

Facility DEC ID: 4192200049

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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 4-1922-00049/00004  
Mod 0 Effective Date: 12/09/2015 Expiration Date: 12/08/2025

Mod 1 Effective Date: Expiration Date:

Permit Issued To: IROQUOIS GAS TRANSMISSION SYSTEM LP  
ONE CORPORATION DR STE 600  
SHELTON, CT 06484

IROQUOIS PIPELINE OPERATING COMPANY LIMITED  
JAMES T BARNES  
ONE CORPORATE DR STE 600  
SHELTON, CT 06484

Contact: JAMES T BARNES  
IROQUOIS PIPELINE OPERATING CO  
1 CORPORATE DR STE 600  
SHELTON, CT 06484  
(203) 944-7023

Facility: ATHENS COMPRESSOR STATION  
915 SCHOHARIE TPKE (CO RTE 28)  
ATHENS, NY 12015

Description:  
The Iroquois Enhancement by Compression Project (“ExC Project”) includes the addition of 12,000 horsepower (“hp”) of new compression and associated facilities at the existing Iroquois Athens Compressor Station. The ExC Project is designed to provide a total of 125,000 Dekatherms per day (“Dth/d”) of incremental firm natural gas transportation service to two existing customers of Iroquois, Consolidated Edison Company of New York, Inc. (“Con Ed”) and KeySpan Gas East Corporation d/b/a National Grid (“National Grid”).

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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: KAREN M GAIDASZ  
NYSDEC - HEADQUARTERS  
625 BROADWAY  
ALBANY, NY 12233-1750

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

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### 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.

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**Facility Level**

- 6 5 Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS

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**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 1-1: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6 NYCRR 621.11**

**Item 1-1.1:**

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 1-1.2:**

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

**Item 1-1.3**

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**

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**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS**

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

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 4 Headquarters  
Division of Environmental Permits  
1130 North Westcott Rd.  
Schenectady, NY 12306-2014  
(518) 357-2069

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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: IROQUOIS GAS TRANSMISSION SYSTEM LP  
ONE CORPORATION DR STE 600  
SHELTON, CT 06484

IROQUOIS PIPELINE OPERATING COMPANY LIMITED  
JAMES T BARNES  
ONE CORPORATE DR STE 600  
SHELTON, CT 06484

Facility: ATHENS COMPRESSOR STATION  
915 SCHOHARIE TPKE (CO RTE 28)  
ATHENS, NY 12015

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

Permit Effective Date:

Permit Expiration Date:

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- 17 1-10 6 NYCRR 200.6: Compliance Demonstration
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- 21 1-14 40CFR 60.4400(b), NSPS Subpart KKKK: NOx performance testing methodology

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- 26 1-15 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
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**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

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

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

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

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

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

(a) Except as otherwise provided by this Part, construction or

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operation of a new, modified or existing air contamination source without a registration or permit issued pursuant to this Part is prohibited.

(b) If an existing facility or emission source was subject to the permitting requirements of this Part at the time of construction or modification, and the owner or operator failed to apply for a permit or registration as described in this Part, the owner or operator must apply for a permit or registration in accordance with the provisions of this Part. The facility or emission source is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing emission sources.

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

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart

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

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

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

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

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

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

**FEDERAL APPLICABLE REQUIREMENTS**

**The following conditions are federally enforceable.**

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**Condition 2: Recordkeeping requirements**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 2.1:**

(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 1-1: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 203-4.5 (b)**

**Item 1-1.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Planned blowdowns. The owner or operator of a compressor station shall provide notification to the Department and appropriate local authorities forty eight (48) hours in advance of a planned blowdown event; the notification shall include, but not be limited to, the following information:

- (a) Location
- (b) Date
- (c) Time and duration
- (d) Contact person
- (e) Reason for blowdown
- (f) Estimated volume of release

