



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 1-2820-00553/00025  
Mod 0 Effective Date: 02/24/2011 Expiration Date: 02/23/2016  
Mod 1 Effective Date: 03/27/2012 Expiration Date: 02/23/2016

Permit Issued To: NATIONAL GRID GENERATION LLC  
175 E OLD COUNTRY RD  
HICKSVILLE, NY 11801

NATIONAL GRID CORPORATE SERVICES LLC  
175 E OLD COUNTRY RD  
HICKSVILLE, NY 11801

Contact: CHRISTOPHER CORRADO  
NATIONAL GRID GENERATION LLC  
175 E OLD COUNTRY ROAD  
HICKSVILLE, NY 11801  
(516) 545-2556

Facility: EF BARRETT POWER STATION  
1 MCCARTHY RD  
ISLAND PARK, NY 11558

**Description:**

Application for modification of Air Title V Facility for an existing electric generating plant consisting of two (2) 185 MWe turbine/generator boiler sets operating on natural gas, #1, #2 or #6 fuel oils. The combustion turbines operate on either natural gas, #1, or #2 fuel oils. In addition, an industrial steam boiler is maintained on site for building heat. In addition to pipeline natural gas, #1, #2 and #6 fuel oil in the steam turbine boilers burn waste oil generated on and off site for energy recovery, and incinerate citrosolv, a boiler cleaning solution, following boiler chemical cleaning. There are numerous tanks used for storing distillate, lubrication and/or electrical cable oils at this facility. A complete list of tanks is included in the documentation section of this application. Twelve combustion turbine-generators ( four of which contain two engines per generator ) are maintained on site to meet system load demands. The following regulations are added to this permit renewal: Parts 242, 243,244, 245. These regulations deal with CO2, NOx and SO2 Budget Program.

This purpose of this modification is to incorporate the Best Available Retrofit Technology Rule, 6NYCRR Part 249. New emission limits for NOx, Oil Sulfur Content, and PM are included in this permit modification.

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 1282000553**



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:           ROGER EVANS  
  NYSDEC - SUNY @ STONY BROOK  
  50 CIRCLE RD  
  STONY BROOK, NY 11790-3409

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

- Submission of application for permit modification or renewal -  
REGION 1 HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**

**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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



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

**Applicable State Requirement: 6 NYCRR 621.13**

**Item 1-1.1:**

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

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

**Condition 4: Permit modifications, suspensions or revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS**

**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 1 Headquarters  
Division of Environmental Permits  
Stony Brook University  
50 Circle Road  
Stony Brook, NY 11790-3409  
(631) 444-0265





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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

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Facility: EF BARRETT POWER STATION  
1 MCCARTHY RD  
ISLAND PARK, NY 11558

Authorized Activity By Standard Industrial Classification Code:  
4911 - ELECTRIC SERVICES

Mod 0 Permit Effective Date: 02/24/2011

Permit Expiration Date: 02/23/2016

Mod 1 Permit Effective Date: 03/27/2012

Permit Expiration Date: 02/23/2016



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 202-2.1: Compliance Certification
- 7 6 NYCRR 202-2.5: Recordkeeping requirements
- 8 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 6 NYCRR 211.3: Visible Emissions Limited
- 21 40 CFR Part 68: Accidental release provisions.
- 22 40 CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 24 6 NYCRR 201-6.5 (e): Compliance Certification
- 1-1 6 NYCRR 211.1: Air pollution prohibited
- 1-2 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 1-3 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 1-4 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 25 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 26 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 27 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 1-5 6 NYCRR 225-2.3: Compliance Certification
- 28 6 NYCRR 225-2.3: Compliance Certification
- 1-6 6 NYCRR 227-1.3 (a): Compliance Certification
- 29 6 NYCRR 227-1.3 (a): Compliance Certification
- 30 6 NYCRR 227-1.3 (a): Compliance Certification
- 1-7 6 NYCRR Subpart 227-2: Compliance Certification
- 31 6 NYCRR Subpart 227-2: Compliance Certification
- 1-8 6 NYCRR 227.2 (b) (1): Compliance Certification
- 32 6 NYCRR 227.2 (b) (1): Compliance Certification
- 33 6 NYCRR 243-1.6 (a): Permit Requirements
- 34 6 NYCRR 243-1.6 (b): Monitoring requirements



- 35 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
  - 36 6 NYCRR 243-1.6 (d): Excess emission requirements
  - 37 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
  - 38 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
  - 39 6 NYCRR 243-2.4: Certificate of representation
  - 40 6 NYCRR 243-8.1: General requirements
  - 41 6 NYCRR 243-8.1: Prohibitions
  - 42 6 NYCRR 243-8.5 (d): Quarterly reports
  - 43 6 NYCRR 243-8.5 (e): Compliance certification
  - 44 6 NYCRR Subpart 244-1: CAIR NOx Annual Trading Program General Conditions
  - 45 6 NYCRR Subpart 244-2: Designated CAIR Representative
  - 46 6 NYCRR Subpart 244-8: Compliance Certification
  - 47 6 NYCRR Subpart 245-1: CAIR SO2 Trading Program General Provisions
  - 48 6 NYCRR Subpart 245-2: Designated CAIR Representative
  - 49 6 NYCRR Subpart 245-8: Compliance Certification
  - 1-9 6 NYCRR 249.3 (d): Compliance Certification
  - 50 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting
- Emission Unit Level**
- 51 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
  - 52 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

**EU=U-00001**

- 1-10 6 NYCRR 249.3 (f): Compliance Certification

**EU=U-00001,EP=00001**

- 1-11 6 NYCRR 227-1.3 (a): Compliance Certification
- 53 6 NYCRR 227-1.3 (a): Compliance Certification

**EU=U-00002**

- 1-12 6 NYCRR 249.3 (a): Compliance Certification
- 1-13 6 NYCRR 249.3 (a): Compliance Certification
- 1-14 6 NYCRR 249.3 (a): Compliance Certification
- 1-15 6 NYCRR 249.3 (a): Compliance Certification
- 1-16 6 NYCRR 249.3 (f): Compliance Certification

**EU=U-00002,EP=00002**

- 1-17 6 NYCRR 227-1.3 (a): Compliance Certification
- 54 6 NYCRR 227-1.3 (a): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 55 ECL 19-0301: Contaminant List
- 56 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 57 6 NYCRR 211.2: Air pollution prohibited
- 1-18 6 NYCRR 211.2: Visible Emissions Limited
- 1-19 6 NYCRR 211.2: Compliance Demonstration
- 77 6 NYCRR 242-1.4 (b): Compliance Demonstration

**New York State Department of Environmental Conservation**

**Permit ID: 1-2820-00553/00025**

**Facility DEC ID: 1282000553**



- 78 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 79 6 NYCRR Subpart 242-4: Compliance Demonstration
- 80 6 NYCRR Subpart 242-8: Compliance Demonstration
- 81 6 NYCRR 242-8.5: Compliance Demonstration



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

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

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

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

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

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

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

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

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

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**

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

**Condition 2: Fees**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 2.1:**

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

**Condition 3: Recordkeeping and reporting of compliance monitoring**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 3.1:**



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

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

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

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

**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 4.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 5: Compliance Certification**

**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-00553/00025

Facility DEC ID: 1282000553



written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

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**Condition 6: Compliance Certification**  
Effective between the dates of 02/24/2011 and 02/23/2016

**Applicable Federal Requirement:6 NYCRR 202-2.1**

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 7: Recordkeeping requirements**  
Effective between the dates of 02/24/2011 and 02/23/2016

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 7.1:**

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

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 8: Open Fires Prohibited at Industrial and Commercial Sites**  
Effective between the dates of 02/24/2011 and 02/23/2016

**Applicable Federal Requirement:6 NYCRR Part 215**

**Item 8.1:**

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

**Condition 9: Open Fires - Prohibitions**  
Effective between the dates of 02/24/2011 and 02/23/2016



**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**

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

**Item 9.2**

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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



**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.**

**[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment**  
Effective between the dates of 02/24/2011 and 02/23/2016

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**

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

**Condition 11: Recycling and Salvage**  
Effective between the dates of 02/24/2011 and 02/23/2016

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 11.1:**

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

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
Effective between the dates of 02/24/2011 and 02/23/2016

**Applicable Federal Requirement:6 NYCRR 201-1.8**

**Item 12.1:**

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

**Condition 13: Exempt Sources - Proof of Eligibility**  
Effective between the dates of 02/24/2011 and 02/23/2016

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

**Item 13.1:**

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



determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

**Condition 14: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 14.1:**

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

**Condition 15: Standard Requirement - Provide Information**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 15.1:**

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

**Condition 16: General Condition - Right to Inspect**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 16.1:**

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

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

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

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



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

**Condition 17: Standard Requirements - Progress Reports**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 17.1:**

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

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

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

**Condition 18: Off Permit Changes**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 18.1:**

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

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

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

**Condition 19: Required Emissions Tests**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 19.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air

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contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 20: Visible Emissions Limited**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 211.3**

**Item 20.1:**

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

**Condition 21: Accidental release provisions.**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 21.1:**

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

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

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

**Condition 22: Recycling and Emissions Reduction**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:40CFR 82, Subpart F**

**Item 22.1:**

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

**The following conditions are subject to annual compliance certification**



requirements for Title V permits only.

**Condition 23: Emission Unit Definition**  
Effective between the dates of 02/24/2011 and 02/23/2016

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

**Item 23.1(From Mod 1):**

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

Emission Unit: U-00001

Emission Unit Description:

This unit is a 185 mwe turbine/generator boiler set firing #1, #2 and #6 fuel oils and pipeline natural gas. In addition, this boiler may co-fire waste fuel for energy recovery and citrosolv for incineration. Exhaust is through emission point 00001.

