

**New York State Department of Environmental Conservation  
Facility DEC ID: 6232000026**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 6-2320-00026/00007  
Mod 0 Effective Date: 05/22/2002 Expiration Date: No expiration date.  
Mod 1 Effective Date: 07/28/2003 Expiration Date: No expiration date.  
Mod 2 Effective Date: 12/29/2004 Expiration Date: No expiration date.

Permit Issued To: IROQUOIS GAS TRANSMISSION SYSTEM INC  
ONE CORPORATE DR STE 606  
SHELTON, CT 06484-6208

Contact: RONALD E SCHROEDER  
10 CECIL AVE  
NORTH KINGSTOWN, RI 02852  
(401) 294-6119

Facility: CROGHAN COMPRESSOR STATION  
OLD STATE ROAD  
CROGHAN, NY 13327

Description:

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: BRIAN D FENLON  
DIVISION OF ENVIRONMENTAL PERMITS  
STATE OFFICE BLDG, 317 WASHINGTON ST  
WATERTOWN, NY 13601-3787

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

**New York State Department of Environmental Conservation**

**ID: 6232000026**



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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

on not a party to the permit.



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 6  
HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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

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transfer of ownership.

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

**Item 4.1:**

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

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

**Condition 5: Permit Modifications, Suspensions, and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 5.1:**

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

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

**Condition 6: Submission of Applications for Permit Modification or Renewal -REGION 6 HEADQUARTERS**

**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 6.1:**

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

NYSDEC Regional Permit Administrator  
Region 6 Headquarters  
Division of Environmental Permits  
State Office Building, 317 Washington Street  
Watertown, NY 13601-3787

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(315) 785-2245

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

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

**IDENTIFICATION INFORMATION**

AS TRANSMISSION SYSTEM INC

ONE CORPORATE DR STE 606  
SHELTON, CT 06484-6208

Facility: CROGHAN COMPRESSOR STATION  
OLD STATE ROAD  
CROGHAN, NY 13327

Authorized Activity By Standard Industrial Classification Code:  
4922 - NATURAL GAS TRANSMISSION

Mod 0 Permit Effective Date: 05/22/2002

Permit Expiration Date: No expiration date.



**LIST OF CONDITIONS**

**FEASIBLE CONDITIONS**

**Facility Level**

- 2-1 6NYCRR 202-1.1: Required Emissions Tests
- 1 6NYCRR 202-1.2: Notification
- 2 6NYCRR 202-1.3: Acceptable procedures
- 3 6NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 4 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 5 40CFR 60.7(c), NSPS Subpart A: Excess emissions report.
- 6 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 7 40CFR 60.9, NSPS Subpart A: Availability of information.
- 8 40CFR 60.12, NSPS Subpart A: Circumvention.
- 9 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 10 40CFR 60.14, NSPS Subpart A: Modifications.
- 11 40CFR 60.15, NSPS Subpart A: Reconstruction
- 2-2 40CFR 60.334(h)(2), NSPS Subpart GG: Compliance Demonstration
- 2-3 40CFR 60.334(h)(3), NSPS Subpart GG: Compliance Demonstration

**Emission Unit Level**

**EU=2-00001**

- 12 6NYCRR 201-6.1(a): Compliance Demonstration
- 13 6NYCRR 201-6.1(a): Compliance Demonstration
- 14 6NYCRR 201-6.1(a): Compliance Demonstration
- 2-4 40CFR 60.333(b), NSPS Subpart GG: Compliance Demonstration

**EU=2-00001,EP=00001**

- 16 6NYCRR 227-1.3(a): Compliance Demonstration
- 17 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 18 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 19 40CFR 60.332(a)(2), NSPS Subpart GG: Compliance Demonstration
- 20 40CFR 60.332(k), NSPS Subpart GG: Exemption from NOx standard.
- 23 40CFR 60.334(c), NSPS Subpart GG: Excess emissions reporting requirements.

**EU=2-00001,EP=00002**

- 24 6NYCRR 227-1.3(a): Compliance Demonstration
- 25 40CFR 60.7(a), NSPS Subpart A: Date of construction notification.
- 26 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 27 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 28 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 29 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 30 40CFR 60.8(c), NSPS Subpart A: Required performance test information.

