



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6304-00024/00039
Effective Date:

Expiration Date:

Permit Issued To: TC RAVENSWOOD LLC
110 TURNPIKE RD STE 203
WESTBOROUGH, MA 01581

Contact: KEN YAGER
RAVENSWOOD GENERATING STATION
38-54 VERNON BLVD
LONG ISLAND CITY, NY 11101
(718) 706-2702

Facility: RAVENSWOOD GENERATING STATION
38-54 VERNON BLVD
QUEENS, NY 11101

Contact: KEN YAGER
RAVENSWOOD GENERATING STATION
38-54 VERNON BLVD
LONG ISLAND CITY, NY 11101
(718) 706-2702

Description:

The facility will consist of one GE 7FA combustion turbine, one heat recovery steam generator (HRSG) equipped with a duct burner for supplemental firing and one steam turbine. The turbine will fire natural gas with up to 30 days of kerosene, the duct burner will only fire natural gas. The plant will have a nominal generating capacity of approximately 250 megawatts.

This permit modification includes conditions recently promulgated under regulations 6 NYCRR Parts 243, 244, and 245. These regulations require facilities to obtain at least as many 'allocations' of sulfur dioxide (SO₂) and oxides of nitrogen (NO_x) as they emit into the atmosphere during a specified period of time. An 'allocation' is a unit of pollution which is limited by a budget established by the regulations. The Department developed these regulations in response to the United States Environmental Protection Agency's (EPA's) recent "Clean Air Interstate Rule" (CAIR). The regulations are included in New York's 'State Implementation Plan' (SIP) which has been approved by EPA as required by the Clean Air Act of 1990.

In addition, 6 NYCRR Part 242 condition has also been added under CO₂ Budget Trading Program and Greenhouse gas Initiative Requirements.



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

Permit Administrator: JOHN F CRYAN
NYSDEC
47-40 21ST ST
LONG ISLAND CITY, NY 11101-5407

Authorized Signature: _____ Date: ___ / ___ / _____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the 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 2 HEADQUARTERS



DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:



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

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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

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

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

Item 5.1:

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

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

**** Facility Level ****



**Condition 6: Submission of application for permit modification or renewal-REGION 2
HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)**

Item 6.1:

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

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



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: TC RAVENSWOOD LLC
110 TURNPIKE RD STE 203
WESTBOROUGH, MA 01581

Facility: RAVENSWOOD GENERATING STATION
38-54 VERNON BLVD
QUEENS, NY 11101

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

Permit Effective Date:

Permit Expiration Date:



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 2 HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 6NYCRR 211.3: Compliance Certification
- 22 6NYCRR 211.3: Compliance Certification
- 23 40CFR 68: Accidental release provisions.
- 24 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 25 6NYCRR 201-6: Emission Unit Definition
- 26 6NYCRR 201-6.5(c)(3): Compliance Certification
- 27 6NYCRR 207: Submittal of Episode Action Plans
- 28 6NYCRR 225-1.2(d): Compliance Certification
- 29 6NYCRR 225-1.8(d): Sampling, compositing, and analysis of fuel samples
- 30 6NYCRR 231-2.4: Emission offset requirements - NOx
- 31 6NYCRR 231-2.4: Emission offset requirements - VOC
- 32 6NYCRR 243-1.6(a): Permit Requirements
- 33 6NYCRR 243-1.6(b): Monitoring requirements



- 34 6NYCRR 243-1.6(c): NOx Ozone Season Emission Requirements
- 35 6NYCRR 243-1.6(d): Excess emission requirements
- 36 6NYCRR 243-1.6(e): Recordkeeping and reporting requirements
- 37 6NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
- 38 6NYCRR 243-2.4: Certificate of representation
- 39 6NYCRR 243-8.1: General requirements
- 40 6NYCRR 243-8.1: Prohibitions
- 41 6NYCRR 243-8.5(d): Quarterly reports
- 42 6NYCRR 243-8.5(e): Compliance certification
- 43 6NYCRR 244-1: CAIR NOx Annual Trading Program General Conditions
- 44 6NYCRR 244-2: Designated CAIR Representative
- 45 6NYCRR 244-8: Compliance Certification
- 46 6NYCRR 245-1: CAIR SO2 Trading Program General Provisions
- 47 6NYCRR 245-2: Designated CAIR Representative
- 48 6NYCRR 245-8: Compliance Certification
- 49 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 50 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 51 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 52 40CFR 60.13, NSPS Subpart A: Monitoring requirements.

Emission Unit Level

- 53 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 54 6NYCRR 201-6: Process Definition By Emission Unit

EU=U-CC001

- 55 6NYCRR 231-2: Compliance Certification
- 56 6NYCRR 231-2: Compliance Certification
- 57 40CFR 52.21(j), Subpart A: Compliance Certification
- 58 40CFR 52.21(j), Subpart A: Compliance Certification
- 59 40CFR 52.21(j), Subpart A: Compliance Certification
- 60 40CFR 52.21(j), Subpart A: Compliance Certification
- 61 40CFR 52.21(j), Subpart A: Compliance Certification
- 62 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 63 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 64 40CFR 60.12, NSPS Subpart A: Circumvention.
- 65 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification
- 66 40CFR 60.334(b), NSPS Subpart GG: Compliance Certification
- 67 40CFR 72.6(a)(3)(i), Subpart A: Applicability of the Title IV Acid Rain Regulations to a "new" generator unit which consists of multiple emission sources.