Building(s): BOILERBLD1

**Item 23.2(From Mod 1):**

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

Emission Unit: U-00002

Emission Unit Description:

This unit is a 185 mwe turbine/generator boiler set firing #1, #2 and #6 fuel oils and pipeline natural gas. In addition, this boiler may co-fire waste oil for energy recovery and citrosolv for incineration. Exhaust is through emission point 00002.

Building(s): BOILERBLD2

**Item 23.3(From Mod 1):**

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

Emission Unit: U-00003

Emission Unit Description:

This unit is an industrial steam boiler used to supply auxiliary steam loads required by all onsite facilities.

Building(s): HOUSEBOILE

**Item 23.4(From Mod 1):**

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

Emission Unit: U-00004

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is a "black start" combustion turbine designed to provide sufficient power to bring the entire power station back on line following a catastrophic system collapse. A diesel engine,

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emission point 000S4, emission unit U000S4 is utilized to start this combustion turbine.

Building(s): CT#1

**Item 23.5(From Mod 1):**

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

Emission Unit: U-00005

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the Long Island Electric distribution system.

Building(s): CT#2

**Item 23.6(From Mod 1):**

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

Emission Unit: U-00006

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the Long Island Electric distribution system.

Building(s): CT#3

**Item 23.7(From Mod 1):**

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

Emission Unit: U-00007

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the Long Island Electric distribution system.

Building(s): CT#4

**Item 23.8(From Mod 1):**

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

Emission Unit: U-00008

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is a "black start" combustion turbine designed to provide sufficient power to bring the entire power station back on line following a catastrophic system collapse. A diesel engine, emission point 000S8, emission unit 000S8 is utilized to start this combustion engine.

Building(s): CT#5

**Item 23.9(From Mod 1):**

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

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Emission Unit: U-00009

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the Long Island Electric distribution system.

Building(s): CT#6

**Item 23.10(From Mod 1):**

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

Emission Unit: U-00010

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the Long Island Electric distribution system.

Building(s): CT#7

**Item 23.11(From Mod 1):**

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

Emission Unit: U-00011

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the Long Island Electric distribution system.

Building(s): CT#8

**Item 23.12(From Mod 1):**

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

Emission Unit: U-00012

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is paired with emission unit U00013 to operate a single generator. The emission point, emission unit, emission source and processes are completely independent, the generator is the only common component. Inlet water fogging may be utilized at maximum load to reduce NOx formation.

Building(s): CT#9

**Item 23.13(From Mod 1):**

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

Emission Unit: U-00013

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is paired with emission unit U00012 to operate a single generator. The emission point, emission unit, emission source and



processes are completely independent, the generator is the only common component. Inlet water fogging may be utilized at maximum load to reduce NOx formation.

Building(s): CT#9

**Item 23.14(From Mod 1):**

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

Emission Unit: U-00014

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is paired with emission unit U00015 to operate a single generator. The emission point, emission unit, emission source and processes are completely independent, the generator is the only common component. Inlet water fogging may be utilized at maximum load to reduce NOx formation.

Building(s): CT#10

**Item 23.15(From Mod 1):**

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

Emission Unit: U-00015

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is paired with emission unit U00014 to operate a single generator. The emission point, emission unit, emission source and processes are completely independent, the generator is the only common component. Inlet water fogging may be utilized at maximum load to reduce NOx formation.

Building(s): CT#10

**Item 23.16(From Mod 1):**

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

Emission Unit: U-00016

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is paired with emission unit U00017 to operate a single generator. The emission point, emission unit, emission source and processes are completely independent, the generator is the only common component. Inlet water fogging may be utilized at maximum load to reduce NOx formation.

Building(s): CT#11

**Item 23.17(From Mod 1):**

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

Emission Unit: U-00017

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is paired with emission unit U00016 to operate a single generator. The emission point, emission unit, emission source and processes are completely independent, the generator is the only common component. Inlet water fogging may be utilized at maximum load to reduce NOx formation.

Building(s): CT#11

**Item 23.18(From Mod 1):**

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

Emission Unit: U-00018

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is paired with emission unit U00019 to operate a single generator. The emission point, emission unit, emission source and processes are completely independent, the generator is the only common component. Inlet water fogging may be utilized at maximum load to reduce NOx formation.

Building(s): CT#12

**Item 23.19(From Mod 1):**

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

Emission Unit: U-00019

Emission Unit Description:

This unit is a combustion turbine used to supply peak generation capacity, as required to support the long island electric distribution system. This unit is paired with emission unit U00018 to operate a single generator. The emission point, emission unit, emission source and processes are completely independent, the generator is the only common component. Inlet water fogging may be utilized at maximum load to reduce NOx formation.

Building(s): CT#12

**Item 23.20(From Mod 1):**

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

Emission Unit: U-000S4

Emission Unit Description:

This unit is a 340 hp diesel engine used to start the black start combustion turbine, designated emission unit U00004. This unit only operates during startup of the combustion turbine, generally less than 15 minutes per



event.

Building(s): CT#1

**Item 23.21(From Mod 1):**

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

Emission Unit: U-000S8

Emission Unit Description:

This unit is a 340 hp diesel engine used to start the "black start" combustion turbine, designated emission unit U00008. This unit only operates during startup of the combustion turbine, generally less than 15 minutes per event

Building(s): CT#5

**Condition 24: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in

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this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

NYSDEC- Region 1 Headquarters  
Stony Brook University  
50 Circle Road  
Stony Brook, NY 11790-3409

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due on the same day each year

**Condition 1-1: Air pollution prohibited**  
**Effective between the dates of 03/27/2012 and 02/23/2016**



**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 1-1.1:**

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 1-2: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

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

**Item 1-2.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 1-2.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This unit is restricted to burning low sulfur fuel in order to limit SO<sub>2</sub> emissions. All fuel is purchased on specification. Source tank to be verified in compliance with limit. Deliveries may continue until fuel added to source tank.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 1 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.37 percent by weight  
Reference Test Method: ASTM D-4294  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2013.  
Subsequent reports are due every 12 calendar month(s).

**Condition 1-3: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

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

**Item 1-3.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-3.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This unit is restricted to burning low sulfur fuel in order to limit SO<sub>2</sub> emissions. All fuel is purchased on specification. Source tank to be verified in compliance with limit. Deliveries may continue until fuel added to source tank.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.37 percent by weight

Reference Test Method: ASTM D-4294

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

**Condition 1-4: Compliance Certification**

**Effective between the dates of 03/27/2012 and 02/23/2016**

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

**Item 1-4.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-4.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This unit is restricted to burning low sulfur fuel in

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order to limit SO<sub>2</sub> emissions. All fuel is purchased on specification. Source tank to be verified in compliance with limit. Deliveries may continue until fuel added to source tank.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.37 percent by weight  
Reference Test Method: ASTM D-4294  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2013.  
Subsequent reports are due every 12 calendar month(s).

**Condition 25: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This unit is restricted to burning low sulfur fuel in order to limit SO<sub>2</sub> emissions. All fuel is purchased on specification. Source tank to be verified in compliance with limit. Deliveries may continue until fuel added to source tank.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 1 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.37 percent by weight  
Reference Test Method: ASTM D-4294  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 12 calendar month(s).

**Condition 26: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

This unit is restricted to burning low sulfur fuel in order to limit SO<sub>2</sub> emissions. All fuel is purchased on specification. Source tank to be verified in compliance with limit. Deliveries may continue until fuel added to source tank.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.37 percent by weight  
Reference Test Method: ASTM D-4294  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 12 calendar month(s).

**Condition 27: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

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

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**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

This unit is restricted to burning low sulfur fuel in order to limit SO<sub>2</sub> emissions. All fuel is purchased on specification. Source tank to be verified in compliance with limit. Deliveries may continue until fuel added to source tank.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.37 percent by weight

Reference Test Method: ASTM D-4294

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 1-5: Compliance Certification**

**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable Federal Requirement: 6 NYCRR 225-2.3**

**Item 1-5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Combustion of waste fuel is in accordance with procedures and practices previously established with the NYSDEC . Waste fuel is tested for compliance with 6NYCRR Part 225-2.3 and co-fired with primary boiler fuel at a maximum rate equivalent to 5% of the total heat input into the boiler. Lead, PCB's, and total halogens are tested on every delivery from off site. ( only Nationalgrid waste fuel is accepted ). Monthly samples are collected and analyzed from each waste fuel tank on site. Analysis for sulfur and heat content have been waived by the NYSDEC since the co-firing rate restrictions insures that the "as burned" waste fuel in the boiler is always within the limitations of Part 225-2.3. Lead, PCB's and halogens

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limitations are complied with on an "as delivered" and/or "as generated" basis.

Reference Test Method: ASTM

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 28: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 225-2.3**

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Combustion of waste fuel is in accordance with procedures and practices previously established with the NYSDEC . Waste fuel is tested for compliance with 6NYCRR Part 225-2.3 and co-fired with primary boiler fuel at a maximum rate equivalent to 5% of the total heat input into the boiler. Lead, PCB's, and total halogens are tested on every delivery from off site. ( only Nationalgrid waste fuel is accepted ). Monthly samples are collected and analyzed from each waste fuel tank on site. Analysis for sulfur and heat content have been waived by the NYSDEC since the co-firing rate restrictions insures that the "as burned" waste fuel in the boiler is always within the limitations of Part 225-2.3. Lead, PCB's and halogens limitations are complied with on an "as delivered" and/or "as generated" basis.

