

New York State Department of Environmental Conservation
Facility DEC ID: 3392800001



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-3928-00001/00027
Mod 0 Effective Date: 02/15/2005 Expiration Date: 02/14/2010
Mod 1 Effective Date: 05/03/2007 Expiration Date: 02/14/2010
Mod 2 Effective Date: Expiration Date:
Mod 3 Effective Date: Expiration Date:

Permit Issued To: ALGONQUIN GAS CO
PO BOX 1642
HOUSTON, TX 77251-1642

Contact: SABINO X GOMEZ
ALGONQUIN GAS CO
PO BOX 1642
HOUSTON, TX 77251-1642
(713) 989-8342

Facility: ALGONQUIN GAS: STONY POINT COMPRESSOR STA
LINDBERG RD
STONY POINT, NY 10980

Description:
The facility is making changes to its Turbine Replacement Project. The facility is replacing the two existing Solar Centaur 40-4700 compressor turbines with two Solar Taurus 60-7800 compressor turbines. The modification involves limiting the NOx emissions of the new Solar Taurus turbines to 30.7 tons per year. The turbines will be natural gas fired and the usage of natural gas will be continuously monitored.

New York State Department of Environmental Conservation
Facility DEC ID: 3392800001



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

Permit Administrator: KENNETH R GRZYB
 NYSDEC REGION 3
 21 SOUTH PUTT CORNERS RD
 NEW PALTZ, NY 12561

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 permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Applications for Permit Renewals and Modifications

Permit modifications, suspensions or revocations by the Department

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 3

HEADQUARTERS

Submission of application for permit modification or renewal-REGION 3

HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

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

Item 1-1.1:

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

Item 1-1.2:

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

Item 1-1.3:



New York State Department of Environmental Conservation
Facility DEC ID: 3392800001

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

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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

Condition 1-2: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 1-2.1:

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

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

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

Item 4.1:

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;

New York State Department of Environmental Conservation
Facility DEC ID: 3392800001



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

****** Facility Level ******

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 3 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

Condition 1-3: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.6(a)

Item 1-3.1:

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

NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ALGONQUIN GAS CO
PO BOX 1642
HOUSTON, TX 77251-1642

Facility: ALGONQUIN GAS: STONY POINT COMPRESSOR STA
LINDBERG RD
STONY POINT, NY 10980

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

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 201-6: Emission Unit Definition
- 3-1 40CFR 60.4340, NSPS Subpart KKKK: Compliance Certification
- 1-15 40CFR 60.4340, NSPS Subpart KKKK: Compliance Certification
- 3-2 40CFR 63.6095(b), Subpart YYYY: Compliance Certification
- 1-16 40CFR 63.6095(b), Subpart YYYY: Compliance Certification

Emission Unit Level

- 16 6NYCRR 201-6: Process Definition By Emission Unit
- 1-17 6NYCRR 201-7: Emission Unit Permissible Emissions

EU=T-00007

- 1-20 6NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with shakedown period)

EU=T-00008

- *3-3 6NYCRR 201-7: Capping Monitoring Condition
- *1-21 6NYCRR 201-7: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 17 ECL 19-0301: Contaminant List
- 19 6NYCRR 201-7: Facility Permissible Emissions

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 - 6NYCRR Part 201-1.5

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

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

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

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

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

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

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

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

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

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

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

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

order to maintain compliance with the conditions of this permit.

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

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

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

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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001



Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

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

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

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

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

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

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



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

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.

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

Condition 1: Emission Unit Definition
Effective between the dates of 02/15/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 1.1(From Mod 3):

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

Emission Unit: T-00008



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Emission Unit Description:

Two Solar Turbines, Inc. Model 60-7800S compressor turbines firing pipeline quality Natural Gas.

Building(s): 1

Item 1.2(From Mod 1):

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

Emission Unit: R-00001

Emission Unit Description:

ONE NATURAL GAS FIRED RECIPROCATING COMPRESSOR ENGINE CLARK MODEL TLA-8.

Building(s): 1

Item 1.3(From Mod 1):

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

Emission Unit: R-00002

Emission Unit Description:

ONE NATURAL GAS FIRED RECIPROCATING COMPRESSOR ENGINE CLARK MODEL TLA-8.

Building(s): 1

Item 1.4(From Mod 1):

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

Emission Unit: R-00003

Emission Unit Description:

ONE NATURAL GAS FIRED RECIPROCATING COMPRESSOR ENGINE CLARK MODEL TLA-8.

Building(s): 1

Item 1.5(From Mod 1):

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

Emission Unit: R-00004

Emission Unit Description:

ONE NATURAL GAS FIRED RECIPROCATING COMPRESSOR ENGINE CLARK MODEL TLA-8.