EU=U-CC001,Proc=PC1

- 68 40CFR 75.11(d), Subpart B: Compliance Certification

EU=U-CC001,Proc=PC3

- 69 40CFR 75.11(d), Subpart B: Compliance Certification

EU=U-CC001,EP=CC001

- 70 6NYCRR 227-1.3(a): Compliance Certification
- 71 40CFR 75.11(e), Subpart B: Compliance Certification



EU=U-CC001,EP=CC001,Proc=PC1

- 72 6NYCRR 231-2.7(a)(1): Compliance Certification
- 73 6NYCRR 231-2.7(a)(1): Compliance Certification
- 74 40CFR 52.21(j), Subpart A: Compliance Certification
- 75 40CFR 52.21(j), Subpart A: Compliance Certification
- 76 40CFR 52.21(j), Subpart A: Compliance Certification
- 77 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-CC001,EP=CC001,Proc=PC2

- 78 6NYCRR 231-2.7(a)(1): Compliance Certification
- 79 6NYCRR 231-2.7(a)(1): Compliance Certification
- 80 40CFR 52.21(j), Subpart A: Compliance Certification
- 81 40CFR 52.21(j), Subpart A: Compliance Certification
- 82 40CFR 52.21(j), Subpart A: Compliance Certification
- 83 40CFR 52.21(j), Subpart A: Compliance Certification
- 84 40CFR 75.11(e), Subpart B: Compliance Certification

EU=U-CC001,EP=CC001,Proc=PC3

- 85 6NYCRR 231-2.7(a)(1): Compliance Certification
- 86 6NYCRR 231-2.7(a)(1): Compliance Certification
- 87 40CFR 52.21(j), Subpart A: Compliance Certification
- 88 40CFR 52.21(j), Subpart A: Compliance Certification
- 89 40CFR 52.21(j), Subpart A: Compliance Certification
- 90 40CFR 52.21(j), Subpart A: Compliance Certification

EU=U-CC001,EP=CC001,Proc=PC4

- 91 6NYCRR 231-2.7(a)(1): Compliance Certification
- 92 6NYCRR 231-2.7(a)(1): Compliance Certification
- 93 40CFR 52.21(j), Subpart A: Compliance Certification
- 94 40CFR 52.21(j), Subpart A: Compliance Certification
- 95 40CFR 52.21(j), Subpart A: Compliance Certification
- 96 40CFR 52.21(j), Subpart A: Compliance Certification
- 97 40CFR 75.11(e), Subpart B: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 98 ECL 19-0301: Contaminant List
- 99 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 100 6NYCRR 211.2: Air pollution prohibited
- 101 6NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 102 6NYCRR 242-1.5: Compliance Demonstration
- 103 6NYCRR 242-1.5: 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 - 6NYCRR Part 201-1.5

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

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

(1) An emergency occurred and that the facility owner and/or

operator can identify the cause(s) of the emergency;

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

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

(4) The facility owner and/or operator notified the Department

within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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



- Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**



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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the



effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit 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 for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit 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 for entire length of Permit**

Applicable Federal Requirement:6NYCRR 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 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 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 for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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 for entire length of Permit

Applicable Federal Requirement: 6NYCRR 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 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 6: Compliance Certification
Effective for entire length of Permit



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

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:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- 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



Applicable Federal Requirement:6NYCRR 202-2.5

Item 8.1:

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

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

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

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 215

Item 9.1:

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

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

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

**Condition 10: Maintenance of Equipment
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.7

Item 10.1:

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

**Condition 11: Recycling and Salvage
Effective for entire length of Permit**



Applicable Federal Requirement:6NYCRR 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 for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information
Effective for entire length of Permit

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



Item 21.1:

The Compliance Certification activity will be performed for the Facility.

Item 21.2:

Compliance Certification 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 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: 57 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ONE CONTINUOUS 6-MINUTE PERIOD PER HOUR

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 22: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 211.3

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

Item 22.2:

Compliance Certification 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 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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 23: Accidental release provisions.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 68

Item 23.1:

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 24: Recycling and Emissions Reduction
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 24.1:

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 25: Emission Unit Definition
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Item 25.1:

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

Emission Unit: U-CC001

Emission Unit Description:

EMISSION UNIT UCC001 REPRESENTS ONE GE S107FA COMBUSTION TURBINE RATED AT 1779 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 DEGREES FAHRENHEIT AND 2028 MMBTU/HR WHEN FIRING KEROSENE (BACK-UP FUEL) AT -5 DEGREES FAHRENHEIT. THE COMBUSTION TURBINE IS EQUIPPED WITH A DUCT BURNER RATED AT 644 MMBTU/HR (HIGH HEATING VALUE) WHILE FIRING NATURAL GAS. THE COMBINED CYCLE FACILITY GENERATES APPROXIMATELY 250 MW OF POWER.



Building(s): CCRAV01

**Condition 26: Compliance Certification
Effective for entire length of Permit**

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

**Condition 27: Submittal of Episode Action Plans
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 207

Item 27.1:

An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

**Condition 28: Compliance Certification
Effective for entire length of Permit**

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

KEYSPAN ENERGY WILL UTILIZE DISTILLATE FUEL OIL CONTAINING A MAXIMUM 0.2% SULFUR BY WEIGHT AT THE FACILITY, UNLESS PERMIT RESTRICTIONS IMPOSE ADDITIONAL SULFUR LIMITS ON A UNIT-SPECIFIC BASIS. KEYSpan ENERGY IS PROPOSING COMPLIANCE BY TAKING A SAMPLE OF DISTILLATE OIL FROM BULK STORAGE TANK PRIOR TO EACH SERIES OF DELIVERIES, AND TESTING THE SAMPLE FOR SULFUR CONTENT.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.20 percent by weight

Reference Test Method: ASTM METHOD D4292

Monitoring Frequency: PER DELIVERY

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



- (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_x 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 33: Monitoring requirements
Effective for entire length of Permit**

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

Item 33.1:

The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NO_x Ozone Season source with the CAIR NO_x Ozone Season emissions limitation under subdivision (c) of this section.

**Condition 34: NO_x Ozone Season Emission Requirements
Effective for entire length of Permit**

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

Item 34.1:

As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x 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_x Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NO_x 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_x 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_x 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_x Ozone Season allowance was allocated.

CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with Subparts 243-6, 243-7, and 243-9.