If any of the information reported prior to the blowdown changed during or after the blowdown, another notification to the Department and appropriate local authorities shall be made with the updates no later than forty eight (48) hours after the end of the blowdown. All records associated with a blowdown shall be maintained by the owner or operator for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-2: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 203-4.5 (b)**

**Item 1-2.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Unplanned blowdowns. The owner or operator of a compressor station shall provide notification to the Department and appropriate local authorities within thirty (30) minutes of unplanned blowdown or as soon as it is safe to do so. The notification shall include, but not be limited to, the following information:

- (a) Location
- (b) Date
- (c) Time and duration
- (d) Contact person
- (e) Reason for blowdown
- (f) Estimated volume of release

All records associated with a blowdown shall be maintained by the owner or operator for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-3: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 203-7.2 (c)**

**Item 1-3.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-3.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of natural gas transmission compressor station components that are subject to 6 NYCRR Subpart 203-4 shall be required to inspect those components in accordance with optical gas imaging (OGI), USEPA Reference Test Method 21, or similar approved alternative

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method:

- (1) Bimonthly, at least forty-five (45) days apart, or
- (2) One (1) time over twelve (12) months if using an approved alternative method which offers continuous monitoring.

The owners or operators these components shall submit reports upon request of the Department and maintain the records of these inspections for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-4: Reporting submissions and retention requirements.  
 Effective for entire length of Permit**

**Applicable Federal Requirement:6 NYCRR 203-10.3**

**Item 1-4.1:**

The owner or operator of a compressor station shall submit all required reports to both the Bureau Director, Bureau of Air Quality Planning, Division of Air Resources, 625 Broadway, Albany NY 12233, and the Regional Air Pollution Control Engineer in the corresponding Department Region in which the compressor station is located. Owners and operators of a compressor station must maintain all reports and records for at a minimum of five (5) years.

**Condition 1-5: Applicability of Subpart A General Provisions  
 Effective for entire length of Permit**

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

**Item 1-5.1:**

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

**Condition 12: EPA Region 2 address.  
 Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 12.1:**

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

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

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

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

**Condition 13: Recordkeeping requirements.**  
Effective between the dates of 12/09/2015 and Permit Expiration Date

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

Expired by Mod 1

**Item 13.1:**

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 14: Facility files for subject sources.**  
Effective between the dates of 12/09/2015 and Permit Expiration Date

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

Expired by Mod 1

**Item 14.1:**

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 performance evaluations; all continuous 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 inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 15: Performance testing timeline.**  
Effective between the dates of 12/09/2015 and Permit Expiration Date

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

Expired by Mod 1

**Item 15.1:**

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



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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 16: Required performance test information.**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 16.1:**  
 Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operator of the facility.

**Condition 17: Prior notice.**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 17.1:**  
 The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

**Condition 18: Performance testing facilities.**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 18.1:**  
 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 19: Number of required tests.**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 19.1:**  
 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.

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**Condition 20: Availability of information.**  
Effective between the dates of 12/09/2015 and Permit Expiration Date

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

**Expired by Mod 1**

**Item 20.1:**

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 21: Opacity standard compliance testing.**  
Effective between the dates of 12/09/2015 and Permit Expiration Date

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

**Expired by Mod 1**

**Item 21.1:**

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

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

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

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

**Condition 22: Compliance with Standards and Maintenance Requirements**  
Effective between the dates of 12/09/2015 and Permit Expiration Date

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

**Expired by Mod 1**

**Item 22.1:**

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

**Condition 23: Circumvention.**  
Effective between the dates of 12/09/2015 and Permit Expiration Date

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

**Expired by Mod 1**

**Item 23.1:**

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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 24: Monitoring requirements.**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 24.1:**

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

**Condition 25: Modifications.**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 25.1:**

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 26: Reconstruction**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 26.1:**

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) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;

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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 1-6: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.4330, NSPS Subpart KKKK**

**Item 1-6.1:**

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

Emission Unit: 3-00001

Process: 001

Emission Source: 0002A

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

**Item 1-6.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility shall maintain on file a current Federal Energy Regulatory Commission natural gas tariff documenting the delivery gas composition which is the fuel used for the gas turbines. This will ensure the turbines do not burn fuel emitting potential sulfur emissions in excess of 0.060 lb of sulfur dioxide(SO<sub>2</sub>)/mmBtu of fuel heat input (equivalent to approximately 43 grains sulfur per 100 SCF based on a higher heating value = 1,032 Btu/SCF).

