



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 3-4834-00147/00001  
Effective Date: 08/31/2017 Expiration Date: 08/30/2027

Permit Issued To: MILLENNIUM PIPELINE COMPANY LLC  
One Blue Hill Plz 7th Fl  
PO Box 1565  
Pearl River, NY 10965-1565

Contact: Ron Happach  
1 Blue Hill PLZ FL 7  
PO Box 1565  
Pearl River, NY 10965  
(800) 835-7191

Facility: Highland Compressor Station  
NYS RT 55  
Eldred, NY 12732

Contact: Ron Happach  
1 Blue Hill PLZ FL 7  
PO Box 1565  
Pearl River, NY 10965  
(800) 835-7191

Description:  
As part of the Eastern System Upgrade project and in order to boost pressures on Millennium's natural gas transmission pipeline system, Millennium Pipeline Company LLC is proposing to construct and operate one Solar Titan 130E compressor turbine at the Highland Compressor Station. The turbine is equipped with a SoLoNOx burner and an oxidation catalyst for emissions control. Ancillary project emission sources include one 1,230 horsepower emergency generator, one 1.2 MMBtu/hr gas heater, one 4,000 gallon natural gas liquids tank, and a 1,500 gallon oil tank.

**New York State Department of Environmental Conservation**  
Facility DEC ID: 3483400147



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:           CHRISTOPHER M HOGAN  
  625 BROADWAY  
  ALBANY, NY 12233

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

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



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

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

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

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, 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 the expiration of permits for Title V and State Facility Permits.

**Item 3.3**

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



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

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal-REGION 3 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 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: 3-4834-00147/00001

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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: MILLENNIUM PIPELINE COMPANY LLC

One Blue Hill Plz 7th Fl  
PO Box 1565  
Pearl River, NY 10965-1565

Facility: Highland Compressor Station  
NYS RT 55  
Eldred, NY 12732

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

Permit Effective Date: 08/31/2017

Permit Expiration Date: 08/30/2027



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 211.1: Air pollution prohibited
- 3 6 NYCRR 227-1.3 (a): Compliance Demonstration
- 4 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions

#### Emission Unit Level

#### EU=U-00001

- 5 6 NYCRR 200.6: Compliance Demonstration
- 6 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Demonstration
- 7 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Demonstration
- 8 40CFR 60.4400(a), NSPS Subpart KKKK: Compliance Demonstration
- 9 40CFR 60.4400(b), NSPS Subpart KKKK: Compliance Demonstration
- 10 40CFR 60.5410a(j), NSPS Subpart OOOOa: Compliance Demonstration
- 11 40CFR 60.5415a(h), NSPS Subpart OOOOa: Compliance Demonstration

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 12 ECL 19-0301: Contaminant List
- 13 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 14 6 NYCRR Subpart 201-5: Emission Unit Definition
- 15 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 16 6 NYCRR 201-5.3 (c): Emissions Reduction Measures
- 17 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 18 6 NYCRR 211.2: Visible Emissions Limited

#### Emission Unit Level

- 19 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 20 6 NYCRR Subpart 201-5: Process Definition By Emission Unit





**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

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

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

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

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

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

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



required to operate such device effectively.

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

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

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

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

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

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

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

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

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

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

**Item H: Proof of Eligibility for Sources Defined as Trivial**



**Activities - 6 NYCRR 201-3.3 (a)**

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

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

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

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

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

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

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

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



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

**FEDERAL APPLICABLE REQUIREMENTS**  
**The following conditions are federally enforceable.**

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

**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: Air pollution prohibited**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 2.1:**

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 3: Compliance Demonstration**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**Item 3.1:**

The Compliance Demonstration activity will be performed for the Facility.

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**Item 3.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. In addition, the Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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

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

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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

**Condition 4: Applicability of Subpart A General Provisions**



Effective between the dates of 08/31/2017 and 08/30/2027

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

**Item 4.1:**

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

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

**Condition 5: Compliance Demonstration**  
Effective between the dates of 08/31/2017 and 08/30/2027

Applicable Federal Requirement:6 NYCRR 200.6

**Item 5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

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

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall demonstrate compliance with the one-hour national ambient air quality standard for NO<sub>2</sub> by demonstrating compliance with the oxides of nitrogen (NO<sub>x</sub>) emission limit in this condition. In order to demonstrate compliance with this condition, the facility owner or operator must conduct an emissions test of the Solar Titan 130E combustion turbine on an annual basis. This testing shall be coincident with and conducted at the same operating conditions as the performance tests required by 40 CFR 60 Subpart KKKK.