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- 31 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 32 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 33 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 34 40CFR 60.332(a)(2), NSPS Subpart GG: Compliance Demonstration
- 35 40CFR 60.332(k), NSPS Subpart GG: Exemption from NOx standard.
- 38 40CFR 60.334(c), NSPS Subpart GG: Excess emissions reporting requirements.
- 39 40CFR 60.335, NSPS Subpart GG: Compliance testing requirements.
- 40 40CFR 60.335(c)(3), NSPS Subpart GG: Compliance Demonstration

**EU=2-00001,EP=00002,Proc=001,ES=00002**

- 1-1 6NYCRR 202-1.1: Compliance Demonstration
- 41 6NYCRR 202-1.1: Compliance Demonstration
- 42 6NYCRR 202-1.1: Compliance Demonstration
- 44 6NYCRR 202-1.1: Compliance Demonstration

**CEABLE CONDITIONS**

**Facility Level**

- 45 ECL 19-0301: Contaminant List
- 46 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 47 6NYCRR 201-5: Emission Unit Definition
- 48 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

- 49 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 50 6NYCRR 201-5: Process Definition By Emission Unit

Mod 1 Permit Effective Date: 07/28/2003

Permit Expiration Date: No expiration date.

Mod 2 Permit Effective Date: 12/29/2004

Permit Expiration Date: No expiration date.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination

source in accordance with this section.

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

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

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

Any person who owns or operates an air contamination

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

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

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

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

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

**y Defense - 6NYCRR Part 201-1.5**

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

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

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

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

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

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



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occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific



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

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

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

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

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

**Fires - 6 NYCRR Part 215**

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

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

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not

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limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

**GENERAL APPLICABLE REQUIREMENTS**

**The following conditions are federally enforceable.**

**Condition 2-1: Required Emissions Tests  
Effective between the dates of 12/29/2004 and Permit Expiration Date**

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

**Item 2-1.1:**

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

**Condition 1: Notification  
Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 202-1.2**

**Item 1.1:**

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall



also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

**Condition 2: Acceptable procedures**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 202-1.3**

**Item 2.1:**

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

**Condition 3: Acceptable procedures - Stack test report submittal**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 202-1.3**

**Item 3.1:**

Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

**Condition 4: EPA Region 2 address.**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 4.1:**

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

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

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

NYSDEC  
Bureau of Enforcement and Compliance Assurance  
625 Broadway  
Albany, NY 12233-3258



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**Condition 5: Excess emissions report.**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 5.1:**

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), and shall contain the following information:

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

**Condition 6: Excess emissions report.**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 6.1:**

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

**Availability of information.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 7.1:**

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

**Condition 8: Circumvention.**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 8.1:**



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 9: Monitoring requirements.**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 9.1:**

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

**Condition 10: Modifications.**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 10.1:**

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

**Condition 11: Reconstruction**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 11.1:**

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

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) a description of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;



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7) the estimated life of the facility after the replacements; and

8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 2-2: Compliance Demonstration**

**Effective between the dates of 12/29/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.334(h)(2), NSPS Subpart GG**

**Item 2-2.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 2-2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The owner or operator of any stationary gas turbine subject to the provisions of Subpart GG shall monitor the nitrogen content of the fuel combusted in the turbine if a fuel bound nitrogen allowance is claimed. If the owner or operator does not claim an allowance for fuel bound nitrogen (i.e., if an F-value of zero is being or will be used by the owner or operator to calculate STD in §60.332), nitrogen content monitoring of the fuel is not necessary.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

d: NITROGEN CONTENT

Upper Permit Limit: 0 percent by volume

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

**Condition 2-3: Compliance Demonstration**

**Effective between the dates of 12/29/2004 and Permit Expiration Date**



**Applicable Federal Requirement: 40CFR 60.334(h)(3), NSPS Subpart GG**

**Item 2-3.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-3.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Notwithstanding the provisions of paragraph (h)(1) of 40 CFR 60.334(h), the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine, if the gaseous fuel is demonstrated to meet the definition of natural gas in §60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration:

(i) The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less;  
or

(ii) Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to 40 CFR part 75 of this chapter is required.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

**Condition 12: Compliance Demonstration**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**



**Applicable Federal Requirement: 6NYCRR 201-6.1(a)**

**Item 12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001

Regulated Contaminant(s):

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

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EPs 00001 & 00002 annual emissions of NOx are limited to 99.0 tons per year. EP00001 (Solar Taurus turbine) is limited 8.9 lbs/hr of NOx. EP00002 NOx emissions are limited to 7.59 lb/hr at temperatures above 0 degrees F and 45.10 lb/hr at temperatures below 0 degrees F. These emission limits shall be used to determine compliance with the 99.0 tons/yr limit.