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.25 grains per 100 dry standard cubic ft  
(corrected to 7% O<sub>2</sub>)

Reference Test Method: ISO 19739

Monitoring Frequency: ANNUALLY

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

Reporting Requirements: SEMI-ANNUALLY (ANNIVERSARY)

Initial Report Due: 30 days after first semi-annual (6 month) period following  
Permit Issue Date

**Condition 1-7: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.5410a(j), NSPS Subpart OOOOa**

**Item 1-7.1:**

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The Compliance Demonstration activity will be performed for the Facility.

**Item 1-7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to demonstrate initial compliance with the fugitive emission standards for each collection of fugitive emissions components at a well site and each collection of fugitive emissions components at a compressor station, the facility owner or operator must comply with paragraphs (1) through (5) below.

- (1) Develop and implement a fugitive emissions monitoring plan as described in 40 CFR 60.5397a(b), (c), and (d).
- (2) Conduct an initial monitoring survey as required by 40 CFR 60.5397a(f).
- (3) Maintain the records specified in 40 CFR 60.5420a(c)(15).
- (4) Repair each identified source of fugitive emissions for each affected facility as required in 40 CFR 60.5397a(h).
- (5) Submit the initial annual report for each collection of fugitive emissions components at a well site and each collection of fugitive emissions components at a compressor station as required in 40 CFR 60.5420a(b)(1) and (7).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-8: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.5415a(h), NSPS Subpart OOOOa**

**Item 1-8.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each collection of fugitive emissions components at a well site and each collection of fugitive emissions components at a compressor station, the facility owner or operator must demonstrate continuous compliance with the fugitive emission standards specified in 40 CFR 60.5397a according to paragraphs (1) through (4) below.



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**Item 1-9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For a facility with a new turbine firing natural gas and if the combustion turbine heat input at peak load (HHV) is greater than 50 mmBtu/hr and less than or equal to 850 mmBtu/hr, the facility must not exceed the NOx emission standard of 25 ppm at 15% O2.

Compliance with this emission standard shall be determined according to the annual performance tests as specified in §60.4340(a).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 25 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: EPA Method 7E or EPA Method 20

Monitoring Frequency: ANNUALLY

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-10: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 200.6**

**Item 1-10.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-00001

Process: 001

Emission Source: 00001

Regulated Contaminant(s):

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

**Item 1-10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall demonstrate compliance with the one-hour national ambient air quality standard for NO2 by demonstrating compliance with the oxides of nitrogen (NOx) emission limit in this condition of 8.97 lb/hr while firing pipeline quality natural gas under steady state conditions. In order to demonstrate compliance with this condition, the facility owner or operator must conduct an emissions test of the Solar Taurus 70 combustion turbine on an annual basis. This testing shall be coincident with and conducted at the same operating conditions as the performance tests required by

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40 CFR 60 Subpart KKKK.

If the annual NO<sub>x</sub> emission test results indicate that the facility is emitting less than 75% of the NO<sub>x</sub> emission limit for the turbine described in 40 CFR 60.4320, the facility owner or operator may reduce the frequency of subsequent performance tests to once every two years (no more than 26 months from the previous performance test). If the results of any subsequent performance test exceed 75% of the NO<sub>x</sub> emission limit for the turbine described in 40 CFR 60.4320, the facility owner or operator must resume conducting annual performance tests.