A CAIR NO_x Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Ozone Season Trading Program. No



provision of the CAIR NO_x 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_x 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_x Ozone Season allowance to or from a CAIR NO_x Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

**Condition 35: Excess emission requirements
Effective for entire length of Permit**

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

Item 35.1:

If a CAIR NO_x Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:

(1) the owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x 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 36: Recordkeeping and reporting requirements
Effective for entire length of Permit**

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

Item 36.1:

Unless otherwise provided, the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x 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 NO_x 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 37: Authorization and responsibilities of CAIR designated representative
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 243-2.1

Item 37.1:

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 source in all matters pertaining to the CAIR NOx 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 NOx Ozone Season Allowance Tracking System account will be established for a CAIR NOx 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 NOx Ozone Season units at the source.

Each submission under the CAIR NOx Ozone Season Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NOx 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 38: Certificate of representation
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 243-2.4

Item 38.1:

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 39: General requirements
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 243-8.1

Item 39.1:

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NOx Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR NOx Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NOx Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NOx Ozone Season unit.

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

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



requirements of Subpart H of 40 CFR Part 75 (concerning monitoring of NO_x mass emissions) for such unit for the entire year and shall report the NO_x 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 NO_x Ozone Season units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x 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 NO_x mass emission data, heat input data, and other information required by this Subpart.

**Condition 42: Compliance certification
Effective for entire length of Permit**

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

Item 42.1:

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 NO_x emission controls and for all hours where NO_x 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_x emissions; and

(3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NO_x emission rate and NO_x 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 NO_x emissions.



**Condition 43: CAIR NO_x Annual Trading Program General Conditions
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 244-1

Item 43.1:

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) NO_x 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 NO_x units at the source during that control period. A CAIR NO_x allowance shall not be deducted for a control period in a calendar year before the year for which the CAIR NO_x 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 NO_x allowances available for compliance deductions for the control period starting on the later of January 1, 2009 or the deadline for meeting a CAIR NO_x 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 NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, the owners and operators of the CAIR NO_x source shall surrender the CAIR NO_x 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 NO_x 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 NO_x Annual Trading Program.

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

**Condition 44: Designated CAIR Representative
Effective for entire length of Permit**



Applicable Federal Requirement:6NYCRR 244-2

Item 44.1:

1) Each Clean Air Interstate Rule (CAIR) NO_x 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 NO_x 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 NO_x source represented in all matters pertaining to the CAIR NO_x 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 NO_x Annual Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NO_x 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 45: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 244-8

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting NO_x 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 NO_x mass emissions data and heat input data for each CAIR NO_x 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 NO_x units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x 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 NO_x 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_x emission controls and for all hours where NO_x 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.

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

**Condition 46: CAIR SO2 Trading Program General Provisions
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 245-1

Item 46.1:

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 SO 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 47: Designated CAIR Representative
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 245-2

Item 47.1:

1) Each CAIR SO₂ 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 SO₂ Trading Program. The CAIR designated representative of the CAIR SO₂ source shall be selected by an agreement binding on the owners and operators of the source and all CAIR SO₂ 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 SO₂ source represented and each CAIR SO₂ unit at the source in all matters pertaining to the CAIR SO₂ 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 SO₂ Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR SO₂ 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 48: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 245-8

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring and Reporting SO₂ emissions:

1) The owners and operators, and to the extent applicable, the Clean Air Interstate Rule (CAIR) designated representative, of a CAIR SO₂ 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 SO₂ 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 SO₂ 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 SO₂ unit. [245-8.1]

2)The owner or operator of each CAIR SO₂ unit shall:
[245-8.1(a)]

(i) install all monitoring systems required under this Subpart for monitoring SO₂ mass emissions and individual unit heat input (including all systems required to monitor SO₂ concentration, stack gas moisture content, stack gas flow rate, CO₂ or O₂ concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.11 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 SO₂ unit that commences commercial operation before July 1, 2008, by January 1, 2009.

(ii) For the CAIR SO₂ 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 SO₂ 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 SO₂ 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 SO₂ mass emissions data and heat input data for each CAIR SO₂ 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 SO₂ units that are also subject to an Acid Rain emissions limitation or the CAIR NO_x Annual Trading Program, CAIR NO_x 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 SO₂ 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 SO₂ emission controls and for all hours where SO₂ 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 SO₂ emissions.

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL TOTAL
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

**Condition 49: Recordkeeping requirements.
Effective for entire length of Permit**

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



Applicable Federal Requirement:6NYCRR 201-6

Item 53.1:

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

Emission Unit: U-CC001

Emission Point: CC001

Height (ft.): 400

Diameter (in.): 222

NYTMN (km.): 4512.613 NYTME (km.): 588.961 Building: CCRAV01

**Condition 54: Process Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Item 54.1:

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

Emission Unit: U-CC001

Process: PC1

Source Classification Code: 2-01-002-01

Process Description:

EMISSION UNIT UCC001 REPRESENTS A GE S107FA COMBUSTION TURBINE RATED AT 1779 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 DEGREES FAHRENHEIT OPERATING AT 50-100% LOAD. PROCESS PC1 FOR EMISSION UNIT UCC001 REPRESENTS NATURAL GAS FIRING IN THE TURBINE AND NO DUCT BURNER FIRING. FOR THIS PROCESS DRY LOW NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED THROUGH THE USE OF AN OXIDATION CATALYST. TOTAL THROUGHPUT VALUES LISTED BELOW REPRESENT MAXIMUM NATURAL GAS USE FOR THE SHORT-TERM (HOURLY) BASIS WHILE THE ANNUAL QUANTITY PER YEAR OF NATURAL GAS REPRESENTS TURBINE OPERATIONS AT THE AVERAGE ANNUAL TEMPERATURE (54.6 DEGREES FAHRENHEIT).