Reference Test Method: EPA Method 7

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Final report is due 7/30/2002.

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

**Condition 13: Compliance Demonstration**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-6.1(a)**

**Item 13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



**New York State Department of Environmental Conservation**

**Permit ID: 6-2320-00026/00007**

**Facility DEC ID: 6232000026**

**Monitoring Description:**

EPs 00001 & 00002 annual emissions of CO are limited to 99.0 tons per year calculated on a monthly rolling basis. EP00001 (Solar Taurus turbine) is limited to 6.58 lb/hr of CO at temperatures of 32 degrees F and above and for temperatures below 32 degrees F, CO emissions are limited to 16.65 lb/hr. EP00002 is limited to CO emissions of 9.24 lb/hr for temperatures above 0 degrees F and 34.30 lb/hr for temperatures below 0 degrees F. These emission limits shall be used for compliance determinations with 99.0 tons/yr cap.

st Method: EPA Method 10

Monitoring Frequency: MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 14: Compliance Demonstration**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-6.1(a)**

**Item 14.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001

Regulated Contaminant(s):

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

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

EP 00002's operation below 0 degrees F is limited to 1000 hours per year calculated on a monthly rolling basis. Compliance will be determined based on the number of days containing hours with below 0 degrees F as determined by the national weather service data. If the plant exceeds the 1000 hour limitation based on the number of days with below 0 degrees temperatures, then Iroquois will be allowed to use plant data to determine the actual number of hours with below 0 degrees F. temperatures.



Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 2-4: Compliance Demonstration**  
**Effective between the dates of 12/29/2004 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.333(b), NSPS Subpart GG**

**Item 2-4.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001  
Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 2-4.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE  
Monitoring Description:  
No owner or operator of a stationary gas turbine subject  
to 40CFR60 Subpart GG shall burn in that turbine any fuel  
which contains sulfur in excess of 0.8 percent by weight.  
The owner or operator shall monitor sulfur content of the  
fuel being fired in the turbine according to the frequency  
specified in 40CFR60.334(i).

ored: SULFUR CONTENT

Upper Permit Limit: 0.8 percent by weight  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 6 calendar month(s).

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

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**Facility DEC ID: 6232000026**



**Item 16.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001 Emission Point: 00001

**Item 16.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Manufacturer Name/Model Number: Solar Taurus

Parameter Monitored: OPACITY

Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 17: Recordkeeping requirements.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 60.7(b), NSPS Subpart A**

**Item 17.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00001

**Item 17.2:**

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

**Condition 18: Facility files for subject sources.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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**Facility DEC ID: 6232000026**



**A40CFR 60.7(f), NSPS Subpart A**

**Item 18.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00001

**Item 18.2:**

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

**Condition 19: Compliance Demonstration**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.332(a)(2), NSPS Subpart GG**

**Item 19.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001 Emission Point: 00001

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

**Item 19.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator shall discharge to the atmosphere from a stationary gas turbine, emissions of nitrogen oxides in excess of the following:

$$STD = 0.0150 * [(14.4) / Y] + F$$

Where: STD = allowable nitrogen oxide emissions in percent volume at 15% excess oxygen on a dry basis,

Y = manufacturer's rated heat rate at manufacturer's rated peak load (kilojoules per watt hour) or the actual measured heat rate based on the lower heating value of the fuel as measured at actual peak load of the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour,



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F = nitrogen oxide emission allowance for fuel bound nitrogen:

Fuel bound nitrogen % by weight, where F equals NOx % by volume

$N \leq 0.015 : F = 0$

$0.015 < N \leq 0.1 : 0.04(N)$

$0.1 < N \leq 0.25 : 0.004 + 0.0067(N - 0.1)$

$N > 0.25 : 0.005$

Manufacturer Name/Model Number: Solar Taurus

: OXIDES OF NITROGEN

Upper Permit Limit: 150 parts per million by volume  
(dry, corrected to 15% O2)

Reference Test Method: EPA RM 20

Monitoring Frequency: SINGLE OCCURRENCE

Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 20: Exemption from NOx standard.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.332(k), NSPS Subpart GG**

**Item 20.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00001

**Item 20.2:**

Gas turbines  $\geq 10$  mmBtu/hr heat input firing gas are exempt when firing an emergency fuel.

