



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-2920-00008/00015
Mod 0 Effective Date: 10/20/2011 Expiration Date: 10/19/2016
Mod 1 Effective Date: 01/31/2012 Expiration Date: 10/19/2016

Permit Issued To: TENNESSEE GAS PIPELINE COMPANY LLC
1001 LOUISIANA ST
PO BOX 2511
HOUSTON, TX 77252-2511

Contact: TOM SUTTON
TENNESSEE GAS PIPELINE COMPANY LLC
7586 EAST EDEN RD
EDEN, NY 14057
(716) 646-2022

Facility: TENNESSEE GAS PIPELINE CO COMPRESSOR STATION 230-C
5186 LOCKPORT JUNCTION RD
LOCKPORT, NY 14094

Contact: TOM SUTTON
TENNESSEE GAS PIPELINE COMPANY LLC
7586 EAST EDEN RD
EDEN, NY 14057
(716) 646-2022

Description:
TGP Compressor Station 230-C is a natural gas transmission facility currently consisting of four 4500 HP Solar Centaur H compressor turbines. This major modification to the TGP Compressor Station 230-C Title V permit allows the Niagara Spur Loop Line (NSLL) project to proceed. This project involves the replacement of two existing turbines, emission sources 0T02A and 0T03A, which are Solar Centaur model 50-5500, with two new turbines. The new turbines will be identified as emission source 0T05A and 0T06A and are Solar Centaur model 50-6100 which are rated at 6130 HP.

Currently, TGP operates four (4) turbine-driven compressor units at this facility, each of which is capable of compressing and flowing gas in a unilateral direction from the north to the south along two (2) existing pipelines each with a diameter of 20-inch and 30-inch, respectively.



As part of the proposed expansion project, TGP proposes to modify the existing 20-inch and 30-inch pipelines to enable the transmission of natural gas bi-directionally from all four (4) compressor turbines.

The two new turbines are subject to 40CFR60 Subpart KKKK - Standards of Performance for Stationary Combustion Turbines, and will be required to meet a NO_x emission standard of 25 ppm, which is lower than the emission standard in 6NYCRR Part 227-2.4. Also, TGP must test the new turbines in accordance with the requirements of Subpart KKKK.

Per 6NYCRR Part 231-6 New Source Review (NSR), the combined effect of both the Northeast Supply Diversification (NSD) Project and the NSLL Project was previously considered during the Title V permit renewal review process earlier in 2011. An operational limitation was set to cap the facility's net NO_x emission increase below the 40 ton per year applicability threshold of 6NYCRR Part 231-6. The four turbines designated as emission sources OT01A, OT04A, OT05A, OT06A will not exceed an emission rate of 83.77 tons of NO_x per 12 month period.

Air dispersion modeling results indicate that the air quality impacts from the facility as configured after the installation of the two new turbines will meet NYSDEC Air Guide 1 Short-term and Annual Toxic Guideline Concentrations (SGCs and AGCs), as well as the annual National Ambient Air Quality Standards (NAAQS) for NO₂.

Within the permit modification application, TGP requested approval for the incorporation of a subzero temperature emission levels. The request is based on the inability of the turbine control mechanism manufacturer to assure an emission limit when operated during subzero conditions. TGP has subsequently rescinded the request and will further explore the issue within future NO_x Reasonably Available Control Technology analyses.

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

New York State Department of Environmental Conservation
Facility DEC ID: 9292000008



Special Conditions included as part of this permit.

Permit Administrator: DOUGLAS E BORSCHER
270 MICHIGAN AVE
BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 1-1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1-1.1:

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 1-1.2:

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 1-1.3:

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 1-2: Relationship of this Permit to Other Department Orders and Determinations

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



Item 1-2.1:

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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

Condition 1-3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 1-3.1:

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 1-3.2:

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 1-3.3:

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



Condition 1-4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 1-4.1:

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.