Reference Test Method: ASTM

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

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**Condition 1-6: Compliance Certification**  
Effective between the dates of 03/27/2012 and 02/23/2016

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

**Item 1-6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-6.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Visible emissions at the facility are limited to 20 percent opacity , except for one six minute period per hour not to exceed 27 percent, based upon the six minute average as stated in Reference Method 9 Appendix A 40CFR60. This condition applies to emission units 4 thru 19. Owner or operator shall perform at least once per calendar year a Method 9 at each listed combustion unit. Readings shall be performed by a Certified Visible Emission Evaluator. The results of each observation shall be recorded in a bound log book or other format acceptable to the Department, kept at a designated office for at least five years, and made available to NYSDEC representatives upon request. Additional opacity readings may be required by the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40CFR 60 Appendix A Method 9

Monitoring Frequency: MINIMUM - ONCE PER CALENDAR YEAR

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

**Condition 29: Compliance Certification**  
Effective between the dates of 02/24/2011 and 02/23/2016

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

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

Compliance Certification shall include the following monitoring:

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

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**Monitoring Description:**

Visible emissions at the facility are limited to 20 percent opacity, except for one six minute period per hour not to exceed 27 percent, based upon the six minute average as stated in Reference Method 9 Appendix A 40CFR60. This condition applies to emission units 4 thru 19. Owner or operator shall perform at least once per calendar year a Method 9 at each listed combustion unit. Readings shall be performed by a Certified Visible Emission Evaluator. The results of each observation shall be recorded in a bound log book or other format acceptable to the Department, kept at a designated office for at least five years, and made available to NYSDEC representatives upon request. Additional opacity readings may be required by the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40CFR 60 Appendix A Method 9

Monitoring Frequency: MINIMUM - ONCE PER CALENDAR YEAR

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

**Condition 30: Compliance Certification**

**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 30.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 1-7: Compliance Certification**

**Effective between the dates of 03/27/2012 and 02/23/2016**



**Applicable Federal Requirement:6 NYCRR Subpart 227-2**

**Item 1-7.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 1-7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx RACT compliance is on a system-wide basis for all KeySpan owned and/or operated affected facilities. The NOx RACT Plan has been approved by the NYSDEC.

Reference Test Method: 40CFR60 APP B  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 31: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR Subpart 227-2**

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx RACT compliance is on a system-wide basis for all KeySpan owned and/or operated affected facilities. The NOx RACT Plan has been approved by the NYSDEC.

Reference Test Method: 40CFR60 APP B  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2011.



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

**Condition 1-8: Compliance Certification**  
Effective between the dates of 03/27/2012 and 02/23/2016

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

**Item 1-8.1:**

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

- Emission Unit: U-00001
- Emission Unit: U-00002
- Emission Unit: U-00003
- Emission Unit: U-00004
- Emission Unit: U-00005
- Emission Unit: U-00006
- Emission Unit: U-00007
- Emission Unit: U-00008
- Emission Unit: U-00009
- Emission Unit: U-00010
- Emission Unit: U-00011
- Emission Unit: U-00012
- Emission Unit: U-00013
- Emission Unit: U-00014
- Emission Unit: U-00015
- Emission Unit: U-00016
- Emission Unit: U-00017
- Emission Unit: U-00018
- Emission Unit: U-00019
- Emission Unit: U-000S4
- Emission Unit: U-000S8

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Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-8.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation units 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 matter emission to demonstrate compliance with the established limit in this condition.

2-Perform a stack test, based upon the approved protocol.

3-Submit to the Department a stack test report for approval.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: 40CFR60 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 7/30/2012.

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

**Condition 32: Compliance Certification**

**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 32.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003



Emission Unit: U-00004

Emission Unit: U-00005

Emission Unit: U-00006

Emission Unit: U-00007

Emission Unit: U-00008

Emission Unit: U-00009

Emission Unit: U-00010

Emission Unit: U-00011

Emission Unit: U-00012

Emission Unit: U-00013

Emission Unit: U-00014

Emission Unit: U-00015

Emission Unit: U-00016

Emission Unit: U-00017

Emission Unit: U-00018

Emission Unit: U-00019

Emission Unit: U-000S4

Emission Unit: U-000S8

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

**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for stationary combustion installation units 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 matter emission to demonstrate compliance with the established limit in this

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condition.

2-Perform a stack test, based upon the approved protocol.

3-Submit to the Department a stack test report for approval.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: 40CFR60 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 7/30/2011.

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

**Condition 33: Permit Requirements**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 33.1:**

The CAIR designated representative of each CAIR NO<sub>x</sub> Ozone Season source shall:

(i) submit to the department a complete CAIR permit application under section 243-3.3 in accordance with the deadlines specified in section 243-3.2; and

(ii) submit in a timely manner any supplemental information that the department determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

The owners and operators of each CAIR NO<sub>x</sub> Ozone Season source shall have a CAIR permit issued by the department under Subpart 243-3 for the source and operate the source and the unit in compliance with such CAIR permit.

**Condition 34: Monitoring requirements**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 34.1:**

The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NO<sub>x</sub> Ozone Season source with the CAIR NO<sub>x</sub> Ozone Season emissions limitation under subdivision (c) of this section.

**Condition 35: NO<sub>x</sub> Ozone Season Emission Requirements**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 35.1:**



As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO<sub>x</sub> Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NO<sub>x</sub> ozone season is the period beginning May 1 of a calendar year, except as provided in section 243-1.6(c)(2), and ending on September 30 of the same year, inclusive.

A CAIR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under sections 243-8.1(b)(1), (2), (3), or (7) and for each control period thereafter.

A CAIR NO<sub>x</sub> Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> Ozone Season allowance was allocated.

CAIR NO<sub>x</sub> Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System accounts in accordance with Subparts 243-6, 243-7, and 243-9.

A CAIR NO<sub>x</sub> Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO<sub>x</sub> Ozone Season Trading Program. No provision of the CAIR NO<sub>x</sub> Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under section 243-1.5 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

A CAIR NO<sub>x</sub> Ozone Season allowance does not constitute a property right.

Upon recordation by the Administrator under Subpart 243-6, 243-7, or 243-9, every allocation, transfer, or deduction of a CAIR NO<sub>x</sub> Ozone Season allowance to or from a CAIR NO<sub>x</sub> Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

**Condition 36: Excess emission requirements**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 36.1:**

If a CAIR NO<sub>x</sub> Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO<sub>x</sub> Ozone Season emissions limitation, then:

(1) the owners and operators of the source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall surrender the CAIR NO<sub>x</sub> Ozone Season allowances required for deduction under section 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and

(2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.



**Condition 37: Recordkeeping and reporting requirements**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 37.1:**

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

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

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

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

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

**Condition 38: Authorization and responsibilities of CAIR designated representative**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 38.1:**

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

The CAIR designated representative of the CAIR NOx Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NOx Ozone Season units at the source and shall act in accordance with the certification statement in section 243-2.4(a)(4)(iv).

Upon receipt by the Administrator of a complete certificate of representation under section 243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx Ozone Season source represented and each CAIR NOx Ozone Season unit at the

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source in all matters pertaining to the CAIR NO<sub>x</sub> Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

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

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

**Condition 39: Certificate of representation**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 243-2.4**

**Item 39.1:**

Unless otherwise required by the department or the Administrator, documents of agreement referred to in the certificate of representation shall not be submitted to the department or the Administrator. Neither the department nor the Administrator shall be under any obligation to review or evaluate the sufficiency of such documents, if submitted.

**Condition 40: General requirements**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 40.1:**

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NO<sub>x</sub> Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR NO<sub>x</sub> Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NO<sub>x</sub> Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting



requirements as a CAIR NO<sub>x</sub> Ozone Season unit.

'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR NO<sub>x</sub> Ozone Season unit shall:

- (1) install all monitoring systems required under this Subpart for monitoring NO<sub>x</sub> mass emissions and individual unit heat input (including all systems required to monitor NO<sub>x</sub> emission rate, NO<sub>x</sub> concentration, stack gas moisture content, stack gas flow rate, CO<sub>2</sub> or O<sub>2</sub> concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);
- (2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraph (a)(1) of this section; and
- (3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

**Condition 41: Prohibitions**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 41.1:**

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

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

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

No owner or operator of a CAIR NO<sub>x</sub> Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this Subpart, except under any one of the following circumstances:

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



accordance with section 243-8.2(d)(3)(i).

**Condition 42: Quarterly reports**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 243-8.5 (d)**

**Item 42.1:**

The CAIR designated representative shall submit quarterly reports, as follows:

If the CAIR NOx Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NOx emissions limitation or if the owner or operator of such unit chooses to report on an annual basis under this Subpart, the CAIR designated representative shall meet the requirements of Subpart H of 40 CFR Part 75 (concerning monitoring of NOx mass emissions) for such unit for the entire year and shall report the NOx mass emissions data and heat input data for such unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with:

(i) for a unit that commences commercial operation before July 1, 2007, the calendar quarter covering May 1, 2008 through June 30, 2008;

(ii) for a unit that commences commercial operation on or after July 1, 2007, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 243-8.1(b), unless that quarter is the third or fourth quarter of 2007 or the first quarter of 2008, in which case reporting shall commence in the quarter covering May 1, 2008 through June 30, 2008.

The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

For CAIR NOx Ozone Season units that are also subject to an Acid Rain emissions limitation or the CAIR NOx Annual Trading Program, CAIR SO2 Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NOx mass emission data, heat input data, and other information required by this Subpart.

**Condition 43: Compliance certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 243-8.5 (e)**

**Item 43.1:**

The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications;



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

(3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NOx emission rate and NOx concentration values substituted for missing data under Subpart D of 40 CFR Part 75 are calculated using only values from a control period and do not systematically underestimate NOx emissions.