Upper Permit Limit: 8.97 pounds per hour

Reference Test Method: RM 7e

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-11: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 200.6**

**Item 1-11.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-00001

Process: 001

Emission Source: 00001

Regulated Contaminant(s):

CAS No: 0NY210-00-0

OXIDES OF NITROGEN

**Item 1-11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall demonstrate compliance with the one-hour national ambient air quality standard for NO<sub>2</sub> by demonstrating compliance with the oxides of nitrogen (NO<sub>x</sub>) emission limit in this condition of 25 ppm while firing pipeline quality natural gas under steady state conditions. In order to demonstrate compliance with this condition, the facility owner or operator must conduct an emissions test of the Solar Taurus 70 combustion turbine on an annual basis. This testing shall be coincident with and conducted at the same operating conditions as the performance tests required by 40 CFR 60 Subpart KKKK.



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If the annual NOx emission test results indicate that the facility is emitting less than 75% of the NOx emission limit for the turbine described in 40 CFR 60.4320, the facility owner or operator may reduce the frequency of subsequent performance tests to once every two years (no more than 26 months from the previous performance test). If the results of any subsequent performance test exceed 75% of the NOx emission limit for the turbine described in 40 CFR 60.4320, the facility owner or operator must resume conducting annual performance tests.

Upper Permit Limit: 25.0 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: RM 7e

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-12: Compliance Demonstration  
Effective for entire length of Permit**

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

**Item 1-12.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-00001

Process: 001

Emission Source: 00001

Regulated Contaminant(s):

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

**Item 1-12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On and after the date on which the performance test required by 40 CFR 60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of:

$$STD = 0.0150 (14.4)/Y + F$$

Where:

STD = allowable ISO corrected (if required as given in §60.335(b)(1)) NOx emission concentration (percent by volume at 15 percent oxygen and on a dry basis), Y = manufacturer's rated heat rate at manufacturer's

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rated peak load (kilojoules per watt hour), or actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour, and F = NO<sub>x</sub> emission allowance for fuel-bound nitrogen as defined below.

The use of F in paragraphs (1) and (2) is optional. That is, the owner or operator may choose to apply a NO<sub>x</sub> allowance for fuel-bound nitrogen and determine the appropriate F-value in accordance with 40 CFR 60.332(a)(4) or may accept an F-value of zero.

If the owner or operator elects to apply a NO<sub>x</sub> emission allowance for fuel-bound nitrogen, F shall be defined according to the nitrogen content of the fuel during the most recent performance test required under §60.8 as follows:

Fuel-bound nitrogen (percent by weight)	F (NO <sub>x</sub> percent by volume)
N [le] 0.015.....	0
0.015 < N[le] 0.1.....	0.04(N)
0.1 < N [le] 0.25.....	0.004+0.0067(N-0.1)
N > 0.25.....	0.005

Where:  
N = the nitrogen content of the fuel (percent by weight).

or:

Manufacturers may develop and submit to EPA custom fuel-bound nitrogen allowances for each gas turbine model they manufacture. These fuel-bound nitrogen allowances shall be substantiated with data and must be approved for use by the Administrator before the initial performance test required by §60.8. Notices of approval of custom fuel-bound nitrogen allowances will be published in the Federal Register.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
 Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 12 calendar month(s).

**Condition 1-13: Compliance Demonstration**  
**Effective for entire length of Permit**

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

**Item 1-13.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-00001  
 Process: 001 Emission Source: 00001  
 Regulated Contaminant(s):  
 CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 1-13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains total sulfur in excess of 0.8 percent by weight (8000 ppmw).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NATURAL GAS

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.8 percent by weight

Monitoring Frequency: CONTINUOUS

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.