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

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to 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 1-5: Submission of application for permit modification or renewal-REGION 9

HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 1-5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits

DEC Permit Conditions
Renewal 2/Mod 1/FINAL



270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

**Condition 5: Submission of application for permit modification or renewal-REGION 9
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 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2915
(716) 851-7165

New York State Department of Environmental Conservation

Permit ID: 9-2920-00008/00015

Facility DEC ID: 9292000008



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: TENNESSEE GAS PIPELINE COMPANY LLC
1001 LOUISIANA ST
PO BOX 2511
HOUSTON, TX 77252-2511

Facility: TENNESSEE GAS PIPELINE CO COMPRESSOR STATION 230-C
5186 LOCKPORT JUNCTION RD
LOCKPORT, NY 14094

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

Mod 0 Permit Effective Date: 10/20/2011

Permit Expiration Date: 10/19/2016

Mod 1 Permit Effective Date: 01/31/2012

Permit Expiration Date: 10/19/2016



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 202-2.1: Compliance Certification
- 7 6 NYCRR 202-2.5: Recordkeeping requirements
- 8 6 NYCRR 215.2: Open Fires - Prohibitions
- 9 6 NYCRR 200.7: Maintenance of Equipment
- 10 6 NYCRR 201-1.7: Recycling and Salvage
- 11 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 21 6 NYCRR 201-3.2 (a): Compliance Certification
- 13 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 14 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 15 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 16 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 17 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR Subpart 201-6: Compliance Certification
- 24 6 NYCRR 201-6.5 (e): Compliance Certification
- 25 6 NYCRR 201-7.1: Facility Permissible Emissions
- *1-1 6 NYCRR 201-7.1: Capping Monitoring Condition
- 27 6 NYCRR 211.1: Air pollution prohibited
- 28 6 NYCRR 227-1.3 (a): Compliance Certification
- 29 40CFR 60.334(h)(3), NSPS Subpart GG: Compliance Certification

Emission Unit Level

- 30 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 31 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=1-AUX01

- 32 40CFR 63.6595(a)(1), Subpart ZZZZ: Compliance date for existing RICE
- 33 40CFR 63.6603(a), Subpart ZZZZ: Compliance Certification
- 34 40CFR 63.6625(e), Subpart ZZZZ: Compliance Certification
- 35 40CFR 63.6625(f), Subpart ZZZZ: Compliance Certification
- 36 40CFR 63.6625(h), Subpart ZZZZ: Compliance Certification
- 37 40CFR 63.6625(j), Subpart ZZZZ: Compliance Certification
- 38 40CFR 63.6640(f)(1), Subpart ZZZZ: Compliance Certification
- 39 40CFR 63.6655(e), Subpart ZZZZ: Compliance Certification
- 40 40CFR 63.6655(f), Subpart ZZZZ: Compliance Certification



41 40CFR 63.6660, Subpart ZZZZ: Compliance Certification

EU=T-23001

- 1-7 6 NYCRR 227-2.4 (e) (1): Compliance Certification
- 1-8 6 NYCRR 227-2.4 (e) (1): Compliance Certification
- 42 40CFR 60.332(a)(2), NSPS Subpart GG: 6 NYCRR Part 227-2.4(e)(1) NOx
RACT limit supersedes 40 CFR 60.332(a)(2) NOx limit
- 1-2 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Certification
- 1-3 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification

EU=T-23001,Proc=TUR,ES=0T05A

- 1-4 40CFR 60.4400(a), NSPS Subpart KKKK: Test methods for NOx
- 1-5 40CFR 60.4330, NSPS Subpart KKKK: Compliance Certification
- 1-6 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 43 ECL 19-0301: Contaminant List
- 44 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 45 6 NYCRR 211.2: Visible Emissions Limited

NOTE: * preceding the condition number indicates capping.



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 2: Fees
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 2.1:

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

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 3.1:



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

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

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

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

Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 4.1:

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

Condition 5: Compliance Certification

Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

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

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



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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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



Condition 6: Compliance Certification
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 7: Recordkeeping requirements
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

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

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

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

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

Condition 8: Open Fires - Prohibitions
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:

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

Item 8.2

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

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of



this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.