Building(s): 1

Item 1.6(From Mod 1):

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

Emission Unit: T-00005

Emission Unit Description:

ONE 46.5 MMBTU/HR SOLAR TURBINES, INC.



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

MODEL T-4700S GAS TURBINE.

Building(s): 1

Item 1.7(From Mod 1):

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

Emission Unit: T-00006

Emission Unit Description:

ONE 46.5 MMBTU/HR SOLAR TURBINES, INC.

MODEL T-4700S GAS TURBINE.

Building(s): 1

Item 1.8(From Mod 1):

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

Emission Unit: T-00007

Emission Unit Description:

ONE 97.7 MMBTU/HR SOLAR TURBINES, INC.

MARS MODEL T-12000S GAS TURBINE.

Building(s): 1

Item 1.9(From Mod 1):

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

Emission Unit: T-00009 End Date: 11/15/2007

Emission Unit Description:

One 11.23 MMBTU/hr Cleaver-Brooks CB-LE 250 natural-gas fired package boiler.

Building(s): 1

Condition 3-1: Compliance Certification

Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4340, NSPS Subpart KKKK

Replaces Condition(s) 1-15

Item 3-1.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: T-00008

Process: 108

Emission Source: 00081

Emission Unit: T-00008

Process: 108

Emission Source: 00082



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Regulated Contaminant(s):

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

Item 3-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

New Turbine greater than 50 MMBtu/hr and less than 850 MMBtu firing natural gas only is limited to 25 ppm at 15% Oxygen.

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 percent of the NOX emission limit for the turbine, you may reduce the frequency of subsequent performance tests to once every 2 years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceed 75 percent of the NOX emission limit for the turbine, you must resume annual performance tests.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-15: Compliance Certification

Effective between the dates of 05/03/2007 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.4340, NSPS Subpart KKKK

Replaced by Condition(s) 3-1

Item 1-15.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: T-00008

Process: T08

Emission Source: 00081

Emission Unit: T-00008

Process: T08

Emission Source: 00082



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Emission Unit: T-00008

Process: T08

Emission Source: 00083

Regulated Contaminant(s):

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

Item 1-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

New Turbine greater than 50 MMBtu/hr and less than 850 MMBtu firing natural gas only is limited to 25 ppm at 15% Oxygen.

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 percent of the NOX emission limit for the turbine, you may reduce the frequency of subsequent performance tests to once every 2 years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceed 75 percent of the NOX emission limit for the turbine, you must resume annual performance tests.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 3-2: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.6095(b), Subpart YYY

Replaces Condition(s) 1-16

Item 3-2.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: T-00008

Process: 108

Emission Source: 00081



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Emission Unit: T-00008

Process: 108

Emission Source: 00082

Item 3-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Stay of standards for lean premix gas-fired combustion turbines. Must comply with Initial Notification requirements set forth in 63.6145 but need not comply with any other requirement of this subpart until EPA takes final action to require compliance and publishes a document in the Federal Register.

Initial Notification must be submitted not later than 120 calendar days after becoming subject to this subpart.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-16: Compliance Certification

Effective between the dates of 05/03/2007 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.6095(b), Subpart YYYY

Replaced by Condition(s) 3-2

Item 1-16.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: T-00008

Process: 108

Emission Source: 00081

Emission Unit: T-00008

Process: 108

Emission Source: 00082

Emission Unit: T-00008

Process: 108

Emission Source: 00083

Item 1-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Stay of standards for lean premix gas-fired combustion turbines. Must comply with Initial Notification



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

requirements set forth in 63.6145 but need not comply with any other requirement of this subpart until EPA takes final action to require compliance and publishes a document in the Federal Register.

Initial Notification must be submitted not later than 120 calendar days after becoming subject to this subpart.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Condition 16: Process Definition By Emission Unit
Effective between the dates of 02/15/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Item 16.1(From Mod 3):

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

Emission Unit: T-00008

Process: 108

Source Classification Code: 2-03-002-02

Process Description:

Two Solar Turbines, Inc. Model 60-7802S operating at temperatures above 0 degrees F at all operating loads.

Emission Source/Control: 00081 - Combustion

Design Capacity: 73.28 million Btu per hour

Emission Source/Control: 00082 - Combustion

Design Capacity: 73.28 million Btu per hour

Item 16.2(From Mod 3):

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

Emission Unit: T-00008

Process: T08

Source Classification Code: 2-03-002-02

Process Description:

Two Solar Turbines, Inc. Model 60-7802S operating at temperatures at or below 0 degrees F at all operating loads.