**Condition 44: CAIR NOx Annual Trading Program General Conditions  
Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement: 6 NYCRR Subpart 244-1**

**Item 44.1:**

1) As of midnight of March 1, or midnight of the first business day thereafter if March 1 is not a business day, the owners and operators shall hold, in their compliance account, Clean Air Interstate Rule (CAIR) NOx allowances available for compliance deductions for the previous control period (January 1 through December 31), in an amount not less than the total tons of nitrogen oxides emissions from all CAIR NOx units at the source during that control period. A CAIR NOx allowance shall not be deducted for a control period in a calendar year before the year for which the CAIR NOx allowance was allocated. [244-1.6(c)(1), 244-1.2(b)(5), 244-1.2(b)(36), 244-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR NOx allowances available for compliance deductions for the control period starting on the later of January 1, 2009 or the deadline for meeting a CAIR NOx unit's monitor certification requirements under section 244-8.1(b)(1), (2), or (5) and for each control period thereafter. [244-1.6(c)(2)]

3) If a CAIR NOx source emits nitrogen oxides during any control period in excess of the CAIR NOx emissions limitation, the owners and operators of the CAIR NOx source shall surrender the CAIR NOx allowances required for deduction under 6NYCRR Part 244-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this permit, the Act, and applicable State law. [(244-1.6(d))]

4) Unless otherwise provided, the owners and operators of the CAIR NOx source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [244-1.6(e)]

(i) The certificate of representation under 6NYCRR Part 244-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 244-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 244-8, provided that to the extent that 6NYCRR Part 244-8 provides for a three year period for recordkeeping,



the three year period shall apply.

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

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

**Condition 45: Designated CAIR Representative**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR Subpart 244-2**

**Item 45.1:**

1) Each Clean Air Interstate Rule (CAIR) NOx source shall have one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 244-2.2, with regard to all matters under the CAIR NOx Annual Trading Program. The CAIR designated representative shall be selected by an agreement binding on the owners and operators of the source and act in accordance with the certification statement in 6NYCRR Part 244-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 244-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NOx source represented in all matters pertaining to the CAIR NOx Annual Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source. [244-2.1(a), (b) & (c)]

(2) Each submission under the CAIR NOx Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment." [244-2.1(e)]

**Condition 46: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR Subpart 244-8**

**Item 46.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 46.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting NOX emissions

(1) The owners and operators, and to the extent applicable, the CAIR designated representative shall comply with all recordkeeping and reporting requirements in this condition, the applicable recordkeeping and reporting requirements under 40 CFR 75, and the requirements of 6NYCRR Part 244-2.1(e)(1).

(2) The CAIR designated representative shall submit quarterly reports of the the NOx mass emissions data and heat input data for each CAIR NOx unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under 6NYCRR Part 244-8.1(b), unless that quarter is the third or fourth quarter of 2007, in which case reporting shall commence in the quarter covering January 1, 2008 through March 31, 2008.

(3) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

(4) For CAIR NOx units that are also subject to an Acid Rain emissions limitation or the CAIR NOx Ozone Season Trading Program, CAIR SO2 Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NOx mass emission data, heat input data, and other information required by this Subpart.

(5) 'Compliance certification.' The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:



(i) the monitoring data submitted were recorded in accordance with the applicable requirements of 6NYCRR Part 244 and 40 CFR Part 75, including the quality assurance procedures and specifications; and

(ii) for a unit with add-on NO<sub>x</sub> emission controls and for all hours where NO<sub>x</sub> data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NO<sub>x</sub> emissions.

(6) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to 40 CFR part 75. [ 244-8.3(a) ]

(7) Whenever the owner or operator makes a replacement, modification, or change in any certified continuous emission monitoring system under 6NYCRR Part 244-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record NO<sub>x</sub> mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b) . Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system, and any excepted NO<sub>x</sub> monitoring system under appendix E to 40 CFR part 75, under 6NYCRR Part 244-8.1(a)(1) are subject to the recertification requirements in 40 CFR 75.20(g)(6). [224-8.2(d)(2)

Monitoring Frequency: CONTINUOUS  
Averaging Method: ANNUAL TOTAL  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.



The initial report is due 4/30/2011.  
Subsequent reports are due every 3 calendar month(s).

**Condition 47: CAIR SO2 Trading Program General Provisions**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR Subpart 245-1**

**Item 47.1:**

1) As of midnight of March 1, or midnight of the first business day thereafter (if March 1 is not a business day) for a control period, the owners and operators of each Clean Air Interstate Rule (CAIR) SO2 source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO2 allowances available for compliance deductions for the control period (January 1 through December 31) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO2 units at the source. A CAIR SO2 allowance shall not be deducted, for compliance with the requirements under paragraph (2) of this section, for a control period in a calendar year before the year for which the CAIR SO2 allowance was allocated.

[(245-1.2(b)(5), 245-1.6(c)(1), 245-1.2(b)(36), 245-1.6(c)(3)]

2) The owners and operators shall hold in their compliance account, CAIR SO2 allowances available for compliance deductions for the control period starting on the later of January 1, 2010 or the deadline for meeting a CAIR SO2 unit's monitor certification requirements under section 245-8.1(b)(1), (2), or (5) and for each control period thereafter. [245-1.6(c)(2)]

3) If a CAIR SO2 source emits sulfur dioxide during any control period in excess of the CAIR SO2 emissions limitation, the owners and operators of the source shall surrender the CAIR SO2 allowances required for deduction under 6NYCRR Part 245-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law. Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

[(245-1.6(d)]

4) Unless otherwise provided, the owners and operators of the CAIR SO2 source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator: [245-1.6(e)]

(i) The certificate of representation under 6NYCRR Part 245-2.4 for the CAIR designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under 6NYCRR Part 245-2.4 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 6NYCRR Part 245-8, provided that to the extent that 6NYCRR Part 245-8 provides for a three-year period for recordkeeping, the three-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO2 Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO2 Trading Program or to demonstrate compliance with the requirements of the CAIR SO2 Trading Program.

**Condition 48: Designated CAIR Representative**



Effective between the dates of 02/24/2011 and 02/23/2016

Applicable Federal Requirement:6 NYCRR Subpart 245-2

**Item 48.1:**

1) Each CAIR SO<sub>2</sub> source shall have one and only one CAIR designated representative and may have one alternate representative, as per 6NYCRR Part 245-2.2, with regard to all matters under the CAIR SO<sub>2</sub> Trading Program. The CAIR designated representative of the CAIR SO<sub>2</sub> source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO<sub>2</sub> units at the source and shall act in accordance with the certification statement in 6NYCRR Part 245-2.4(a)(4)(iv). Upon receipt by the Administrator of a complete certificate of representation under 6NYCRR Part 245-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR SO<sub>2</sub> source represented and each CAIR SO<sub>2</sub> unit at the source in all matters pertaining to the CAIR SO<sub>2</sub> Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.  
[245-2.1(a), (b) & (c)]

(2) Each submission under the CAIR SO<sub>2</sub> Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO<sub>2</sub> source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."  
[245-2.1(e)]

**Condition 49: Compliance Certification**

Effective between the dates of 02/24/2011 and 02/23/2016

Applicable Federal Requirement:6 NYCRR Subpart 245-8

**Item 49.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting SO<sub>2</sub> emissions:

1) The owners and operators, and to the extent applicable,



the Clean Air Interstate Rule (CAIR) designated representative, of a CAIR SO<sub>2</sub> unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in Subpart 6 NYCRR Part 245-8 and in 40 CFR Part 75, Subparts F and G. For purposes of complying with such requirements, the definitions in section 245-1.2 and 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR SO<sub>2</sub> unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 245-1.2. The owner or operator of a unit that is not a CAIR SO<sub>2</sub> unit but that is monitored under 40 CFR 75.16(b)(2) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR SO<sub>2</sub> unit. [245-8.1]

2) The owner or operator of each CAIR SO<sub>2</sub> unit shall:  
[245-8.1(a)]

(i) install all monitoring systems required under this Subpart for monitoring SO<sub>2</sub> mass emissions and individual unit heat input (including all systems required to monitor SO<sub>2</sub> concentration, stack gas moisture content, stack gas flow rate, CO<sub>2</sub> or O<sub>2</sub> concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.11 and 40 CFR 75.16);

(ii) successfully complete all certification tests required under Part 245-8.2 and meet all other requirements of this section and 40 CFR Part 75 applicable to the monitoring systems under this section; and

(iii) record, report, and quality-assure the data from the monitoring systems under paragraph of this section.

3) The owner or operator shall meet the monitoring system certification and other requirements of section 245-8.1(a)(1) and (2) on or before the following dates. The owner or operator shall record, report, and quality-assure the data from the monitoring systems under section 245-8.1(a)(1) on and after the following dates.  
[245-8.1(b)]

(i) For the CAIR SO<sub>2</sub> unit that commences commercial operation before July 1, 2008, by January 1, 2009.

(ii) For the CAIR SO<sub>2</sub> unit that commences commercial operation on or after July 1, 2008, by the later of the following dates: January 1, 2009; or 90 unit operating days or 180 calendar days, whichever occurs first, after the date on which the unit commences commercial operation.