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

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

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

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

**Condition 9: Maintenance of Equipment
Effective between the dates of 10/20/2011 and 10/19/2016**

Applicable Federal Requirement: 6 NYCRR 200.7



Item 9.1:

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

Condition 10: Recycling and Salvage
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 10.1:

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

Condition 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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

Condition 12: Exempt Sources - Proof of Eligibility
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 12.1:

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

Condition 21: Compliance Certification
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 21.1:

The Compliance Certification activity will be performed for the Facility.

Item 21.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As proof of exemption eligibility for the emergency generators, the facility operator must maintain monthly records which demonstrate that each emergency generator is operated less than 500 hours per year, on a 12-month rolling total basis.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 13: Trivial Sources - Proof of Eligibility
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 13.1:

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

Condition 14: Standard Requirement - Provide Information
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 14.1:

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

Condition 15: General Condition - Right to Inspect
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 15.1:

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

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

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

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

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

**Condition 16: Standard Requirements - Progress Reports
Effective between the dates of 10/20/2011 and 10/19/2016**

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

Item 16.1:

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

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

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

**Condition 17: Off Permit Changes
Effective between the dates of 10/20/2011 and 10/19/2016**

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

Item 17.1:

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

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change

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in emissions, and any permit term or condition that is no longer applicable as a result of the change.

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

Condition 18: Required Emissions Tests
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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.

Condition 19: Accidental release provisions.
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

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

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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



The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 22: Emission Unit Definition
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1(From Mod 1):

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

Emission Unit: T-23001

Emission Unit Description:

Two Solar Centaur H compressor turbines, rated at 4,500 HP (NEMA rated), each with Solonox technology identified as emission sources OT01A and OT04A, and two Solar Centaur 50-6100 compressor engines, rated at 6130 HP each with SoLoNox technology and identified as emission sources OT05A and OT06A.

Two turbines identified as emission sources OT03A and OT04A are being replaced by the OT05A and OT06A.

Construction is expected to occur in early 2012.

Building(s): 1

Item 22.2(From Mod 0):

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

Emission Unit: 1-AUX01

Emission Unit Description:

One 148 hp Waukesha emergency generator.

Building(s): 1

Condition 23: Compliance Certification
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Since this facility is unmanned and is controlled from a remote location, all records required to be retained as a condition of this permit will be kept at the Tennessee Gas

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Pipeline Compressor Station #229, 7586 East Eden Road, Eden, NY 14057. The records will be available for inspection by Department representatives at reasonable times. All appropriate records will be brought to the unmanned facility for review by Department representatives during scheduled inspections.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 24: Compliance Certification
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards,

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or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

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

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

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

The address for the RAPCE is as follows:

270 Michigan Avenue
Buffalo, NY 14203-2915

The address for the BQA is as follows:

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

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

Condition 25: Facility Permissible Emissions
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 25.1:

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The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0 (From Mod 1) PTE: 167,540 pounds
per year
Name: OXIDES OF NITROGEN

Condition 1-1: Capping Monitoring Condition
Effective between the dates of 01/31/2012 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 201-7.1

Replaces Condition(s) 26

Item 1-1.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 231-6.1

Item 1-1.2:

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

Item 1-1.3:

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

Item 1-1.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-1.5:

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

Item 1-1.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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



Item 1-1.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The four turbines designated as emission sources T01A, T02A, T03A, T04A will not exceed an emission rate of 83.77 tons of NOx per 12 month period. This operational limitation will serve to cap the facility's net NOx emission increase below the 40 ton per year applicability threshold of 6NYCRR Part 231-6 New Source Review for the combined effect of both the Northeast Supply Diversification (NSD) Project and the Niagara Spur Loop Line (NSLL) Project. Note that the NSLL Project was permitted under permit modification REN 2, MOD 1 which added two new turbines to the facility and removed the two existing turbines designated T02A & T003A. Only four turbines will be operational at any time. It is expected that the removal and installation of the turbines will occur in 2012. The NOx emission cap of 83.77 tons per 12 month period remains in force for the four operational turbines. The NSD and NSLL Projects were permitted via two separate permit actions due to Federal Energy Regulatory Commission (FERC) filing requirements.

