Method 17, the emission rate expressed in nanograms per joule heat input is determined using:
  - (i) The oxygen or carbon dioxide measurements and particulate matter measurements obtained under this section,



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- (ii) The dry basis F factor, and
- (iii) The dry basis emission rate calculation procedure contained in Method 19 (appendix A).

(7) Method 9 is used for determining the opacity of stack emissions.

**Condition 96: Compliance Demonstration**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.46b(e)(4), NSPS Subpart Db**

**Item 96.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: 0T2                    Emission Source: S00T9

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

**Item 96.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Following the date on which the initial performance test is completed or required to be completed under 40 CFR Part 60.8, whichever date comes first, the owner or operator of an affected facility which has a heat input capacity of 73 MW (250 million Btu/hour) or less and which combusts natural gas, distillate oil, or residual oil having a nitrogen content of 0.30 weight percent or less shall upon request determine compliance with the nitrogen oxides standards under 40 CFR Part 60.44b through the use of a 30-day performance test. During periods when performance tests are not requested, nitrogen oxides emissions data collected pursuant to 40 CFR Part 60.48b(g)(1) or 40 CFR Part 60.48b(g)(2) are used to calculate a 30-day rolling average emission rate on a daily basis and used to prepare excess emission reports, but will not be used to determine compliance with the nitrogen oxides emission standards. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly nitrogen oxides emission data for the preceding 30 steam generating unit operating days.

Parameter Monitored: NITROGEN CONTENT



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Upper Permit Limit: 0.30 percent by weight  
Reference Test Method: EPA RM 7, 7A, or 7E  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 97: Alternative sulfur dioxide monitoring method.  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.47b(f), NSPS Subpart Db**

**Item 97.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 97.2:**

Facilities which combust very low sulfur oil are not subject to the requirements of section 40 CFR 60-Db.47b if fuel receipts are obtained in accordance with subdivision 40 CFR 60-Db.49b(r).

**Condition 98: Opacity monitoring requirements.  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 98.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 98.2:**

Facilities subject to section 40 CFR 60-Db.43b opacity standard must install, calibrate, maintain, operate, and record the data from a continuous opacity monitor.

**Condition 99: Oxides of nitrogen monitoring requirements.  
Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 99.1:**

This Condition applies to Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 99.2:**

Facilities subject to section 40 CFR 60-Db.44b shall install, calibrate, maintain, operate, and record the output from an oxides of nitrogen CEM.



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**Condition 100: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 100.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

Process: OT2 Emission Source: S00T9

**Item 100.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility shall submit notification of the date of initial startup, as provided by 40 CFR Part 60.7. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of the fuels to be combusted in the affected facility,

(2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR Part 60.42b(d)(1), 60.43b(a)(2), (a)(3)(iii), (c)(2)(ii), (d)(2)(iii), 60.44b(c), (d), (e), (i), (j), (k), 60.45b(d), (g), 60.46b(h), or 60.48b(i),

(3) The annual capacity factor at which the owner or operator anticipates operating the facility based on all fuels fired and based on each individual fuel fired, and,

(4) Notification that an emerging technology will be used for controlling emissions of sulfur dioxide. The Administrator will examine the description of the emerging technology and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of 40 CFR Part



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60.42b(a) unless and until this determination is made by the Administrator.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 101: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 101.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 101.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the sulfur dioxide, particulate matter, and/or nitrogen oxides emission limits under 40 CFR Part 60.42b, 60.43b, and 60.44b shall submit to the Administrator the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in appendix B.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 102: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 102.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: 0T2 Emission Source: S00T9

**Item 102.2:**

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 103: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 103.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP    Emission Point: TEMP1  
Process: OT2                      Emission Source: S00T9

Regulated Contaminant(s):

CAS No: 0NY075-00-0    PARTICULATES

**Item 103.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall maintain records of opacity measurements made by the monitoring system required under 40CFR60.48b(a).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 104: Compliance Demonstration**



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**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 104.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

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

**Item 104.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) Calendar date.
- 2) The average hourly nitrogen oxides emission rates (expressed as NO<sub>2</sub>) (ng/J or lb/million Btu heat input) measured or predicted.
- 3) The 30-day average nitrogen oxides emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceeding 30 steam generating unit operating days.
- 4) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emission standards under 40CFR60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- 7) Identification of the "F" factor used for calculations, method of determination, and type of fuel



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combusted.