Emission Source/Control: ESCC1 - Combustion
Design Capacity: 2,028 million Btu per hour

Emission Source/Control: 00OX1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0DLN1 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 0SCR1 - Control



Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 54.2:

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

Emission Unit: U-CC001

Process: PC2

Source Classification Code: 2-01-009-01

Process Description:

EMISSION UNIT UCC001 REPRESENTS A GE S107FA COMBUSTION TURBINE RATED AT 2028 MMBTU/HR WHEN FIRING KEROSENE (BACK-UP FUEL) AT -5 DEGREES FAHRENHEIT OPERATING AT 50-100% LOAD. PROCESS PC2 FOR EMISSION UNIT UCC001 REPRESENTS KEROSENE FIRING IN THE TURBINE AND NO DUCT BURNER FIRING. FOR THIS PROCESS DRY LOW NO_x BURNERS SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED THROUGH THE USE OF AN OXIDATION CATALYST. KEROSENE USE WILL BE LIMITED TO 11.32 MILLION GALLONS PER YEAR, WHICH IS EQUIVALENT TO 720 HOURS PER YEAR OF OPERATION. MAXIMUM TOTAL THROUGHPUT OF KEROSENE ON AN HOURLY BASIS, REPRESENTS TURBINE OPERATIONS AT -5 DEGREES FAHRENHEIT AT FULL LOAD.

Emission Source/Control: ESCC1 - Combustion

Design Capacity: 2,028 million Btu per hour

Emission Source/Control: 00OX1 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0DLN1 - Control

Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 0SCR1 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 54.3:

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

Emission Unit: U-CC001

Process: PC3

Source Classification Code: 2-01-002-01

Process Description:

EMISSION UNIT UCC001 REPRESENTS A GE S107FA COMBUSTION TURBINE RATED AT 1779 MMBTU/HR WHEN FIRING NATURAL GAS (THE PRIMARY FUEL) AT 54.6 DEGREES FAHRENHEIT OPERATING AT 50-100% LOAD. THE COMBUSTION TURBINE IS EQUIPPED WITH A DUCT BURNER RATED AT 644 MMBTU/HR WHILE FIRING NATURAL GAS. PROCESS PC3 FOR EMISSION UNIT UCC001



REPRESENTS NATURAL GAS FIRING IN THE GAS TURBINE AND DUCT BURNER. FOR THIS PROCESS DRY LOW NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED THROUGH THE USE OF AN OXIDATION CATALYST. TOTAL THROUGHPUT VALUES LOCATED BELOW REPRESENT NATURAL GAS USE FOR THE SHORT-TERM (HOURLY) BASIS WHILE THE ANNUAL QUANTITY PER YEAR OF NATURAL GAS REPRESENTS TURBINE OPERATIONS AT THE AVERAGE ANNUAL TEMPERATURE (54.6 DEGREES FAHRENHEIT).

Emission Source/Control: ODB01 - Combustion
Design Capacity: 644 million Btu per hour

Emission Source/Control: ESCC1 - Combustion
Design Capacity: 2,028 million Btu per hour

Emission Source/Control: 00OX1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0DLN1 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 0SCR1 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 54.4:

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

Emission Unit: U-CC001

Process: PC4

Source Classification Code: 2-01-009-01

Process Description:

EMISSION UNIT UCC001 REPRESENTS A GE S107FA COMBUSTION TURBINE RATED AT 2028 MMBTU/HR WHEN FIRING KEROSENE (BACK-UP FUEL) AT -5 DEGREES FAHRENHEIT OPERATING AT 85-100% LOAD. THE COMBUSTION TURBINE IS EQUIPPED WITH A DUCT BURNER RATED AT 644 MMBTU/HR WHILE FIRING NATURAL GAS. PROCESS PC4 FOR EMISSION UNIT UCC001 REPRESENTS KEROSENE FIRING IN THE GAS TURBINE, WHILE NATURAL GAS IS FIRED IN THE DUCT BURNER. FOR THIS PROCESS DRY LOW NO_x BURNERS AND SELECTIVE CATALYTIC REDUCTION ARE USED TO CONTROL NO_x EMISSIONS. EMISSIONS OF VOC AND CO ARE CONTROLLED THROUGH THE USE OF AN OXIDATION CATALYST. KEROSENE USE WILL BE LIMITED TO 11.32 MILLION GALLONS PER YEAR, WHICH IS EQUIVALENT TO 720 HOURS PER YEAR OF OPERATION. MAXIMUM TOTAL THROUGHPUT OF



KEROSENE, ON AN HOURLY BASIS, REPRESENTS
TURBINE OPERATIONS AT -5 D F AT FULL LOAD.

Emission Source/Control: 0DB01 - Combustion
Design Capacity: 644 million Btu per hour

Emission Source/Control: ESCC1 - Combustion
Design Capacity: 2,028 million Btu per hour

Emission Source/Control: 00OX1 - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: 0DLN1 - Control
Control Type: DRY LOW NO_x BURNER

Emission Source/Control: 0SCR1 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 231-2

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

99.2 TONS PER YEAR VOC EMISSION LIMIT.
KEYSPAN ENERGY WILL SHOW COMPLIANCE WITH
VOC EMISSIONS BY STACK TESTING.

Parameter Monitored: VOC

Upper Permit Limit: 99.2 tons per year

Reference Test Method: Method 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 231-2



Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

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

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

142 TONS PER YEAR NO_x EMISSION LIMIT.
KEYSPAN ENERGY WILL USE A CEM TO MONITOR
NO_x EMISSIONS AT THE STACK.

Manufacturer Name/Model Number: CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 142 tons per year

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 57: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

KEYSPAN ENERGY WILL BURN NATURAL GAS AS
A PRIMARY FUEL IN THE COMBUSTION TURBINE
AND AS THE ONLY FUEL IN THE DUCT BURNER.
AN APPROVABLE ALTERNATIVE MONITORING
METHOD INCLUDING FUEL FLOW AND FUEL
SULFUR CONTENT WILL BE DEVELOPED AND
SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF



THIS PERMIT.