Tennessee Gas Pipeline (TGP) will limit NOx emissions based on actual fuel flow of natural gas used to power the compression turbines for each rolling 12-month period throughout the calendar year as calculated using the following equation:

$$\begin{aligned} \text{NOx cap} &= \text{Fuel Flow} \times (\text{average natural gas heating value}) \\ &\times (\text{NOx emission factor for turbine}) \\ 83.77 \text{ (tons NOx)} &= (\text{Fuel Flow (mmscf)} / (2000 \text{ lb/ton})) \times \\ &(1020 \text{ Btu/scf}) \times (\text{NOx emission factor for} \\ &\text{turbine}) \end{aligned}$$

where the NOx emission factor for turbines T01A, T02A, T03A, & T04A is 0.14 lb/mmBtu based on 2005 stack test results, and for turbines T05A & T06A is 0.06 lb/mmBtu which is the manufacturer guaranteed factor. The factor may be revised upon completion of the initial stack test on turbines T05A & T06A.

The facility shall submit to the Department an annual emission cap report for the previous calendar year by January 30th of each year. The report must include the monthly NOx emissions and total NOx emissions for each rolling 12-month period throughout the calendar year.



Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 83.77 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Air pollution prohibited
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR 211.1

Item 27.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 28: Compliance Certification
Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any emission source, except only the emission of uncombined water. 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 facility on a monthly basis. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred.

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If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with 6NYCRR Part 227.1.3(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: MONTHLY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 29: Compliance Certification

Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: 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:

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(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.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

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

**Condition 30: Emission Point Definition By Emission Unit
Effective between the dates of 10/20/2011 and 10/19/2016**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 30.1(From Mod 1):

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

Emission Unit: T-23001

Emission Point: T001A

Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4785.22 NYTME (km.): 194.679 Building: 1

Emission Point: T002A

Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4785.22 NYTME (km.): 194.679 Building: 1

Emission Point: T003A

Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4785.22 NYTME (km.): 194.679 Building: 1

Emission Point: T004A

Height (ft.): 57 Diameter (in.): 36
NYTMN (km.): 4785.22 NYTME (km.): 194.679 Building: 1

Item 30.2(From Mod 0):

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

Emission Unit: 1-AUX01



Emission Point: AUX1A
Height (ft.): Length (in.): Width (in.):
NYTMN (km.): 4785.412 NYTME (km.): 194.086 Building: 1

Condition 31: Process Definition By Emission Unit
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 31.1(From Mod 1):

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

Emission Unit: T-23001
Process: TUR Source Classification Code: 2-02-002-01
Process Description: Four (4) Solar Centaur compressor turbines.

Emission Source/Control: 0T01A - Combustion

Emission Source/Control: 0T02A - Combustion Removal Date: 04/03/2012

Emission Source/Control: 0T03A - Combustion Removal Date: 04/03/2012

Emission Source/Control: 0T04A - Combustion

Emission Source/Control: 0T05A - Combustion

Emission Source/Control: 0T06A - Combustion

Item 31.2(From Mod 0):

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

Emission Unit: 1-AUX01
Process: AUX Source Classification Code: 2-02-002-53
Process Description: Operation of Waukesha 148 hp emergency generator

Emission Source/Control: AUX01 - Combustion
Design Capacity: 148 horsepower (mechanical)

Condition 32: Compliance date for existing RICE
Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement:40CFR 63.6595(a)(1), Subpart ZZZZ

Item 32.1:

This Condition applies to Emission Unit: 1-AUX01

Item 32.2:

Owners or operators of existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake horsepower located at a major source of HAP emissions, must comply with the applicable emission limitations and operating limitations no later than June 15, 2007. Owners or operators of existing non-emergency CI stationary RICE with a site rating of more than 500 brake horsepower located at a major source



of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions, must comply with the applicable emission limitations and operating limitations no later than May 3, 2013. Owners or operators of existing stationary SI RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, must comply with the applicable emission limitations and operating limitations no later than October 19, 2013.