Emission Source/Control: 00081 - Combustion

Design Capacity: 73.28 million Btu per hour



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Emission Source/Control: 00082 - Combustion
Design Capacity: 73.28 million Btu per hour

Item 16.3(From Mod 1):

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

Emission Unit: R-00001
Process: 101
Process Description:
One natural gas fired reciprocating compressor engine
Clark model TLA-8.
Source Classification Code: 2-01-002-02

Emission Source/Control: 00001 - Combustion
Design Capacity: 22.8 million Btu per hour

Item 16.4(From Mod 1):

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

Emission Unit: R-00002
Process: 102
Process Description:
One natural gas fired reciprocating compressor engine
Clark Model TLA-8.
Source Classification Code: 2-01-002-02

Emission Source/Control: 00002 - Combustion
Design Capacity: 22.8 million Btu per hour

Item 16.5(From Mod 1):

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

Emission Unit: R-00003
Process: 103
Process Description:
One natural gas fired reciprocating compressor engine
Clark model TLA-8.
Source Classification Code: 2-01-002-02

Emission Source/Control: 00003 - Combustion
Design Capacity: 22.8 million Btu per hour

Item 16.6(From Mod 1):

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

Emission Unit: R-00004
Process: 104
Process Description:
One natural gas fired reciprocating compressor engine
Source Classification Code: 2-01-002-02



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Clark model TLA-8.

Emission Source/Control: 00004 - Combustion

Design Capacity: 22.8 million Btu per hour

Item 16.7(From Mod 1):

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

Emission Unit: T-00005

Process: 105

Source Classification Code: 2-01-002-01

Process Description:

One 46.5 MMBtu/hr Solar Turbines, Inc. Model T-4700S gas turbine.

Emission Source/Control: 00005 - Combustion

Design Capacity: 46.5 million Btu per hour

Item 16.8(From Mod 1):

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

Emission Unit: T-00006

Process: 106

Source Classification Code: 2-01-002-01

Process Description:

One 46.5 MMBtu/hr Solar Turbines, Inc. Model T-4700S gas turbine.

Emission Source/Control: 00006 - Combustion

Design Capacity: 46.5 million Btu per hour

Item 16.9(From Mod 1):

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

Emission Unit: T-00007

Process: 107

Source Classification Code: 2-01-002-01

Process Description:

One 97.7 MMBtu/hr Solar Turbines, Inc. Mars Model T-1200S gas turbine.

Emission Source/Control: 00007 - Combustion

Design Capacity: 97.7 million Btu per hour

Item 16.10(From Mod 1):

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

Emission Unit: T-00009

Process: 109

Source Classification Code: 1-03-006-02

Process End Date: 11/14/2007



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Process Description:

One 11.23 MMBtu/hr Cleaver Brooks CB-LE 250 natural-fired package boiler.

Emission Source/Control: 00009 - Combustion

Removal Date: 11/15/2007

Design Capacity: 11.23 million Btu per hour

Condition 1-17: Emission Unit Permissible Emissions

Effective between the dates of 05/03/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7

Item 3-17.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: T-00008

CAS No: 0NY210000 (From Mod 3)

Name: OXIDES OF NITROGEN

PTE(s): 61,400 pounds per year

Condition 1-20: Future reduction by Emission Unit Shutdown (with shakedown period)

Effective between the dates of 05/03/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 231-2.6

Expired by Mod 3

Item 1-20.1:

This Condition applies to Emission Unit: T-00007

Item 1-20.2:

Emission Unit No T-00007

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the scheduled first day of fuel combustion by the replacement turbines (offset project, Emission Unit T-00008).

2. The facility shall establish 5.88 tons per year of Oxides of Nitrogen emission reduction credits (ERCs) by the shutdown of Emission Unit T-00007. These ERCs shall only be used as offsets by the Algonquin Stony Point Turbine Replacement project, to the maximum extent possible. If the Algonquin Stony Point Turbine Replacement project does not use all of the established ERCs, the remaining ERCs shall become available for sale as offsets subsequent to the shutdown of the above referenced emission unit.