4) Whenever the owner or operator makes a replacement,



modification, or change in any certified continuous emission monitoring system under section 245-8.1(a)(1) that may significantly affect the ability of the system to accurately measure or record SO<sub>2</sub> mass emissions or heat input rate or to meet the quality-assurance and quality-control requirements of 40 CFR 75.21 or appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system in accordance with 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify each continuous emission monitoring system whose accuracy is potentially affected by the change, in accordance with 40 CFR 75.20(b). Examples of changes to a continuous emission monitoring system that require recertification include: replacement of the analyzer, complete replacement of an existing continuous emission monitoring system, or change in location or orientation of the sampling probe or site. Any fuel flowmeter system under section 245-8.1(a)(1) is subject to the recertification requirements in 40 CFR 75.20(g)(6). [245-8.2(d)(2)]

5) Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D of or appendix D to 40 CFR Part 75. [245-8.3(a)]

6) The CAIR designated representative shall comply with all recordkeeping and reporting requirements in section 245-8.3, the applicable recordkeeping and reporting requirements in Subparts F and G of 40 CFR Part 75, and the requirements of section 245-2.1(e)(1). [245-8.5(a)]

7) The owner or operator of a CAIR SO<sub>2</sub> unit shall comply with requirements of 40 CFR 75.62 for monitoring plans. [245-8.5(b)]

8) The CAIR designated representative shall submit an application to the department within 45 days after completing all initial certification or recertification tests required under section 245-8.2, including the information required under 40 CFR 75.63. [245-8.5(c)]

9) The CAIR designated representative shall submit quarterly reports of the SO<sub>2</sub> mass emissions data and heat input data for each CAIR SO<sub>2</sub> unit, in an electronic



quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with: [245-8.5(d)(1)]

- i) the calendar quarter covering January 1, 2009 through March 31, 2009 for a unit that commences commercial operation before July 1, 2008; or
- ii) for a unit that commences commercial operation on or after July 1, 2008, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 245-8.1(b), unless that quarter is the third or fourth quarter of 2008, in which case reporting shall commence in the quarter covering January 1, 2009 through March 31, 2009.

10) The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.64. [245-8.5(d)(2)]

11) For CAIR SO<sub>2</sub> units that are also subject to an Acid Rain emissions limitation or the CAIR NO<sub>x</sub> Annual Trading Program, CAIR NO<sub>x</sub> Ozone Season Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the SO<sub>2</sub> mass emission data, heat input data, and other information required by this Subpart. [245-8.5(d)(3)]

12) The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that: [245-8.5(e)]

- i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications; and
- ii) for a unit with add-on SO<sub>2</sub> emission controls and for all hours where SO<sub>2</sub> data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate SO<sub>2</sub> emissions.

Monitoring Frequency: CONTINUOUS

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-00553/00025

Facility DEC ID: 1282000553



Averaging Method: ANNUAL TOTAL  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2011.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-9: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 249.3 (d)**

**Item 1-9.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 1-9.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Control equipment or other emission reduction methods approved by the department as BART must be installed and operating no later than January 1, 2014.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 50: Facility Subject to Title IV Acid Rain Regulations and Permitting**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable Federal Requirement:40 CFR Part 72**

**Item 50.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.**

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

**Condition 51: Emission Point Definition By Emission Unit**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 51.1(From Mod 1):**  
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 250

Diameter (in.): 192

NYTMN (km.): 4496.994

NYTME (km.): 614.398

Building: BOILERBLD1



**Item 51.2(From Mod 1):**

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 350

Diameter (in.): 123

NYTMN (km.): 4496.99

NYTME (km.): 614.448

Building: BOILERBLD2

**Item 51.3(From Mod 1):**

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

Emission Unit: U-00003

Emission Point: 00003

Height (ft.): 25

Diameter (in.): 32

NYTMN (km.): 4497.11

NYTME (km.): 614.355

Building: HOUSEBOILE

**Item 51.4(From Mod 1):**

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

Emission Unit: U-00004

Emission Point: 00004

Height (ft.): 52

Diameter (in.): 119

NYTMN (km.): 4497.056

NYTME (km.): 614.336

Building: CT#1

**Item 51.5(From Mod 1):**

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

Emission Unit: U-00005

Emission Point: 00005

Height (ft.): 52

Diameter (in.): 119

NYTMN (km.): 4497.058

NYTME (km.): 614.349

Building: CT#2

**Item 51.6(From Mod 1):**

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

Emission Unit: U-00006

Emission Point: 00006

Height (ft.): 52

Diameter (in.): 119

NYTMN (km.): 4497.05

NYTME (km.): 614.337

Building: CT#3

**Item 51.7(From Mod 1):**

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

Emission Unit: U-00007

Emission Point: 00007

Height (ft.): 52

Diameter (in.): 119



NYTMN (km.): 4497.051 NYTME (km.): 614.351 Building: CT#4

**Item 51.8(From Mod 1):**

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

Emission Unit: U-00008

Emission Point: 00008

Height (ft.): 52 Diameter (in.): 119

NYTMN (km.): 4497.046 NYTME (km.): 614.337 Building: CT#5

**Item 51.9(From Mod 1):**

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

Emission Unit: U-00009

Emission Point: 00009

Height (ft.): 52 Diameter (in.): 119

NYTMN (km.): 4497.047 NYTME (km.): 614.344 Building: CT#6

**Item 51.10(From Mod 1):**

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

Emission Unit: U-00010

Emission Point: 00010

Height (ft.): 52 Diameter (in.): 119

NYTMN (km.): 4497.047 NYTME (km.): 614.351 Building: CT#7

**Item 51.11(From Mod 1):**

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

Emission Unit: U-00011

Emission Point: 00011

Height (ft.): 52 Diameter (in.): 119

NYTMN (km.): 4497.039 NYTME (km.): 614.338 Building: CT#8

**Item 51.12(From Mod 1):**

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

Emission Unit: U-00012

Emission Point: 00012

Height (ft.): 36 Diameter (in.): 91

NYTMN (km.): 4497.039 NYTME (km.): 614.346 Building: CT#9

**Item 51.13(From Mod 1):**

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

Emission Unit: U-00013

New York State Department of Environmental Conservation

Permit ID: 1-2820-00553/00025

Facility DEC ID: 1282000553



Emission Point: 00013  
Height (ft.): 36 Diameter (in.): 91  
NYTMN (km.): 4497.038 NYTME (km.): 614.354 Building: CT#9

**Item 51.14(From Mod 1):**

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

Emission Unit: U-00014

Emission Point: 00014  
Height (ft.): 36 Diameter (in.): 91  
NYTMN (km.): 4497.031 NYTME (km.): 614.34 Building: CT#10

**Item 51.15(From Mod 1):**

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

Emission Unit: U-00015

Emission Point: 00015  
Height (ft.): 36 Diameter (in.): 91  
NYTMN (km.): 4497.032 NYTME (km.): 614.347 Building: CT#10

**Item 51.16(From Mod 1):**

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

Emission Unit: U-00016

Emission Point: 00016  
Height (ft.): 36 Diameter (in.): 91  
NYTMN (km.): 4497.033 NYTME (km.): 614.354 Building: CT#11

**Item 51.17(From Mod 1):**

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

Emission Unit: U-00017

Emission Point: 00017  
Height (ft.): 36 Diameter (in.): 91  
NYTMN (km.): 4497.025 NYTME (km.): 614.34 Building: CT#11

**Item 51.18(From Mod 1):**

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

Emission Unit: U-00018

Emission Point: 00018  
Height (ft.): 36 Diameter (in.): 91  
NYTMN (km.): 4497.026 NYTME (km.): 614.348 Building: CT#12

**Item 51.19(From Mod 1):**

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

New York State Department of Environmental Conservation

Permit ID: 1-2820-00553/00025

Facility DEC ID: 1282000553



Emission Unit: U-00019

Emission Point: 00019

Height (ft.): 36

Diameter (in.): 91

NYTMN (km.): 4497.027 NYTME (km.): 614.356 Building: CT#12

**Item 51.20(From Mod 1):**

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

Emission Unit: U-000S4

Emission Point: 000S4

Height (ft.): 40

Diameter (in.): 3

NYTMN (km.): 4497.019 NYTME (km.): 614.34 Building: CT#1

**Item 51.21(From Mod 1):**

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

Emission Unit: U-000S8

Emission Point: 000S8

Height (ft.): 40

Diameter (in.): 3

NYTMN (km.): 4497.021 NYTME (km.): 614.35 Building: CT#5

**Condition 52: Process Definition By Emission Unit**

**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 52.1(From Mod 1):**

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

Emission Unit: U-00001

Process: P01

Source Classification Code: 1-01-004-04

Process Description:

This process is the combustion of #6 residual oil in a tangentially fired steam electric boiler. In order to improve boiler operation, a fuel additive may be mixed into the residual oil prior to combustion.

Emission Source/Control: ES001 - Combustion

Design Capacity: 1,825 million Btu per hour

**Item 52.2(From Mod 1):**

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

Emission Unit: U-00001

Process: P02

Source Classification Code: 1-01-005-01

Process Description:

This process is the combustion of #1 distillate oil in a tangentially fired steam electric boiler.

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-00553/00025

Facility DEC ID: 1282000553



Emission Source/Control: ES001 - Combustion  
Design Capacity: 1,825 million Btu per hour

**Item 52.3(From Mod 1):**

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

Emission Unit: U-00001  
Process: P03 Source Classification Code: 1-01-005-01  
Process Description:  
This process is the combustion of #2 oil in a tangentially fired steam electric boiler.

Emission Source/Control: ES001 - Combustion  
Design Capacity: 1,825 million Btu per hour

**Item 52.4(From Mod 1):**

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

Emission Unit: U-00001  
Process: P04 Source Classification Code: 1-01-006-04  
Process Description:  
This process is the combustion of pipeline natural gas in a tangentially fired steam electric boiler.