Reference Test Method: Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

ALTERNATE FUEL USAGE (KEROSENE) IN THE COMBUSTION TURBINE IS LIMITED TO 11.32 MILLION GALLONS PER YEAR. AN APPROVABLE ALTERNATIVE MONITORING METHOD INCLUDING FUEL FLOW AND FUEL SULFUR CONTENT WILL BE DEVELOPED AND SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THIS PERMIT.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):



CAS No: 007446-09-5 SULFUR DIOXIDE

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

KEYSPAN ENERGY WILL BURN NATURAL GAS AS A PRIMARY FUEL IN THE COMBUSTION TURBINE AND AS THE ONLY FUEL IN THE DUCT BURNER. AN APPROVABLE ALTERNATIVE MONITORING METHOD INCLUDING FUEL FLOW AND FUEL SULFUR CONTENT WILL BE DEVELOPED AND SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THIS PERMIT.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 60: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

KEYSPAN ENERGY WILL BURN NATURAL GAS AS A PRIMARY FUEL IN THE COMBUSTION TURBINE AND AS THE ONLY FUEL IN THE DUCT BURNER. THE FLOW OF KEROSENE TO THE TURBINES SHALL BE CONTINUOUSLY MONITORED.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 61: Compliance Certification
Effective for entire length of Permit



Item 63.2:

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

Condition 64: Circumvention.
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 64.1:

This Condition applies to Emission Unit: U-CC001

Item 64.2:

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

Condition 65: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.334(a), NSPS Subpart GG

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Regulated Contaminant(s):

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

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

KEYSPAN ENERGY IS PROPOSING TO USE A CEM FOR NOX TO SATISFY SUBPART GG REQUIREMENTS.

Manufacturer Name/Model Number: CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.038 pounds per million Btus

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.



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

Condition 66: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.334(b), NSPS Subpart GG

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A custom fuel monitoring plan will be submitted by KeySpan prior to commencement of operation of the gas turbine. Records of fuel supply and sample analysis for the determination of sulfur and nitrogen content in the fuel shall be kept and retained for a period of three (5) years and be available for inspection by personnel of federal, state and local air pollution control agencies.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 67: Applicability of the Title IV Acid Rain Regulations to a "new" generator unit which consists of multiple emission sources.

Effective for entire length of Permit

Applicable Federal Requirement:40CFR 72.6(a)(3)(i), Subpart A

Item 67.1:

This Condition applies to Emission Unit: U-CC001

Item 67.2:

This emission source is part of an affected unit and is subject to the requirements of the Acid Rain Program. These requirements are included in 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78.

Condition 68: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 75.11(d), Subpart B

Item 68.1:



The Compliance Certification activity will be performed for:

Emission Unit: U-CC001
Process: PC1

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

Item 68.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

0.0071 POUNDS PER MILLION BTUS OF SULFUR
DIOXIDE FOR GAS TURBINE WITH NO DUCT
FIRING NATURAL GAS. AN APPROVABLE
ALTERNATIVE (TO CEM) MONITORING METHOD
INCLUDING FUEL FLOW AND FUEL SULFUR
CONTENT WILL BE DEVELOPED AND SUBMITTED
WITHIN 30 DAYS OF ISSUANCE OF THIS
PERMIT.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.0071 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 69: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 75.11(d), Subpart B

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001
Process: PC3

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

Item 69.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

0.0071 POUNDS PER MILLION BTUs OF SULFUR



DIOXIDE FOR GAS TURBINE WITH DUCT FIRING
NATURAL GAS. AN APPROVABLE ALTERNATIVE
(TO CEM) MONITORING METHOD INCLUDING FUEL
FLOW AND FUEL SULFUR CONTENT WILL BE
DEVELOPED AND SUBMITTED WITHIN 30 DAYS OF
ISSUANCE OF THIS PERMIT.

Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 0.0071 pounds per million Btus
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective for entire length of Permit

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Item 70.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

Condition 71: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 75.11(e), Subpart B

Item 71.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-CC001

Emission Point: CC001

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FACILITY KEROSENE USE WILL BE LIMITED TO AN EQUIVALENT OF 720 FULL POWER HRS/YR OR 8.2% OF ANNUAL POTENTIAL SINCE FACILITY QUALIFIES AS A "PRIMARY NATURAL GAS FIRED" (UNDER 40CFR 72.2), CONTINUOUS EMISSION MONITORING OF SO₂ IS NOT REQUIRED. AN APPROVABLE ALTERNATIVE MONITORING METHOD INCLUDING FUEL FLOW AND FUEL SULFUR CONTENT WILL BE DEVELOPED AND SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THIS PERMIT.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 72: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 231-2.7(a)(1)

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Process: PC1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1.2 parts per million by volume (dry, corrected to 15% O₂) VOC EMISSION LIMIT DURING NATURAL GAS FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL WITH NO FUEL FIRING IN THE DUCT BURNER. KEYSpan ENERGY WILL SHOW COMPLIANCE WITH VOC EMISSIONS LIMIT BY STACK TESTING.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit.



There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Parameter Monitored: VOC

Upper Permit Limit: 1.2 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Method 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 73: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 231-2.7(a)(1)

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Process: PC1

Regulated Contaminant(s):

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

2 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) NO_x EMISSION LIMIT DURING NATURAL GAS FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL WITH NO FUEL FIRING IN THE DUCT BURNER. KEYSpan ENERGY WILL USE CEM TO MONITOR NO_x EMISSIONS AT THE STACK.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating



procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Manufacturer Name/Model Number: CEM
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: Method 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC1

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.021 LB/MMBTU PM-10 EMISSION LIMIT DURING NATURAL GAS FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL WITH NO FIRING IN THE DUCT BURNER. KEYSpan ENERGY WILL SHOW COMPLIANCE WITH PM-10 EMISSION LIMIT BY STACK TESTING.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused



if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Parameter Monitored: PM-10
Upper Permit Limit: 0.021 pounds per million Btus
Reference Test Method: METH201/201A & 202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 75: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC1