Condition 33: Compliance Certification
Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement:40CFR 63.6603(a), Subpart ZZZZ

Item 33.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency and black start spark ignition stationary RICE located at an area source of HAP emissions must comply with the following maintenance procedures:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first,
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first,
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630.

Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655 and submit the notifications and reports listed in 40 CFR 63.6645 and 63.6650.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification



Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement: 40CFR 63.6625(e), Subpart ZZZZ

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any of the following stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

- (1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions;
- (2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions;
- (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;
- (4) An existing non-emergency, non-black start stationary compression ignition RICE with a site rating less than or equal to 300 brake horsepower located at an area source of HAP emissions;
- (5) An existing non-emergency, non-black start 2 stroke lean burn stationary RICE located at an area source of HAP emissions;
- (6) An existing non-emergency, non-black start landfill or digester gas stationary RICE located at an area source of HAP emissions;
- (7) An existing non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;



(8) An existing non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating less than or equal to 500 brake horsepower located at an area source of HAP emissions;

(9) An existing, non-emergency, non-black start 4 stroke lean burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year; and

(10) An existing, non-emergency, non-black start 4 stroke rich burn stationary RICE with a site rating greater than 500 brake horsepower located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 35: Compliance Certification
Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement:40CFR 63.6625(f), Subpart ZZZZ

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, must install a non-resettable hour meter if one is not already installed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Certification
Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement:40CFR 63.6625(h), Subpart ZZZZ



Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 36.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

For operation of a new, reconstructed, or existing stationary engine, the engine's time spent at idle must be minimized during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR 63 Subpart ZZZZ apply.

Parameter Monitored: DURATION OF START UP

Upper Permit Limit: 30 minutes

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED PER
OCCURRENCE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 37: Compliance Certification
Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement: 40CFR 63.6625(j), Subpart ZZZZ

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary spark ignition engine that is subject to the work, operation or management practices in items 6, 7, or 8 of Table 2c of subpart ZZZZ or in items 5, 6, 7, 9, or 11 of Table 2d of subpart ZZZZ has the option of utilizing an oil analysis program in order to extend the specified oil change



requirement in Tables 2c and 2d of subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 38: Compliance Certification
Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement: 40CFR 63.6640(f)(1), Subpart ZZZZ

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an existing emergency stationary RICE with a site rating of less than or equal to 500 brake horsepower located at a major source of HAP emissions, a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake horsepower located at a major source of HAP emissions that was installed on or after June 12, 2006, or an existing emergency stationary



RICE located at an area source of HAP emissions must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) below. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) below, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) below, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

- (i) There is no time limit on the use of emergency stationary RICE in emergency situations.
- (ii) The facility may operate the emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the EPA Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.
- (iii) The facility may operate the emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response



operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph, as long as the power provided by the financial arrangement is limited to emergency power.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 39: Compliance Certification
Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement:40CFR 63.6655(e), Subpart ZZZZ

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that he/she operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan for the following stationary RICE;

- (1) An existing stationary RICE with a site rating of less than 100 brake horsepower located at a major source of HAP emissions.
- (2) An existing stationary emergency RICE.
- (3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Certification
Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement:40CFR 63.6655(f), Subpart ZZZZ



Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operation of any of the stationary RICE in paragraphs (1) or (2) below, requires the owner/operator to keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 41: Compliance Certification

Effective between the dates of 10/19/2013 and 10/19/2016

Applicable Federal Requirement:40CFR 63.6660, Subpart ZZZZ

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-AUX01

Item 41.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).