Emission Source/Control: ES001 - Combustion  
Design Capacity: 1,825 million Btu per hour

**Item 52.5(From Mod 1):**

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

Emission Unit: U-00001  
Process: P05 Source Classification Code: 1-01-013-02  
Process Description:  
This process is the co-firing of waste fuel in a tangentially fired steam electric boiler. This fuel is fired in combination with a primary fuel, at a rate not to exceed 5%. Waste oil includes gas main drip water and gas transmission condensate. Waste fuel is tested for compliance with 6NYCRR Part 225-2.3 and co-fired with primary boiler fuel at a maximum rate equivalent to 5% of the total heat input into the boiler. Lead, PCB's, and total halogens are tested on every delivery from off site. ( only Nationalgrid waste fuel is accepted ). Monthly samples are collected and analyzed from each waste fuel tank on site. Analysis for sulfur and heat content have been waived by the NYSDEC since the co-firing rate restrictions insures that the "as burned" waste fuel in the boiler is always within the limitations of Part 225-2.3. Lead, PCB's and halogens limitations are complied with on an "as delivered" and/or "as generated" basis.

Emission Source/Control: ES001 - Combustion



Design Capacity: 1,825 million Btu per hour

**Item 52.6(From Mod 1):**

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

Emission Unit: U-00001

Process: P06

Source Classification Code: 1-01-013-02

Process Description:

This process is the incineration, by co-firing with a primary fuel, of a non-hazardous boiler chemical cleaning solution. Following a chemical cleaning of the water-side of the boilers tubes with an acidic solution, the spent material is evaporated when the boiler is operating at nominal full load. The spent chemical cleanup solution may be from any company owned boiler.

Emission Source/Control: ES001 - Combustion

Design Capacity: 1,825 million Btu per hour

**Item 52.7(From Mod 1):**

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

Emission Unit: U-00002

Process: P07

Source Classification Code: 1-01-004-04

Process Description:

This process is the combustion of #6 residual oil in a tangentially fired steam electric boiler. In order to improve boiler operation, a fuel additive may be mixed into the residual oil prior to combustion.

Emission Source/Control: ES002 - Combustion

Design Capacity: 1,825 million Btu per hour

**Item 52.8(From Mod 1):**

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

Emission Unit: U-00002

Process: P08

Source Classification Code: 1-01-005-01

Process Description:

This process is the combustion of #1 residual oil in a tangentially fired steam electric boiler. In order to improve boiler operation, a fuel additive may be mixed into the residual oil prior to combustion.

Emission Source/Control: ES002 - Combustion

Design Capacity: 1,825 million Btu per hour

**Item 52.9(From Mod 1):**

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

Emission Unit: U-00002

Process: P09

Source Classification Code: 1-01-005-01



Process Description:

This process is the combustion of #2 distillate oil in a tangentially fired steam electric boiler. When natural gas is unavailable, this fuel is used during the initial startup of the boiler

Emission Source/Control: ES002 - Combustion  
Design Capacity: 1,825 million Btu per hour

**Item 52.10(From Mod 1):**

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

Emission Unit: U-00002  
Process: P10 Source Classification Code: 1-01-006-04  
Process Description:

This process is the combustion of pipeline natural gas in a tangentially fired steam electric boiler

Emission Source/Control: ES002 - Combustion  
Design Capacity: 1,825 million Btu per hour

**Item 52.11(From Mod 1):**

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

Emission Unit: U-00002  
Process: P11 Source Classification Code: 1-01-013-02  
Process Description:

This process is the co-firing of waste fuel in a tangentially fired steam electric boiler. This fuel is fired in combination with a primary fuel, at a rate not to exceed 5%. Waste oil includes gas main drip water and gas transmission condensate. Waste fuel is tested for compliance with 6NYCRR Part 225-2.3 and co-fired with primary boiler fuel at a maximum rate equivalent to 5% of the total heat input into the boiler. Lead, PCB's, and total halogens are tested on every delivery from off site. ( only Nationalgrid waste fuel is accepted ). Monthly samples are collected and analyzed from each waste fuel tank on site. Analysis for sulfur and heat content have been waived by the NYSDEC since the co-firing rate restrictions insures that the "as burned" waste fuel in the boiler is always within the limitations of Part 225-2.3. Lead, PCB's and halogens limitations are complied with on an "as delivered" and/or "as generated" basis.

Emission Source/Control: ES002 - Combustion  
Design Capacity: 1,825 million Btu per hour

**Item 52.12(From Mod 1):**

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

Emission Unit: U-00002



Process: P12 Source Classification Code: 1-01-013-02  
Process Description:

This process is the incineration, by co-firing with a primary fuel, of a non-hazardous boiler chemical cleaning solution. Following a chemical cleaning of the water-side of the boilers tubes with an acidic solution, the spent material is evaporated when the boiler is operating at nominal full load. The spent chemical cleanup solution may be from any company owned boiler.

Emission Source/Control: ES002 - Combustion  
Design Capacity: 1,825 million Btu per hour

**Item 52.13(From Mod 1):**

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

Emission Unit: U-00003  
Process: P25 Source Classification Code: 1-02-005-01  
Process Description:

This process involves the combustion of #1 distillate oil in an industrial steam boiler.

Emission Source/Control: ES003 - Combustion  
Design Capacity: 39 million Btu per hour

**Item 52.14(From Mod 1):**

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

Emission Unit: U-00003  
Process: P26 Source Classification Code: 1-02-005-01  
Process Description:

This process involves the combustion of #2 distillate oil in an industrial steam boiler.

Emission Source/Control: ES003 - Combustion  
Design Capacity: 39 million Btu per hour

**Item 52.15(From Mod 1):**

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

Emission Unit: U-00003  
Process: P27 Source Classification Code: 1-02-006-02  
Process Description:

This process involves the combustion of natural gas in an industrial steam boiler.

Emission Source/Control: ES003 - Combustion  
Design Capacity: 39 million Btu per hour

**Item 52.16(From Mod 1):**

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



Emission Unit: U-00004  
Process: P28 Source Classification Code: 2-01-009-01

Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES004 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.17(From Mod 1):**

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

Emission Unit: U-00004  
Process: P29 Source Classification Code: 2-01-001-01

Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES004 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.18(From Mod 1):**

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

Emission Unit: U-00004  
Process: P30 Source Classification Code: 2-01-002-01

Process Description:  
This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES004 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.19(From Mod 1):**

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

Emission Unit: U-00005  
Process: P31 Source Classification Code: 2-01-009-01

Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent



fouling.

Emission Source/Control: ES005 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.20(From Mod 1):**

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

Emission Unit: U-00005  
Process: P32 Source Classification Code: 2-01-001-01  
Process Description:

This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES005 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.21(From Mod 1):**

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

Emission Unit: U-00005  
Process: P33 Source Classification Code: 2-01-002-01  
Process Description:

This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES005 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.22(From Mod 1):**

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

Emission Unit: U-00006  
Process: P34 Source Classification Code: 2-01-009-01  
Process Description:

This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES006 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.23(From Mod 1):**

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



Emission Unit: U-00006  
Process: P35 Source Classification Code: 2-01-001-01

Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES006 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.24(From Mod 1):**

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

Emission Unit: U-00006  
Process: P36 Source Classification Code: 2-01-002-01

Process Description:  
This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES006 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.25(From Mod 1):**

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

Emission Unit: U-00007  
Process: P37 Source Classification Code: 2-01-009-01

Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES007 - Combustion  
Design Capacity: 276 million Btu per hour

**Item 52.26(From Mod 1):**

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

Emission Unit: U-00007  
Process: P38 Source Classification Code: 2-01-001-01

Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent

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fouling.

Emission Source/Control: ES007 - Combustion

Design Capacity: 276 million Btu per hour

**Item 52.27(From Mod 1):**

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

Emission Unit: U-00007

Process: P39

Source Classification Code: 2-01-002-01

Process Description:

This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES007 - Combustion

Design Capacity: 276 million Btu per hour

**Item 52.28(From Mod 1):**

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

Emission Unit: U-00008

Process: P40

Source Classification Code: 2-01-009-01

Process Description:

This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES008 - Combustion

Design Capacity: 322 million Btu per hour

**Item 52.29(From Mod 1):**

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

Emission Unit: U-00008

Process: P41

Source Classification Code: 2-01-001-01

Process Description:

This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES008 - Combustion

Design Capacity: 322 million Btu per hour

**Item 52.30(From Mod 1):**

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



Emission Unit: U-00008  
Process: P42 Source Classification Code: 2-01-002-01  
Process Description:  
This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES008 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.31(From Mod 1):**

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

Emission Unit: U-00009  
Process: P43 Source Classification Code: 2-01-009-01  
Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES009 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.32(From Mod 1):**

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

Emission Unit: U-00009  
Process: P44 Source Classification Code: 2-01-001-01  
Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES009 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.33(From Mod 1):**

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

Emission Unit: U-00009  
Process: P45 Source Classification Code: 2-01-002-01  
Process Description:  
This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES009 - Combustion  
Design Capacity: 322 million Btu per hour



**Item 52.34(From Mod 1):**

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

Emission Unit: U-00010  
Process: P46 Source Classification Code: 2-01-009-01  
Process Description:

This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES010 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.35(From Mod 1):**

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

Emission Unit: U-00010  
Process: P47 Source Classification Code: 2-01-001-01  
Process Description:

This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES010 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.36(From Mod 1):**

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

Emission Unit: U-00010  
Process: P48 Source Classification Code: 2-01-002-01  
Process Description:

This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES010 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.37(From Mod 1):**

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

Emission Unit: U-00011  
Process: P49 Source Classification Code: 2-01-009-01  
Process Description:

This process is the combustion of #1 distillate oil in a

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combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES011 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.38(From Mod 1):**

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

Emission Unit: U-00011  
Process: P50  
Source Classification Code: 2-01-001-01  
Process Description:

This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES011 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.39(From Mod 1):**

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

Emission Unit: U-00011  
Process: P51  
Source Classification Code: 2-01-002-01  
Process Description:

This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES011 - Combustion  
Design Capacity: 322 million Btu per hour

**Item 52.40(From Mod 1):**

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

Emission Unit: U-00012  
Process: P52  
Source Classification Code: 2-01-009-01  
Process Description:

This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES012 - Combustion  
Design Capacity: 334 million Btu per hour



**Item 52.41(From Mod 1):**

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

Emission Unit: U-00012  
Process: P53 Source Classification Code: 2-01-001-01  
Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES012 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.42(From Mod 1):**

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

Emission Unit: U-00012  
Process: P54 Source Classification Code: 2-01-002-01  
Process Description:  
This is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES012 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.43(From Mod 1):**

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

Emission Unit: U-00013  
Process: P55 Source Classification Code: 2-01-009-01  
Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES013 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.44(From Mod 1):**

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

Emission Unit: U-00013  
Process: P56 Source Classification Code: 2-01-001-01  
Process Description:  
This process is the combustion of #2 distillate oil in a

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combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES013 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.45(From Mod 1):**

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

Emission Unit: U-00013  
Process: P57 Source Classification Code: 2-01-002-01  
Process Description:  
This process is the combustion of pipeline natural gas on a combustion turbine.

Emission Source/Control: ES013 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.46(From Mod 1):**

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

Emission Unit: U-00014  
Process: P58 Source Classification Code: 2-01-009-01  
Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES014 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.47(From Mod 1):**

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

Emission Unit: U-00014  
Process: P59 Source Classification Code: 2-01-001-01  
Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES014 - Combustion  
Design Capacity: 334 million Btu per hour



**Item 52.48(From Mod 1):**

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

Emission Unit: U-00014  
Process: P60 Source Classification Code: 2-01-002-01  
Process Description:  
This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES014 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.49(From Mod 1):**

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

Emission Unit: U-00015  
Process: P61 Source Classification Code: 2-01-009-01  
Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES015 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.50(From Mod 1):**

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

Emission Unit: U-00015  
Process: P62 Source Classification Code: 2-01-001-01  
Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES015 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.51(From Mod 1):**

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

Emission Unit: U-00015  
Process: P63 Source Classification Code: 2-01-002-01  
Process Description:  
This process is the combustion of pipeline natural gas in

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a combustion turbine.

Emission Source/Control: ES015 - Combustion

Design Capacity: 334 million Btu per hour

**Item 52.52(From Mod 1):**

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

Emission Unit: U-00016

Process: P64

Source Classification Code: 2-01-009-01

Process Description:

This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES016 - Combustion

Design Capacity: 334 million Btu per hour

**Item 52.53(From Mod 1):**

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

Emission Unit: U-00016

Process: P65

Source Classification Code: 2-01-001-01

Process Description:

This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES016 - Combustion

Design Capacity: 334 million Btu per hour

**Item 52.54(From Mod 1):**

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

Emission Unit: U-00016

Process: P66

Source Classification Code: 2-01-002-01

Process Description:

This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES016 - Combustion

Design Capacity: 334 million Btu per hour

**Item 52.55(From Mod 1):**

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



Emission Unit: U-00017  
Process: P67 Source Classification Code: 2-01-009-01

Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES017 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.56(From Mod 1):**

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

Emission Unit: U-00017  
Process: P68 Source Classification Code: 2-01-001-01

Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES017 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.57(From Mod 1):**

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

Emission Unit: U-00017  
Process: P69 Source Classification Code: 2-01-002-01

Process Description:  
This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES017 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.58(From Mod 1):**

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

Emission Unit: U-00018  
Process: P70 Source Classification Code: 2-01-009-01

Process Description:  
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent

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fouling.

Emission Source/Control: ES018 - Combustion

Design Capacity: 334 million Btu per hour

**Item 52.59(From Mod 1):**

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

Emission Unit: U-00018

Process: P71

Source Classification Code: 2-01-001-01

Process Description:

This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES018 - Combustion

Design Capacity: 334 million Btu per hour

**Item 52.60(From Mod 1):**

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

Emission Unit: U-00018

Process: P72

Source Classification Code: 2-01-002-01

Process Description:

This is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES018 - Combustion

Design Capacity: 334 million Btu per hour

**Item 52.61(From Mod 1):**

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

Emission Unit: U-00019

Process: P73

Source Classification Code: 2-01-009-01

Process Description:

This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES019 - Combustion

Design Capacity: 334 million Btu per hour

**Item 52.62(From Mod 1):**

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



Emission Unit: U-00019  
Process: P74 Source Classification Code: 2-01-001-01

Process Description:  
This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES019 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.63(From Mod 1):**

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

Emission Unit: U-00019  
Process: P75 Source Classification Code: 2-01-002-01

Process Description:  
This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES019 - Combustion  
Design Capacity: 334 million Btu per hour

**Item 52.64(From Mod 1):**

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

Emission Unit: U-000S4  
Process: P91 Source Classification Code: 2-02-009-02

Process Description:  
This process is the combustion of #1 distillate oil in a diesel engine. This engine is used to start the associated combustion turbine. During each startup the engine operates for less than 15 minutes

Emission Source/Control: ES0S4 - Combustion  
Design Capacity: 340 horsepower (mechanical)

**Item 52.65(From Mod 1):**

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

Emission Unit: U-000S4  
Process: P92 Source Classification Code: 2-01-001-02

Process Description:  
This process is the combustion of #2 distillate oil in a diesel engine. This engine is used to start the associated combustion turbine. During each startup the engine operates for less than 15 minutes

Emission Source/Control: ES0S4 - Combustion  
Design Capacity: 340 horsepower (mechanical)



**Item 52.66(From Mod 1):**

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

Emission Unit: U-000S8  
Process: P93 Source Classification Code: 2-02-009-02  
Process Description:  
This process is the combustion of #1 distillate oil in a diesel engine. This engine is used to start the associated combustion turbine. During each startup the engine operates for less than 15 minutes

Emission Source/Control: ES0S8 - Combustion  
Design Capacity: 340 horsepower (mechanical)

**Item 52.67(From Mod 1):**

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

Emission Unit: U-000S8  
Process: P94 Source Classification Code: 2-01-001-02  
Process Description:  
This process is the combustion of #1 distillate oil in a diesel engine. This engine is used to start the associated combustion turbine. During each startup the engine operates for less than 15 minutes

Emission Source/Control: ES0S8 - Combustion  
Design Capacity: 340 horsepower (mechanical)

**Condition 1-10: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 249.3 (f)**

**Item 1-10.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

**Item 1-10.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emission limits in this permit for NO<sub>x</sub>, SO<sub>2</sub>, and/or PM<sub>10</sub> established under Part 249 are based on New York's Best Available Retrofit Technology (BART) Rule (6 NYCRR Part 249), are effective on the date of this permit's issuance, and are state-enforceable. Federal enforceability of these facility-specific requirements is effective on the date on which these emission limits, as submitted to EPA as a revision to New York State's

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Implementation Plan for Regional Haze, are published in the Federal Register.

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-11: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

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

**Item 1-11.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

**Item 1-11.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity is measured on a continuous opacity monitor as a compliance indicator. Operation and reporting requirements apply when fuel oil is burned. According to Consent Order No. D1-9000-97-08 Appendix A 8- quarterly reports: quarterly opacity incident reports will be submitted to the NYSDEC 60 days following the end of a calendar quarter.

Manufacturer Name/Model Number: SICK OMD41

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 5/30/2012.

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

**Condition 53: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 53.1:**

The Compliance Certification activity will be performed for:

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Emission Unit: U-00001

Emission Point: 00001

**Item 53.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity is measured on a continuous opacity monitor as a compliance indicator. Operation and reporting requirements apply when fuel oil is burned. According to Consent Order No. D1-9000-97-08 Appendix A 8- quarterly reports: quarterly opacity incident reports will be submitted to the NYSDEC 60 days following the end of a calendar quarter.

Manufacturer Name/Model Number: SICK OMD41

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 5/30/2011.

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

**Condition 1-12: Compliance Certification**

**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 249.3 (a)**

**Item 1-12.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-12.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This Particulate limit is required to demonstrate compliance with the EPA Haze Rule.

Stack test is required once per term limit.

Effective: 01/01/14.

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Upper Permit Limit: 0.10 pounds per million Btus  
Reference Test Method: EPA Method 5  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-13: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 249.3 (a)**

**Item 1-13.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

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

**Item 1-13.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This Nitrogen Oxides limit is required to demonstrate compliance with the EPA Haze Rule.

This limit applies when burning natural gas.

Effective: 01/01/2014

Manufacturer Name/Model Number: TBD

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 7

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 1-14: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 249.3 (a)**

**Item 1-14.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

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

**Item 1-14.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This Nitrogen Oxides limit is required to demonstrate compliance with the EPA Haze Rule.

This limit applies when burnig oil.

Effective date: 01/01/2014

Manufacturer Name/Model Number: TBD

Upper Permit Limit: 0.20 pounds per million Btus

Reference Test Method: Method 7

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

**Condition 1-15: Compliance Certification**

**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 249.3 (a)**

**Item 1-15.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

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

**Item 1-15.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This Oil Sulfur Content limit is required to demonstrate compliance with the EPA Haze Rule. This limit will be assumed during any 24-hour averaging period in which oil is fired.