**emissions reporting requirements.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 23.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00001

**Item 23.2:**

Excess emissions of NOx, SO2, ice fog, and emergency fuel use shall be reported quarterly as per the requirements of section 60.7 of this Part.

**Condition 24: Compliance Demonstration**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 227-1.3(a)**

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**Facility DEC ID: 6232000026**



**Item 24.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001 Emission Point: 00002

**Item 24.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 25: Date of construction notification.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**A40CFR 60.7(a), NSPS Subpart A**

**Item 25.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 25.2:**

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

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 2) a notification of the anticipated date of initial start up, post marked not more than 60 days not less than 30 days prior to such date;



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- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, post marked not less than 30 days prior to such date.

**Condition 26: Recordkeeping requirements.**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 26.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 26.2:**

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

**Facility files for subject sources.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 27.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 27.2:**

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other

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information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Performance testing timeline.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 28.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 28.2:**

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 29: Performance test methods.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**40CFR 60.8(b), NSPS Subpart A**

**Item 29.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 29.2:**

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

**Condition 30: Required performance test information.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 30.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 30.2:**

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

**Condition 31: Prior notice.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 60.8(d), NSPS Subpart A**

**Item 31.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002



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**Item 31.2:**

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

**Condition 32: Performance testing facilities.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**A40CFR 60.8(e), NSPS Subpart A**

**Item 32.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 32.2:**

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

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

**Condition 33: Number of required tests.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 33.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 33.2:**

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

**Condition 34: Compliance Demonstration**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**40CFR 60.332(a)(2), NSPS Subpart GG**

**Item 34.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001 Emission Point: 00002



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**Permit ID: 6-2320-00026/00007**

**Facility DEC ID: 6232000026**

Regulated Contaminant(s):

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

**Item 34.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator shall discharge to the atmosphere from a stationary gas turbine, emissions of nitrogen oxides in excess of the following:

$$STD = 0.0150 * [(14.4) / Y] + F$$

Where: STD = allowable nitrogen oxide emissions in percent volume at 15% excess oxygen on a dry basis,

Y = manufacturer's rated heat rate at manufacturer's rated peak load (kilojoules per watt hour) or the actual measured heat rate based on the lower heating value of the fuel as measured at actual peak load of the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour,

F = nitrogen oxide emission allowance for fuel bound nitrogen:

Fuel bound nitrogen % by weight, where F equals NOx % by volume

$$N \leq 0.015 : F = 0$$

$$0.015 < N \leq 0.1 : 0.04(N)$$

$$N \leq 0.25 : 0.004 + 0.0067(N - 0.1)$$

$$N > 0.25 : 0.005$$

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 150 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: EPA RM 20

: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 35: Exemption from NOx standard.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**40CFR 60.332(k), NSPS Subpart GG**

**New York State Department of Environmental Conservation**

Permit ID: 6-2320-00026/00007

Facility DEC ID: 6232000026



**Item 35.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 35.2:**

Gas turbines  $\geq$  10 mmBtu/hr heat input firing gas are exempt when firing an emergency fuel.

**emissions reporting requirements.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 38.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 38.2:**

Excess emissions of NO<sub>x</sub>, SO<sub>2</sub>, ice fog, and emergency fuel use shall be reported quarterly as per the requirements of section 60.7 of this Part.

**Compliance testing requirements.**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.335, NSPS Subpart GG**

**Item 39.1:**

This Condition applies to Emission Unit: 2-00001 Emission Point: 00002

**Item 39.2:**

Compliance testing for NO<sub>x</sub> and SO<sub>2</sub> shall be conducted in accordance with Appendix A and section 40 CFR 60-A.8 of this Part. All emissions testing shall be accurate within + or - 5%.

**Condition 40: Compliance Demonstration**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**40CFR 60.335(c)(3), NSPS Subpart GG**

**Item 40.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001 Emission Point: 00002

**Item 40.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Method 20 shall be used for determining the nitrogen



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**Facility DEC ID: 6232000026**

oxide, sulfur dioxide, and oxygen concentrations. The span value shall be 300 ppm of NOx and 21% oxygen. The NOx emissions shall be determined at each of the following loads; 30, 50, 75, and 100 percent or at four points in the normal operating range of the gas turbine including the minimum point in the range and peak load.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-1: Compliance Demonstration**

**Effective between the dates of 07/28/2003 and Permit Expiration Date**

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

**Item 1-1.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001      Emission Point: 00002

Process: 001                  Emission Source: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-5      PM-10

CAS No: 0NY075-00-0      PARTICULATES

**Item 1-1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Iroquois Gas Transmission must perform PM/PM-10 stack testing to confirm minor source status.