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

2 PPM (BY VOLUME, DRY, CORRECTED TO 15% O2) CO EMISSION LIMIT DURING NATURAL GAS FIRING IN THE TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL WITH NO FIRING IN THE DUCT BURNER. THIS EMISSION LIMIT APPLIES AT ALL LOADS. KEYSpan ENERGY WILL USE CEM TO MONITOR CO EMISSIONS AT

THE

STACK.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping



and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Manufacturer Name/Model Number: CEM
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 2.0 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: Appendix F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 76: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC1

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

5 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) AMMONIA EMISSION LIMIT DURING NATURAL GAS FIRING IN THE TURBINE WITH NO FUEL FIRING IN THE DUCT BURNER. THIS EMISSION LIMIT APPLIES AT ALL LOADS EXCEPT DURING STARTUP AND SHUTDOWN (NOT TO EXCEED THREE HOURS PER OCCURENCE). AMMONIA EMISSIONS WILL BE CONTROLLED THROUGH PROPER OPERATION OF THE SCR.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Parameter Monitored: AMMONIA

Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Appendix F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.



9 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) NO_x EMISSION LIMIT DURING KEROSENE FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL WITH NO FUEL FIRING IN THE DUCT BURNER. KEYSpan ENERGY WILL USE A CEM TO

MONITOR

NO_x EMISSIONS AT THE STACK.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Manufacturer Name/Model Number: CEM
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: Method 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 79: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-2.7(a)(1)

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC2

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

3 parts per million by volume (dry, corrected to 15% O₂)
VOC EMISSION LIMIT DURING KEROSENE FIRING IN THE GAS



TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL WITH NO FUEL FIRING IN THE DUCT BURNER. KEYSpan ENERGY WILL SHOW COMPLIANCE WITH VOC LIMIT BY STACK TESTING.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Parameter Monitored: VOC

Upper Permit Limit: 3.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Method 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 80: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC2

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

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.057 LB/MMBTU PM-10 EMISSION LIMIT DURING KEROSENE FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL WITH NO FUEL FIRING IN THE DUCT BURNER. KEYSpan ENERGY WILL SHOW COMPLIANCE WITH PM-10 EMISSIONS



LIMIT BY STACK TESTING.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Parameter Monitored: PM-10

Upper Permit Limit: 0.057 pounds per million Btus

Reference Test Method: METH201/201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 81: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Process: PC2

Regulated Contaminant(s):

CAS No: 007664-93-9

SULFURIC ACID

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.014 pounds per million Btus OF

SULFURIC ACID FOR THE GAS TURBINE ALONE

(DUCT BURNER OFF) FIRING KEROSENE.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.014 pounds per million Btus

Reference Test Method: Method 8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 82: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC2

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

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

5 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) CO EMISSION LIMIT DURING KEROSENE FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL WITH NO FUEL FIRING IN THE DUCT BURNER. KEYSpan ENERGY WILL USE A CEM TO MONITOR CO EMISSIONS AT THE STACK.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Manufacturer Name/Model Number: CEM
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: APPENDIX F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).



Condition 83: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC2

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

5 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) AMMONIA EMISSION LIMIT DURING KEROSENE FIRING IN THE TURBINE WITH NO FUEL FIRING IN THE DUCT BURNER. THIS EMISSION LIMIT APPLIES AT ALL LOADS EXCEPT DURING STARTUP AND SHUTDOWN (NOT TO EXCEED THREE HOURS PER OCCURENCE). AMMONIA EMISSIONS WILL BE CONTROLLED THROUGH PROPER OPERATION OF THE SCR.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Parameter Monitored: AMMONIA

Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Appendix F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 84: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 75.11(e), Subpart B

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC2

Regulated Contaminant(s):



CAS No: 007446-09-5 SULFUR DIOXIDE

Item 84.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

FACILITY KEROSENE USE WILL BE LIMITED TO AN EQUIVALENT OF 720 FULL POWER HRS/YR OR 8.2% OF ANNUAL POTENTIAL SINCE FACILITY QUALIFIES AS A "PRIMARY NATURAL GAS FIRED" (UNDER 40CFR 72.2), CONTINUOUS EMISSION MONITORING OF SO₂ IS NOT REQUIRED. AN APPROVABLE ALTERNATIVE MONITORING METHOD INCLUDING FUEL FLOW AND FUEL SULFUR CONTENT WILL BE DEVELOPED AND SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THIS PERMIT.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.044 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 85: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 231-2.7(a)(1)

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Process: PC3

Regulated Contaminant(s):

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

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

3.1 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) NO_x EMISSION LIMIT DURING NATURAL GAS FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL. THIS EMISSION LIMIT APPLIES TO TURBINE AND THE DUCT BURNER OPERATING SIMULTANEOUSLY ON NATURAL GAS. KEYSpan ENERGY WILL USE

A



CEM TO MONITOR NO_x EMISSIONS AT THE STACK.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Manufacturer Name/Model Number: CEM
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 3.1 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: Method 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR BLOCK AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 86: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-2.7(a)(1)

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC3

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

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

7.6 parts per million by volume (dry, corrected to 15% O₂) VOC EMISSION LIMIT DURING NATURAL GAS FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL. THIS EMISSION LIMIT APPLIES TO TURBINE AND THE DUCT BURNER OPERATING SIMULTANEOUSLY ON NATURAL GAS. KEYS PAN

ENERGY

WILL SHOW COMPLIANCE WITH VOC EMISSIONS BY STACK



TESTING.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Parameter Monitored: VOC

Upper Permit Limit: 7.6 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Method 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 87: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC3

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

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.021 LB/MMBTU PM-10 EMISSION LIMIT DURING NATURAL GAS FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL. THIS EMISSION LIMIT APPLIES TO TURBINE AND THE DUCT BURNER OPERATING SIMULTANEOUSLY ON NATURAL

GAS.

KEYSPAN ENERGY WILL SHOW COMPLIANCE WITH PM-10 EMISSION LIMIT BY STACK TESTING.



Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Parameter Monitored: PM-10

Upper Permit Limit: 0.021 pounds per million Btus

Reference Test Method: METH201/201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 88: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001
Process: PC3

Emission Point: CC001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

3.9 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) CO EMISSION LIMIT DURING NATURAL GAS FIRING IN THE GAS TURBINE BASED UPON HIGH HEATING VALUE (HHV) OF FUEL. THIS EMISSION LIMIT APPLIES TO TURBINE AND THE DUCT BURNER OPERATING SIMULTANEOUSLY ON NATURAL GAS. KEYSpan ENERGY WILL USE

A

CEM TO MONITOR CO EMISSIONS AT THE STACK.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit.



There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Manufacturer Name/Model Number: CEM
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 3.9 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Appendix F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 89: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC3

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 89.2:

Compliance Certification shall include the following monitoring:

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

5 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) AMMONIA EMISSION LIMIT DURING NATURAL GAS FIRING IN THE TURBINE WITH DUCT BURNER FIRING. THIS EMISSION LIMIT APPLIES AT ALL LOADS EXCEPT DURING STARTUP AND SHUTDOWN (NOT TO EXCEED THREE HOURS PER OCCURRENCE). AMMONIA EMISSIONS WILL BE CONTROLLED THROUGH PROPER OPERATION OF THE SCR.

Manufacturer Name/Model Number: Continuous Emissions Monitor
Parameter Monitored: AMMONIA



Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Appendix F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 90: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21(j), Subpart A

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Process: PC3

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.0022 pounds per million Btus OF

SULFURIC ACID FOR THE GAS TURBINE WITH A

DUCT BURNER FIRING NATURAL GAS.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.0022 pounds per million Btus

Reference Test Method: Method 8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 91: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 231-2.7(a)(1)

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Process: PC4

Regulated Contaminant(s):



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

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

9 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) NO_x EMISSION
LIMIT DURING KEROSENE FIRING BASED UPON HIGH HEATING

VALUE

(HHV) OF FUEL. THIS EMISSION LIMIT APPLIES TO THE TURBINE
FIRING KEROSENE WHILE THE DUCT BURNER FIRES NATURAL GAS.
KEYSPAN ENERGY WILL USE A CEM TO MONITOR NO_x EMISSIONS AT

THE STACK.

Excess emissions measured by the continuous emissions
monitors systems (CEMS) shall constitute violations of the
applicable emissions standards established in the permit.
There may exist periods of emissions during start-up,
shutdown and equipment malfunction when, despite best
efforts regarding planning, design, and operating
procedures the otherwise applicable emission limitations
cannot be met. At the discretion of the NYSDEC
Commissioner and the EPA, these violations may be excused
if the company adheres to the actions and record keeping
and reporting requirements established in 6 NYCRR Section
201- 1.4 "Unavoidable Non-compliance and Violations and/or
6 NYCRR Section 201- 1.5 "Emergency Defense."

Manufacturer Name/Model Number: CEM

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9.0 parts per million by volume
(dry, corrected to 15% O₂)

Reference Test Method: Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 92: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 231-2.7(a)(1)

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Process: PC4

Regulated Contaminant(s):



CAS No: 0NY998-00-0 VOC

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

9.7 parts per million by volume (dry, corrected to 15% O₂) VOC EMISSION LIMIT DURING KEROSENE FIRING, WITH DUCT FIRING, BASED UPON HIGH HEATING VALUE (HHV) OF FUEL. KEYSpan ENERGY WILL SHOW COMPLIANCE WITH VOC EMISSIONS

BY

STACK TESTING.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Parameter Monitored: VOC

Upper Permit Limit: 9.7 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: Method 25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 93: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC4

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

Item 93.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.057 LB/MMBTU PM-10 EMISSION LIMIT DURING KEROSENE FIRING BASED UPON HIGH HEATING VALUE (HHV) OF FUEL. THIS EMISSION LIMIT APPLIES TO THE TURBINE FIRING KEROSENE WHILE THE DUCT BURNER FIRES NATURAL GAS. KEYSpan ENERGY WILL SHOW COMPLIANCE WITH PM-10 EMISSION LIMIT BY STACK TESTING.

Excess emissions measured by the continuous emissions monitors systems (CEMS) shall constitute violations of the applicable emissions standards established in the permit. There may exist periods of emissions during start-up, shutdown and equipment malfunction when, despite best efforts regarding planning, design, and operating procedures the otherwise applicable emission limitations cannot be met. At the discretion of the NYSDEC Commissioner and the EPA, these violations may be excused if the company adheres to the actions and record keeping and reporting requirements established in 6 NYCRR Section 201- 1.4 "Unavoidable Non-compliance and Violations and/or 6 NYCRR Section 201- 1.5 "Emergency Defense."

Parameter Monitored: PM-10

Upper Permit Limit: 0.057 pounds per million Btus

Reference Test Method: METH201/201A & 202

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 94: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 94.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001
Process: PC4

Emission Point: CC001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 94.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:



5.4 PPM (BY VOLUME, DRY, CORRECTED TO 15% O₂) CO EMISSION
LIMIT DURING KEROSENE FIRING BASED UPON HIGH HEATING
VALUE
(HHV) OF FUEL. THIS EMISSION LIMIT APPLIES TO THE TURBINE
FIRING KEROSENE WHILE THE DUCT BURNER FIRES NATURAL GAS.
KEYSPAN ENERGY WILL USE A CEM TO MONITOR CO EMISSIONS AT
THE STACK.

Excess emissions measured by the continuous emissions
monitors systems (CEMS) shall constitute violations of the
applicable emissions standards established in the permit.
There may exist periods of emissions during start-up,
shutdown and equipment malfunction when, despite best
efforts regarding planning, design, and operating
procedures the otherwise applicable emission limitations
cannot be met. At the discretion of the NYSDEC
Commissioner and the EPA, these violations may be excused
if the company adheres to the actions and record keeping
and reporting requirements established in 6 NYCRR Section
201- 1.4 "Unavoidable Non-compliance and Violations and/or
6 NYCRR Section 201- 1.5 "Emergency Defense."