8) Identification of the times when the pollutant concentration exceeded the full span of the continuous monitoring system.

9) Description of any modifications to the continuous monitoring system that could affect the ability of the system to comply with Performance Specification 2 or 3.

10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40CFR60 Appendix F, Procedure 1.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 105: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 105.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

Process: OT2 Emission Source: S00T9

**Item 105.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

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**Condition 106: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 106.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

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

**Item 106.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 107: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 107.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1  
Process: OT2 Emission Source: S00T9

**Item 107.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility subject to the sulfur dioxide standards under 60.42b shall submit written reports to the Administrator for every semiannual reporting period. All reports shall be postmarked by the 30th day following the end of each semiannual reporting period.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 108: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 108.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U--TEMP Emission Point: TEMP1

Process: OT2 Emission Source: S00T9

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 108.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator who elects to demonstrate that the affected facility combusts only very low sulfur oil shall obtain and maintain at the facility fuel receipts from the fuel supplier which certify that the the oil meets the definition of distillate oil as defined 40CFR60.41b. For the purposes of this requirement, the oil need not meet the fuel nitrogen content specification in the definition of distillate oil. Semiannual reports shall be submitted to the Administrator certifying that only very low sulfur oil was combusted in the affected facility during the preceding semiannual period.

Monitoring Frequency: PER DELIVERY

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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 6 calendar month(s).



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 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

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law.

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 109: Contaminant List**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 109.1:**

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

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

**Condition 110: Unavoidable noncompliance and violations**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 110.1:**

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



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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 111: Emission Unit Definition**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 111.1:**

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

Emission Unit: U--TEMP

Emission Unit Description:

This emission unit U-TEMP is to construct an additional boiler rated at 137.8 mmbtu/hr. This boiler is capable of firing either natural gas or #2 fuel oil, or both. The exhaust gases from the boiler will be discharged via a common stack connecting the three existing boilers. The original emission unit U00001 consists of three (3) boilers with a total potential heat input of 435 mmbtu/hr. All the boilers are dual fuel fired (natural gas and no.



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2 fuel oil) and the flue gases exit through a common stack.

Building(s): ANNEX

**Condition 112: Air pollution prohibited**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 112.1:**

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 113: Compliance Demonstration**

**Effective between the dates of 11/07/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 227-1.4(a)**

**Item 113.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 113.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel

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burned, monitoring and recording of opacity is not required.

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: 40CFR60 Appendix B  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

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

**Condition 114: Emission Point Definition By Emission Unit**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 114.1:**

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

Emission Unit: U--TEMP

Emission Point: TEMP1

Height (ft.): 403

Diameter (in.): 96

Building: ANNEX

**Condition 115: Process Definition By Emission Unit**  
**Effective between the dates of 11/07/2005 and Permit Expiration Date**

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

**Item 115.1:**

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

Emission Unit: U--TEMP

Process: OT1

Source Classification Code: 1-03-006-01

Process Description:

The new boiler will fire natural gas, and flue gases will exhaust via a common stack connecting the three existing boilers.

Emission Source/Control: S00T9 - Combustion

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Design Capacity: 137.8 million BTUs per hour

**Item 115.2:**

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

Emission Unit: U--TEMP

Process: OT2

Source Classification Code: 1-03-005-01

Process Description:

The new boiler will fire #2 fuel oil, and flue gases will exhaust via a common stack connecting the three existing boilers.

Emission Source/Control: S00T9 - Combustion

Design Capacity: 137.8 million BTUs per hour