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

**Condition 1-14: NOx performance testing methodology**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.4400(b), NSPS Subpart KKKK**

**Item 1-14.1:**

This Condition applies to Emission Unit: 3-00001  
 Process: 001 Emission Source: 0002A

**Item 1-14.2:**

The performance test must be done at any load condition within +/- 25% of 100% of peak

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load. The facility may perform testing at the highest achievable load point, if at least 75% of peak load cannot be achieved in practice. The facility must conduct three separate test runs for each performance test. The minimum time per run is 20 minutes.

If the stationary combustion turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel.

For a combined cycle and CHP turbine systems with supplemental heat (duct burner), the facility must measure the total NOx emissions after the duct burner rather than directly after the turbine. The duct burner must be in operation during the performance test.

If water or steam injection is used to control NOx with no additional post-combustion NOx control and the facility chooses to monitor the steam or water to fuel ratio in accordance with §60.4335, then that monitoring system must be operated concurrently with each EPA Method 20 or 7E run and must be used to determine the fuel consumption and the steam or water to fuel ratio necessary to comply with the applicable §60.4320 NOx emission limit.

Compliance with the applicable emission limit in §60.4320 must be demonstrated at each tested load level. Compliance is achieved if the three-run arithmetic average NOx emission rate at each tested level meets the applicable emission limit in §60.4320.

If the facility elects to install a CEMS, the performance evaluation of the CEMS may either be conducted separately or (as described in §60.4405) as part of the initial performance test of the affected unit.

The ambient temperature must be greater than 0F during the performance test.

**Condition 28: Compliance Demonstration**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 28.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-00001

Emission Point: 00001

**Item 28.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

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The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

An emergency, as defined in 6 NYCRR subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

- (1) an emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
- (2) the equipment at the facility was being properly operated and maintained;
- (3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) the facility owner 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 any corrective actions taken.

(b) In any enforcement proceeding, the facility owner 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 malfunction provision contained in any applicable requirement.

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

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

The following conditions are state only enforceable.

**Condition 29: Contaminant List**  
Effective between the dates of 12/09/2015 and Permit Expiration Date**Applicable State Requirement: ECL 19-0301****Item 29.1:**

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

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

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

**Condition 30: Malfunctions and start-up/shutdown activities**  
Effective between the dates of 12/09/2015 and Permit Expiration Date**Applicable State Requirement:****Replaced by Condition(s) 1-15****Item 30.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

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(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 1-15: Malfunctions and Start-up/Shutdown Activities**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 30**

**Item 1-15.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, and an estimate of the emission rates of any air



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contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 31: Emission Unit Definition**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

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

**Item 31.1(From Mod 1):**

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

Emission Unit: 3-00001

Emission Unit Description:

This emission unit includes the entire natural gas pipeline compressor station. It includes a single existing natural gas-fired combustion turbine and compression facilities for delivery to downstream customers. The proposed project would add a second approximately 12,000 hp rated simple-cycle low NO<sub>x</sub> natural gas fueled combustion turbine with an oxidation catalyst to drive a natural gas pipeline compressor.

The station also includes an existing exempt 750 hp reciprocating natural gas-fired emergency generator and two other small natural gas combustion sources (heaters) that are exempt from air permitting (i.e., less than 10 mmBtu/hr fuel input rating).

Building(s): 26

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Facility DEC ID: 4192200049

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**Condition 1-16: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 201-5.3 (c)**

**Item 1-16.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-16.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall commence installation of a vent recovery system designed to capture methane emissions from planned blowdowns and dry compressor seal leakage at the facility at the time that it installs the turbine at the compressor station.

Following the completion of construction, the facility owner or operator shall operate and maintain the vent recovery system in accordance with manufacturer’s specifications and good engineering practices.

The facility owner or operator shall maintain records indicating all routine maintenance activities and corrective actions completed on the vent recovery system for a period of at least five years from the date of the record. Such records must be provided to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-17: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable State Requirement:6 NYCRR 201-5.3 (c)**

**Item 1-17.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-17.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

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Facility DEC ID: 4192200049

Division of Air Resources  
 NYS Dept. of Environmental Conservation  
 Region 4  
 1130 N. Westcott Rd.  
 Schenectady, NY 12306

Reporting Requirements: ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 12 calendar month(s).