Effective: 01/01/14.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Parameter Monitored: SULFUR CONTENT

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Upper Permit Limit: 0.37 percent by weight  
Reference Test Method: ASTM 4294  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24-HOUR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-16: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable Federal Requirement:6 NYCRR 249.3 (f)**

**Item 1-16.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

**Item 1-16.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emission limits in this permit for NO<sub>x</sub>, SO<sub>2</sub>, and/or PM<sub>10</sub> established under Part 249 are based on New York's Best Available Retrofit Technology (BART) Rule (6 NYCRR Part 249), are effective on the date of this permit's issuance, and are state-enforceable. Federal enforceability of these facility-specific requirements is effective on the date on which these emission limits, as submitted to EPA as a revision to New York State's Implementation Plan for Regional Haze, are published in the Federal Register.

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-17: Compliance Certification**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

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

**Item 1-17.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

**Item 1-17.2:**

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Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity is measured on a continuous opacity monitor as a compliance indicator. Operation and reporting requirements apply when fuel oil is burned. According to Consent Order No. D1-9000-97-08 Appendix A 8- quarterly reports: quarterly opacity incident reports will be submitted to the NYSDEC 60 days following the end of a calendar quarter.

Manufacturer Name/Model Number: SICK OMD41

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Reference Test Method: 40CFR60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 5/30/2012.

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

**Condition 54: Compliance Certification**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

**Item 54.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity is measured on a continuous opacity monitor as a compliance indicator. Operation and reporting requirements apply when fuel oil is burned. According to Consent Order No. D1-9000-97-08 Appendix A 8- quarterly reports: quarterly opacity incident reports will be submitted to the NYSDEC 60 days following the end of a calendar quarter.

Manufacturer Name/Model Number: SICK OMD41

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

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Reference Test Method: 40CFR60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 5/30/2011.

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



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

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

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

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

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

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

**Condition 55: Contaminant List**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 55.1:**  
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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

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

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

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

**Condition 56: Unavoidable noncompliance and violations**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

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

**Item 56.1:**

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

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

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

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which



result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 57: Air pollution prohibited**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 57.1:**

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

**Condition 1-18: Visible Emissions Limited**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 1-18.1:**

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

**Condition 1-19: Compliance Demonstration**  
**Effective between the dates of 03/27/2012 and 02/23/2016**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 1-19.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-19.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, no person shall cause or allow any air contamination source to emit any material having an

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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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2012.  
Subsequent reports are due every 3 calendar month(s).

**Condition 77: Compliance Demonstration**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable State Requirement:6 NYCRR 242-1.4 (b)**

**Item 77.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 77.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) Applicability. Notwithstanding Subdivision (a) of this Section, any unit that, on or before December 1, 2008, applies for a enforceable permit condition restricting the supply of the unit's annual electrical output to the electric grid to less than or equal to 10 percent of the annual gross generation of the unit, and that from and after January 1, 2009 complies with the 10 percent restriction and the provisions in Paragraph (b)(3) of this Section, shall be exempt from the requirements of this Part, except for the provisions of this Section, Sections 242-1.2, 242-1.3, and 242-1.6 of this Part.

(2) Effective date. The exemption under Paragraph (b)(1) of this Section shall become effective as of January 1, 2009 and remain in effect unless and until the unit loses its exemption under Subparagraph (b)(3)(v) of this Section.

(3) Compliance.

(i) A unit exempt under Paragraph (b)(1) of this Section shall comply with the restriction on percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section.

(ii) A unit exempt under Paragraph (b)(1) of this Section shall report to the department the amount of annual gross generation and the amount of annual gross generation supplied to the electric grid during the year by the following February 1st.



(iii) For a period of 10 years from the date the records are created, the owners and operators of a unit exempt under Paragraph (b)(1) of this Section shall retain, at the source that includes the unit, records demonstrating that the conditions of the permit under Paragraph (b)(1) of this Section were met. The 10-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the department. The owners and operators bear the burden of proof that the unit met the restriction on the percentage of annual gross generation that may be supplied to the electric grid.

(iv) The owners and operators and, to the extent applicable, the CO<sub>2</sub> authorized account representative of a unit exempt under Paragraph (b)(1) of this Section shall comply with all the requirements of this Part concerning all time periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

(v) On the earlier of the following dates, a unit exempt under Paragraph (b)(1) of this Section shall lose its exemption:

(a) the date on which the restriction on the percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section is removed from the unit's permit or otherwise becomes no longer applicable in any year that commences on or after January 1, 2009; or

(b) the first date on which the unit fails to comply, or on which the owners and operators fail to meet their burden of proving that the unit is complying, with the restriction on the percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section during any year that commences on or after January 1, 2009.

(vi) A unit that loses its exemption in accordance with Subparagraph (b)(3)(v) of this Section shall be subject to the requirements of this Part. For the purpose of applying permitting requirements under Subpart 242-3 of this Part, allocating allowances under Subpart 242-5 of this Part, and applying monitoring requirements under Subpart 242-8 of this Part, the unit shall be treated as commencing operation on the date the unit loses its exemption.

(4) Reduction in CO<sub>2</sub> Budget Trading Program base budget. In the event that a unit applies for and receives a permit condition that renders the unit exempt under Subdivision

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(b) of this Section, then the department shall reduce the CO2 Budget Trading Program base budget to remove the number of tons equal to the unit's average annual emissions from the previous three calendar years.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2011.

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

**Condition 78: CO2 Budget Trading Program - Excess emission requirements  
Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable State Requirement:6 NYCRR 242-1.5**

**Item 78.1:**

The owners and operators of a CO2 budget source that has excess emissions in any control period shall:

- (1) forfeit the CO2 allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO2 offset allowances may not be used to cover any part of such excess emissions; and
- (2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).

**Condition 79: Compliance Demonstration  
Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable State Requirement:6 NYCRR Subpart 242-4**

**Item 79.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

**Item 79.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Annual Compliance Certification Report:

(a) For each control period in which a CO2 budget source is subject to the CO2 requirements of subdivision 242-1.5(c) of this Part, CO2 authorized account representative of the source shall submit to the department by March 1st following the relevant control period, a compliance certification report.

(b) The compliance certification report shall include the following elements:

- (1) identification of the source and each CO2 budget unit at the source;



(2) as an option, the serial numbers of the CO<sub>2</sub> allowances that are to be deducted from the source's compliance account under section 242-6.5 of this Part for the control period, including the serial numbers of any CO<sub>2</sub> offset allowances that are to be deducted subject to the limitations of section 242-6.5(a)(3) of this Part; and

(3) the compliance certification under subdivision (c) of this section (below).

(c) In the compliance certification report the CO<sub>2</sub> authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the CO<sub>2</sub> budget units at the source in compliance with the CO<sub>2</sub> Budget Trading Program, whether the source and each CO<sub>2</sub> budget unit at the source for which the compliance certification is submitted was operated during the calendar years covered by the report in compliance with the requirements of the CO<sub>2</sub> Budget Trading Program, including:

(1) whether the source was operated in compliance with the CO<sub>2</sub> requirements of section 242-1.5(c) of this Part;

(2) whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute CO<sub>2</sub> emissions to the unit, in accordance with Subpart 242-8 of this Part;

(3) whether all the CO<sub>2</sub> emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(4) whether the facts that form the basis for certification under Subpart 242-8 of each monitor at each unit at the source, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 242-8 of this Part, if any, have changed; and

(5) if a change is required to be reported under paragraph (c)(4) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: MARCH 1



**Condition 80: Compliance Demonstration**  
Effective between the dates of 02/24/2011 and 02/23/2016

**Applicable State Requirement:6 NYCRR Subpart 242-8**

**Item 80.1:**

The Compliance Demonstration activity will be performed for the Facility.

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

**Item 80.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

(a) General provisions. The CO<sub>2</sub> authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO<sub>2</sub> budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO<sub>2</sub> authorized account representative shall submit an application to the department within 45 days after completing all CO<sub>2</sub> monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f).

(d) Quarterly reports. The CO<sub>2</sub> authorized account representative shall submit quarterly reports, as follows:

(1) The CO<sub>2</sub> authorized account representative shall report the CO<sub>2</sub> mass emissions data and heat input data for the CO<sub>2</sub> budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO<sub>2</sub> authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be



submitted for each CO2 budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NOx, and SO2 provisions.

(3) The CO2 authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications;

(ii) for a unit with add-on CO2 emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO2 emissions; and

(iii) the CO2 concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO2 emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

**Condition 81: Compliance Demonstration**  
**Effective between the dates of 02/24/2011 and 02/23/2016**

**Applicable State Requirement: 6 NYCRR 242-8.5**

**Item 81.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

**Item 81.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

(a) General provisions. The CO2 authorized account



representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO<sub>2</sub> budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO<sub>2</sub> authorized account representative shall submit an application to the department within 45 days after completing all CO<sub>2</sub> monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and 40 CFR 75.53(e) and (f).

(d) Quarterly reports. The CO<sub>2</sub> authorized account representative shall submit quarterly reports, as follows:

(1) The CO<sub>2</sub> authorized account representative shall report the CO<sub>2</sub> mass emissions data and heat input data for the CO<sub>2</sub> budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO<sub>2</sub> authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO<sub>2</sub> budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NO<sub>x</sub>, and SO<sub>2</sub> provisions.

(3) The CO<sub>2</sub> authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications;

(ii) for a unit with add-on CO<sub>2</sub> emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under

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appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO2 emissions; and  
(iii) the CO2 concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO2 emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2011.

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