Upper Permit Limit: .042 pounds per million Btus

Test Method: EPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 41: Compliance Demonstration**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 41.1:**

The Compliance Demonstration activity will be performed for:

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**Facility DEC ID: 6232000026**



Emission Unit: 2-00001    Emission Point: 00002  
Process: 001                Emission Source: 00002

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

**Item 41.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Iroquois Gas Transmission must perform stack testing of CO to confirm minor source status for this pollutant.

This emission limit applies to CO emissions for 0 degrees F and above.

Upper Permit Limit: 0.12 pounds per million Btus

Reference Test Method: EPA Method 10

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 42: Compliance Demonstration**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**6NYCRR 202-1.1**

**Item 42.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001    Emission Point: 00002  
Process: 001                Emission Source: 00002

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

**Item 42.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Iroquois Gas Transmission must perform stack testing for NOx emissions to confirm minor source status. This emission limit applies to operation at or above ambient temperatures of 0 degrees F. Testing for compliance shall



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**Permit ID: 6-2320-00026/00007**

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take place when ambient temperatures are 0 degrees F or above.

Upper Permit Limit: 0.10 pounds per million Btus

Test Method: EPA Method 7

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 44: Compliance Demonstration**

**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 44.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 2-00001      Emission Point: 00002

Process: 001                  Emission Source: 00002

Regulated Contaminant(s):

CAS No: 0NY998-00-0      VOC

**Item 44.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Iroquois Gas Transmission must perform VOC stack testing to confirm minor source status for this pollutant.

Upper Permit Limit: 0.0053 pounds per million Btus

Reference Test Method: EPA Method 25

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

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

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law.

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 45: Contaminant List**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 45.1:**

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: 0NY210-00-0  
Name: OXIDES OF NITROGEN

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

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

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

CAS No: 0NY998-00-0  
Name: VOC

**Condition 46: Unavoidable noncompliance and violations**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 46.1:**

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



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maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 47: Emission Unit Definition**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 47.1(From Mod 2):**

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

Emission Unit: 2-00001

Emission Unit Description:

THE EXISTING NATURAL GAS PIPELINE



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COMPRESSOR STATION INCLUDES TWO TURBINES AND COMPRESSION FACILITIES TO BOOST NATURAL GAS PRESSURE IN IROQUOIS NATURAL GAS PIPELINE SYSTEMS TO DELIVERY NATURAL GAS TO ITS CUSTOMERS. THE FACILITY INCLUDES A

TURBINE, 10,000 HORSEPOWER (93

MMBTU/HR) SIMPLE CYCLE NATURAL GAS TURBINE AND AN EMERGENCY GENERATOR AND OTHER SMALL COMBUSTION SOURCES (HEATERS) THAT ARE EXEMPT FROM PERMITTING. THE ONLY EMISSION POINTS REQUIRING PERMITS ARE THE TWO TURBINES.

Building(s): 1  
2

**Condition 48: Air pollution prohibited**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 48.1:**

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.

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

**Condition 49: Emission Point Definition By Emission Unit**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 49.1(From Mod 2):**

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

Emission Unit: 2-00001

Emission Point: 00001

Height (ft.): 52

Diameter (in.): 80

Building: 1

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Emission Point: 00002

Height (ft.): 52

Diameter (in.): 54

Building: 2

**Condition 50: Process Definition By Emission Unit**  
**Effective between the dates of 05/22/2002 and Permit Expiration Date**

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

**Item 50.1(From Mod 2):**

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

Emission Unit: 2-00001

Process: 001

Process Description:

LVES THE TWO SIMPLE CYCLE

NATURAL GAS FUELED TURBINES TO BE USED TO  
DRIVE NATURAL GAS PIPELINE COMPRESSORS.  
THE EXISTING TURBINE MAXIMUM NOX

N IS 42 PARTS PER MILLION BY

VOLUME ON A DRY BASIS. THE MAXIMUM NOX  
CONCENTRATION FOR THE PROPOSED TURBINE IS  
25 PPMVD.

Emission Source/Control: 00002 - Combustion

Design Capacity: 93 million Btu per hour

Emission Source/Control: 00001 - Control

Control Type: LOW NOx BURNER