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

**Condition 35: Emission Point Definition By Emission Unit**  
 Effective between the dates of 12/09/2015 and Permit Expiration Date

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

**Item 35.1(From Mod 1):**

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

Emission Unit: 3-00001

Emission Point: 00001  
 Height (ft.): 62 Length (in.): 120 Width (in.): 84  
 NYTMN (km.): 4681.457 NYTME (km.): 595.017 Building: 6

Emission Point: 00003  
 Height (ft.): 69 Diameter (in.): 72  
 NYTMN (km.): 4681.588 NYTME (km.): 595.057 Building: 26

**Condition 36: Process Definition By Emission Unit**  
 Effective between the dates of 12/09/2015 and Permit Expiration Date

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

**Item 36.1(From Mod 1):**

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

Emission Unit: 3-00001  
 Process: 001 Source Classification Code: 2-02-002-01

Process Description:  
 The process involves two simple-cycle natural gas-fueled low NOx combustion turbines to drive natural gas pipeline compressors.

Emission Source/Control: 00001 - Combustion  
 Design Capacity: 89.5 million Btu per hour

Emission Source/Control: 0002A - Combustion  
 Design Capacity: 85.2 million Btu per hour

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Emission Source/Control: 0001B - Control  
Control Type: LOW NOx BURNER

Emission Source/Control: 0002B - Control  
Control Type: LOW NOx BURNER

**Condition 37: Compliance Demonstration**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

**Applicable State Requirement:**

**Expired by Mod 1**

**Item 37.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-00001

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

**Item 37.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its NOx emissions from the combustion turbine generator to 25 ppm while firing pipeline quality natural gas under steady state conditions. Emissions shall be verified once per permit term.

Upper Permit Limit: 25.0 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: RM 7e

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 38: Compliance Demonstration**  
**Effective between the dates of 12/09/2015 and Permit Expiration Date**

**Applicable State Requirement:**

**Expired by Mod 1**

**Item 38.1:**

The Compliance Demonstration activity will be performed for:

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Facility DEC ID: 4192200049

Emission Unit: 3-00001

Regulated Contaminant(s):

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

**Item 38.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall limit its NOx emissions from the combustion turbine generator to 8.97 lb/hr while firing pipeline quality natural gas under steady state conditions. Emissions shall be verified once per permit term.

Upper Permit Limit: 8.97 pounds per hour

Reference Test Method: RM 7e

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 1-18: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6 NYCRR 201-5.3 (c)**

**Item 1-18.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-00001

Process: 001

Emission Source: 0002A

**Item 1-18.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility owner or operator shall limit the amount of natural gas fired in the emission source specified above to 91.5% of its design maximum based on the higher heating value at the worst-case full load conditions assumed to estimate potential emissions. Compliance with this limit shall be demonstrated using a rolling 12-month total of the facility's natural gas usage, as measured using a continuous fuel flow meter.

In the event of a declared emergency or other unforeseen circumstance that could cause the facility owner or operator to exceed this limit,

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the facility owner or operator shall notify the Department of the possible exceedence as soon as practicable, but no later than two calendar days following the event. Each notification shall describe the cause of the event and the anticipated duration of the exceedence.

The facility owner or operator shall maintain a record of each monthly and rolling 12-month total natural gas usage calculation performed to demonstrate compliance with this condition. Such records shall include all data necessary to perform the calculations. In addition, the facility owner or operator shall maintain a record of each exceedence of this limit as described above and each notification made to the Department.

All records kept pursuant to this condition must be maintained at the facility for a period of at least five years from the date of the record and must be made available to the Department upon request.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: NATURAL GAS  
Upper Permit Limit: 662 million standard cubic feet per year  
Monitoring Frequency: MONTHLY  
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 12 calendar month(s).

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