Condition 3-3: Capping Monitoring Condition



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

Effective for entire length of Permit

Applicable Federal Requirement: 6NYCRR 201-7

Item 3-3.1:

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:

6NYCRR 231-2.4

Item 3-3.2:

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

Item 3-3.3:

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 3-3.4:

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 3-3.5:

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 3-3.6:

The Compliance Certification activity will be performed for:

Emission Unit: T-00008

Regulated Contaminant(s):

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

Item 3-3.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001



Total NO_x emissions from the two (2) Solar Taurus 60-7800 compressor turbines (Emission Sources 00081 and 00082) shall not exceed 30.7 tons of NO_x during any twelve consecutive month period. Equipment specific monthly fuel firing rates, hours of start-up and shutdown, and hours of operation will be monitored and recorded. Monthly NO_x emission rates from these turbines will be calculated as follows:

$$\text{NO}_x = [(\text{FC}) \times (\text{EF}_{\text{ss}}) + (\text{NSU}) \times (\text{ER}_{\text{su}}) + (\text{NSD}) \times (\text{ER}_{\text{sd}}) + (\text{NEX}) \times (\text{ER}_{\text{ex}})] / (2000 \text{ lb/ton})$$

Where:

NO_x = Monthly NO_x emission rate (tons)

FC = Total monthly fuel consumption (million standard cubic feet [MMscf])

NSU = Number of start-up events per month

NSD = Number of shutdown events per month

NEX = Number of turbine operating hours during the month when the ambient temperature was at or below 0 degrees F

EF_{ss} = NO_x emission factor (lb/MMscf) for steady-state operations; prior to stack testing, EF_{ss} equals 55 lb/MMscf (equivalent to manufacturers guarantee of 15 ppmvd @ 15 % oxygen); after each stack test, EF_{ss} equals stack tested value

ER_{su} = NO_x emission rate during start-up event at the annual average temperature (0.71 lb/start-up event for the Solar Taurus 60-7800 turbine)

ER_{sd} = NO_x emission rate during shutdown event at the annual average temperature (0.74 lb/shutdown event for the Solar Taurus 60-7800 turbine)

ER_{ex} = NO_x emission rates during periods when the ambient temperature is at or below 0 degrees F (11.27 lb/hr for the Solar Taurus 60-7800 turbine)

New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001



Monitoring Frequency: CONTINUOUS
Averaging Method: 12-month total, rolled monthly
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

Condition 1-21: Capping Monitoring Condition

Effective between the dates of 05/03/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-7

Expired by Mod 3

Item 1-21.1:

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:

6NYCRR 231-2.4

Item 1-21.2:

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

Item 1-21.3:

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 1-21.4:

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 1-21.5:

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 1-21.6:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001



Emission Unit: T-00008

Regulated Contaminant(s):

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

Item 1-21.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Total NOx emissions from the two (2) Solar Taurus 60-7800 compressor turbines and the Solar Mars 100-15000 compressor turbine (Emission Sources 00081, 00082 and 00083) shall not exceed 34.1 tons of NOx during any twelve consecutive month period. Equipment specific monthly fuel firing rates, hours of start-up and shutdown, and hours of operation will be monitored and recorded. Monthly NOx emission rates from these turbines will be calculated as follows:

$$\text{NOx} = [(\text{FC}) \times (\text{EF}_{\text{ss}}) + (\text{NSU}) \times (\text{ER}_{\text{su}}) + (\text{NSD}) \times (\text{ER}_{\text{sd}}) + (\text{NEX}) \times (\text{ER}_{\text{ex}})] / (2000 \text{ lb/ton})$$

Where:

NOx = Monthly NOx emission rate (tons)

FC = Total monthly fuel consumption (million standard cubic feet [MMscf])

NSU = Number of start-up events per month

NSD = Number of shutdown events per month

NEX = Number of turbine operating hours during the month when the ambient temperature was at or below 0 degrees F

EF_{ss} = NOx emission factor (lb/MMscf) for steady-state operations; prior to stack testing, EF_{ss} equals 55 lb/MMscf (equivalent to manufacturers guarantee of 15 ppmvd @ 15 % oxygen); after each stack test, EF_{ss} equals stack tested value

New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001



ERsu = NO_x emission rate during start-up event at the annual average temperature (1.70 lb/start-up event for the Solar Mars 100-15000 turbine and 0.71 lb/start-up event for the Solar Taurus 60-7800 turbine)

ERsd = = NO_x emission rate during shutdown event at the annual average temperature (1.78 lb/shutdown event for the Solar Mars 100-15000 turbine and 0.74 lb/shutdown event for the Solar Taurus 60-7800 turbine)

ERex = NO_x emission rates during periods when the ambient temperature is at or below 0 degrees F (15.54 lb/hr for the Solar Taurus 70-10300 turbine and 11.27 lb/hr for the Solar Taurus 60-7800 turbine)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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



STATE ONLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 17: Contaminant List
Effective between the dates of 02/15/2005 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 17.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this



New York State Department of Environmental Conservation

Permit ID: 3-3928-00001/00027

Facility DEC ID: 3392800001

permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

Condition 19: Facility Permissible Emissions

Effective between the dates of 02/15/2005 and 05/02/2007

Applicable State Requirement: 6NYCRR 201-7

Expired by Mod 1

Applicaton Specific Data