As specified in 40 CFR 63.10(b)(1), the owner or operator must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-7: Compliance Certification
Effective between the dates of 01/31/2012 and 10/19/2016

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

Item 1-7.1:

The Compliance Certification activity will be performed for:

Emission Unit: T-23001

Regulated Contaminant(s):

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

Item 1-7.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

This is the NO_x RACT limit for compressor turbines. Performance testing completed on January 26-28, 2010, on Units #1A, 2A, 3A, & 4A showed compliance with the 50 ppmvd (corrected to 15% O₂) emission limit. The following compliance assurance measures will also apply to Units #5A & 6A, which are subject to the requirements of 40CFR60 Subpart KKKK and will undergo performance testing in accordance with that rule.

Continued compliance will be assured via:



Monitoring of source operating parameters is addressed by Tennessee Gas Pipeline Company's (TGP) maintenance and monitoring program, which involves a Best Management Practices (BMP) program and the monitoring of fuel consumption as a measure of heat input rate.

The BMP for the turbines are based on the performance of periodic maintenance activities which include 5,000 & 11,000 hour inspections.

For gas turbines, these maintenance activities are the best means to ensure unit health and therefore emissions compliance. Fuel consumption will be monitored as an overall indicator of engine status and heat input rate. Hourly fuel consumption is monitored and used to verify normal operation of the engine. Daily fuel consumption records are maintained in an electronic database.

Parameter Monitored: FUEL

Upper Permit Limit: 50 parts per million by volume (dry, corrected to 15% O₂)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 1-8: Compliance Certification
Effective between the dates of 01/31/2012 and 10/19/2016

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

Item 1-8.1:

The Compliance Certification activity will be performed for:

Emission Unit: T-23001

Regulated Contaminant(s):

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

Item 1-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance with the NO_x RACT emission limit of 50 ppmvd (corrected to 15% O₂) will be verified once every five years, based on the date of the previous test, via performance testing in accordance with 40CFR60, Appendix

New York State Department of Environmental Conservation

Permit ID: 9-2920-00008/00015

Facility DEC ID: 9292000008



A, Method 7E, 3A or 20. A test protocol shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at least 60 days prior to the proposed test date. Department staff will be afforded the opportunity to witness the performance test by notifying the RAPCE of the actual test date. A test report shall be submitted to the RAPCE within 60 days of test completion.

Performance testing completed on January 26-28, 2010, on Units #1A, 2A, 3A, & 4A showed that all four of the gas compressor turbine engines are in compliance with the 50 ppmvd emission limit. The next performance test for these turbines is due to be completed prior to January 29, 2015.

Units #5A & 6A are subject to the requirements of 40CFR60 Subpart KKKK and will undergo performance testing in accordance with that rule, but will be subject to the test protocol, witnessing and final report submission requirements as stated above.

Compliance with the emission limit will be based on a 1-hour average from May 1st through September 30th. Compliance with the emission limit will be based on a 30-day rolling heat input weighted average from October 1st through April 30th.

Upper Permit Limit: 50 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: EPA RM 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 42: 6 NYCRR Part 227-2.4(e)(1) NO_x RACT limit supersedes 40 CFR 60.332(a)(2) NO_x limit Effective between the dates of 10/20/2011 and 10/19/2016

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

Item 42.1:

This Condition applies to Emission Unit: T-23001

Item 42.2: 6 NYCRR Part 227-2.4(e)(1) established a limit of 50 ppmvd, corrected to 15 percent oxygen for NO_x emissions generated by the firing of natural gas in simple cycle combustion turbines. This limits supersedes the NO_x emission limit under 40 CFR 60.332(a)(2).

New York State Department of Environmental Conservation

Permit ID: 9-2920-00008/00015

Facility DEC ID: 9292000008



Condition 1-2: Compliance Certification

Effective between the dates of 01/31/2012 and 10/19/2016

Applicable Federal Requirement:40CFR 60.4320(a), NSPS Subpart

KKKK

Item 1-2.1:

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

Emission Unit: T-23001

Process: TUR

Emission Source: OT05A

Emission Unit: T-23001

Process: TUR

Emission Source: OT06A

Regulated Contaminant(s):

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

Item 1-2.2:

Compliance Certification 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 Met

Monitoring Frequency: ANNUALLY

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2013.