Manufacturer Name/Model Number: CEM
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 5.4 parts per million by volume
(dry, corrected to 15% O₂)
Reference Test Method: Appendix F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 95: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 95.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC4

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 95.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
5 PPM (BY VOLUME, DRY, CORRECTED TO 15%



O2) AMMONIA EMISSION LIMIT DURING KEROSENE FIRING IN THE TURBINE WITH DUCT BURNER FIRING. THIS EMISSION LIMIT APPLIES AT ALL LOADS EXCEPT DURING STARTUP AND SHUTDOWN (NOT TO EXCEED THREE HOURS PER OCCURENCE). AMMONIA EMISSIONS WILL BE CONTROLLED THROUGH PROPER OPERATION OF THE SCR.

Manufacturer Name/Model Number: Continuous Emissions Monitor

Parameter Monitored: AMMONIA

Upper Permit Limit: 5.0 parts per million by volume
(dry, corrected to 15% O2)

Reference Test Method: Appendix F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 96: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 52.21(j), Subpart A

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001

Emission Point: CC001

Process: PC4

Regulated Contaminant(s):

CAS No: 007664-93-9

SULFURIC ACID

Item 96.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

0.014 pounds per million Btus OF

SULFURIC ACID FOR THE GAS TURBINE WITH
DUCT BURNER FIRING KEROSENE.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 0.014 pounds per million Btus

Reference Test Method: Method 8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 97: Compliance Certification



Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 75.11(e), Subpart B

Item 97.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-CC001 Emission Point: CC001
Process: PC4

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

Item 97.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

FACILITY KEROSENE USE WILL BE LIMITED TO AN EQUIVALENT OF 720 FULL POWER HRS/YR OR 8.2% OF ANNUAL POTENTIAL SINCE FACILITY QUALIFIES AS A "PRIMARY NATURAL GAS FIRED" (UNDER 40CFR 72.2), CONTINUOUS EMISSION MONITORING OF SO₂ IS NOT REQUIRED. AN APPROVABLE ALTERNATIVE MONITORING METHOD INCLUDING FUEL FLOW AND FUEL SULFUR CONTENT WILL BE DEVELOPED AND SUBMITTED WITHIN 30 DAYS OF ISSUANCE OF THIS PERMIT.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.044 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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 98: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement:ECL 19-0301

Item 98.1:

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

CAS No: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 007440-41-7



Name: BERYLLIUM

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 007664-93-9

Name: SULFURIC ACID

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

**Condition 99: Unavoidable noncompliance and violations
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 201-1.4

Item 99.1:

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 superseded 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 100: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 211.2

Item 100.1:

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 101: CO2 Budget Trading Program - Excess emission requirements

Effective for entire length of Permit

Applicable State Requirement:6NYCRR 242-1.5

Item 101.1:

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 102: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 242-1.5

Item 102.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 102.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators and, to the extent applicable, the CO₂ authorized account representative of each CO₂ budget source and each CO₂ budget unit at the source shall comply with the monitoring requirements of Subpart 242-8. The emissions measurements recorded and reported in accordance with Subpart 242-8 of this Part shall be used to determine compliance by the unit with the following CO₂ requirements:

(1) The owners and operators of each CO₂ budget source and each CO₂ budget unit at the source shall hold CO₂ allowances available for compliance deductions under Section 242-6.5, as of the CO₂ allowance transfer deadline, in the source's compliance account in an amount not less than the total CO₂ emissions for the control period from all CO₂ budget units at the source, as determined in accordance with Subparts 242-6 and 242-8.

(2) Each ton of CO₂ emitted in excess of the CO₂ budget emissions limitation shall constitute a separate violation of this Part and applicable state law.

(3) A CO₂ budget unit shall be subject to the requirements specified in item 1 starting on the later, of January 1, 2009 or the date on which the unit commences operation.

(4) CO₂ allowances shall be held in, deducted from, or transferred among CO₂ Allowance Tracking System accounts in accordance with Subparts 242-5, 242-6, and 242-7, and



Section 242-10.7.

(5) A CO₂ allowance shall not be deducted, in order to comply with the requirements specified in item 1, for a control period that ends prior to the allocation year for which the CO₂ allowance was allocated. A CO₂ offset allowance shall not be deducted, in order to comply with the requirements under item 1, beyond the applicable percent limitations set out in 6NYCRR Part 242-6.5(a)(3).

(6) A CO₂ allowance under the CO₂ Budget Trading Program is a limited authorization by the Department or a participating state to emit one ton of CO₂ in accordance with the CO₂ Budget Trading Program. No provision of the CO₂ Budget Trading Program, the CO₂ budget permit application, or the CO₂ budget permit or any provision of law shall be construed to limit the authority of the Department or a participating state to terminate or limit such authorization.

(7) A CO₂ allowance under the CO₂ Budget Trading Program does not constitute a property right.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 103: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 242-1.5

Item 103.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 103.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owners and operators of the CO₂ budget source and each CO₂ budget unit at the source shall keep on site at the source each of the following documents for a period of 10 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 10 years, in writing by the department.

(i) The account certificate of representation for the CO₂ authorized account representative for the source and each CO₂ budget unit at the source and all documents that



demonstrate the truth of the statements in the account certificate of representation, in accordance with 6 NYCRR Part 242-2.4, provided that the certificate and documents shall be retained on site at the source beyond such 10-year period until such documents are superseded because of the submission of a new account certificate of representation.

(ii) All emissions monitoring information, in accordance with Subpart 242-8 and 40 CFR 75.57.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CO2 Budget Trading Program.

(iv) Copies of all documents used to complete a CO2 budget permit application and any other submission under the CO2 Budget Trading Program or to demonstrate compliance with the requirements of the CO2 Budget Trading Program.

The CO2 authorized account representative of a CO2 budget source and each CO2 budget unit at the source shall submit the reports and compliance certifications required under the CO2 Budget Trading Program, including those under Subpart 242-4.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