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

Condition 1-3: Compliance Certification

Effective between the dates of 01/31/2012 and 10/19/2016

Applicable Federal Requirement:40CFR 60.4365(a), NSPS Subpart

KKKK

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Permit ID: 9-2920-00008/00015

Facility DEC ID: 9292000008



Item 1-3.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: T-23001

Process: TUR

Emission Source: OT05A

Emission Unit: T-23001

Process: TUR

Emission Source: OT06A

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 1-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility may elect not to monitor the total sulfur content of the fuel combusted in the turbine, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO₂/J (0.060 lb SO₂/mmBtu) heat input.

The facility must use the fuel quality characteristics in a current, valid purchase contract, tariff sheet, or transportation contract for the fuel, specifying that:

- 1) The maximum total sulfur content for oil use is 0.05% by weight (500 ppmw) or less, or
- 2) The total sulfur content for natural gas use is 20 grains of sulfur or less per 100 standard cubic feet, or
- 3) Has potential sulfur emissions of less than 26 ng SO₂/J (0.060 lb SO₂/mmBtu) heat input.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 1-4: Test methods for NO_x

Effective between the dates of 01/31/2012 and 10/19/2016

Applicable Federal Requirement:40CFR 60.4400(a), NSPS Subpart

KKKK

Item 1-4.1:

This Condition applies to:

Emission Unit: T23001

New York State Department of Environmental Conservation

Permit ID: 9-2920-00008/00015

Facility DEC ID: 9292000008



Process: TUR

Emission Source: OT06A

Item 1-4.1:

This Condition applies to Emission Unit: T-23001

Process: TUR

Emission Source: OT05A

Item 1-4.2.3:

The facility must conduct an initial performance test, as required in §60.8. Subsequent performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test).

Performance tests shall be conducted according to the test methodologies listed in §60.4400(a)(1)-(3) as applicable.

Condition 1-5: Compliance Certification
Effective between the dates of 01/31/2012 and 10/19/2016

Applicable Federal Requirement:40CFR 60.4330, NSPS Subpart KKKK

Item 1-5.1:

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

Emission Unit: T-23001

Process: TUR

Emission Source: OT05A

Emission Unit: T-23001

Process: TUR

Emission Source: OT06A

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for sulfur dioxide from a stationary combustion turbine is 0.060 lb SO2/MMBtu heat input. If the turbine simultaneously fires multiple fuels, each fuel must meet this requirement.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.060 pounds per million Btus

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 1-6: Compliance Certification
Effective between the dates of 01/31/2012 and 10/19/2016



Applicable Federal Requirement:40CFR 60.4340(a), NSPS Subpart

KKKK

Item 1-6.1:

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

Emission Unit: T-23001
Process: TUR Emission Source: OT05A

Emission Unit: T-23001
Process: TUR Emission Source: OT06A

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

Item 1-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility is not using water or steam injection to control NOx emissions, the facility must perform annual performance tests in accordance with §60.4400 to demonstrate continuous compliance.

If the NOx emission result from the performance test is less than or equal to 75% of the NOx emission limit for the turbine, the facility may reduce the frequency of subsequent performance tests to once every two years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceeds 75% of the NOx emission limit for the turbine, the facility must resume annual performance tests.

Reference Test Method: EPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 43: Contaminant List
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable State Requirement:ECL 19-0301

Item 43.1:

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 44: Unavoidable noncompliance and violations
Effective between the dates of 10/20/2011 and 10/19/2016**

Applicable State Requirement: 6 NYCRR 201-1.4

Item 44.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 9-2920-00008/00015

Facility DEC ID: 9292000008



(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 45: Visible Emissions Limited
Effective between the dates of 10/20/2011 and 10/19/2016

Applicable State Requirement:6 NYCRR 211.2

Item 45.1:

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