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

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conducting annual performance tests.

All stack testing conducted pursuant to this condition must be conducted in accordance with a Department approved testing protocol. The facility owner or operator shall submit a testing protocol to the Department for approval at least 30 days in advance of each test.

The facility owner or operator shall submit a written report of the results of each performance test to the Department within 60 days of the completion of the test.

Upper Permit Limit: 10.09 pounds per hour

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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

**Condition 6: Compliance Demonstration**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**KKKK**

**Item 6.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

**Item 6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a combustion turbine firing natural gas that has a heat input at peak load (HHV) greater than 50 MMBtu/hr and less than 850 MMBtu/hr must ensure that the turbine does not emit oxides of nitrogen (NOx) greater than 25 ppm at 15% oxygen under the test conditions specified in 40 CFR 60.4400. Testing is to be conducted when ambient temperatures are greater than zero degrees Fahrenheit and within +/- 25% of full load, or full available load if at least 75% load cannot be achieved in practice.

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Compliance with this emission standard shall be determined using an annual performance test as specified in 40 CFR 60.4340(a). If the NOx emission test result from the performance test is less than or equal to 75% of the NOx emission limit for the turbine, the facility owner or operator may reduce the frequency of subsequent performance tests to once every two years (no more than 26 calendar months from the previous performance test), as described in 40 CFR 60.4340(a). If the results of any subsequent performance test exceed 75% of the applicable NOx emission limit for the turbine, the facility owner or operator must resume annual testing.

All stack testing conducted pursuant to this condition must be conducted in accordance with a Department approved testing protocol. The facility owner or operator shall submit a testing protocol to the Department for approval at least 30 days in advance of each test.

The facility owner or operator shall submit a written report of the results of each performance test, as specified in 40 CFR 60.4375(b), to the Department within 60 days of the completion of testing.

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

Reference Test Method: EPA Reference Test Method 7

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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

**Condition 7: Compliance Demonstration**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

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**Item 7.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 7.2:**



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Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator may elect not to monitor the total sulfur content of the fuel combusted in the combustion turbine if the fuel is demonstrated not to cause the facility to exceed potential sulfur dioxide (SO<sub>2</sub>) emission of 26 nanograms SO<sub>2</sub> per joule (0.060 pounds SO<sub>2</sub> per 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 the total sulfur content of the natural gas is less than or equal to 20 grains of sulfur per 100 standard cubic feet of natural gas, or has potential sulfur dioxide emissions of less than 26 nanograms SO<sub>2</sub> per joule (0.060 pounds SO<sub>2</sub> per MMBtu) heat input.

The facility owner or operator shall maintain a record of each purchase contract, tariff sheet, or transportation contract used to demonstrate compliance with this condition at the facility for a period of at least five years from the date of the record. Records kept pursuant to this condition must be made available to the Department upon request.

A copy of the most recent purchase contract, tariff sheet, or transportation contract shall be included with each annual compliance report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**KKKK**

**Item 8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

**Item 8.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must conduct an initial performance test of the combustion turbine as required by 40 CFR 60.8. Subsequent performance tests shall be conducted on an annual basis (no more than 14 calendar months from the previous performance test) except as described in 40 CFR 60.4340(a).

The initial performance test shall be conducted according to the test methodologies listed in 40 CFR 60.4400(a)(1) - (3), as applicable.

All stack testing conducted pursuant to this condition must be conducted in accordance with a Department approved testing protocol. The facility owner or operator shall submit a testing protocol to the Department for approval at least 30 days in advance of each test.

The facility owner or operator shall submit a written report of the results of each performance test, as specified in 40 CFR 60.4375(b), to the Department within 60 days of the completion of testing.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**KKKK**

**Item 9.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each performance test conducted pursuant to 40 CFR 60 Subpart KKKK must be done at any load condition within +/- 25% of 100% peak load. The facility owner or operator may perform testing at the highest achievable load point if at

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least 75% of peak load cannot be achieved in practice. The facility owner or operator must conduct at least three separate test runs for each performance test. The minimum sampling time per run is twenty (20) minutes.

Compliance with the applicable oxides of nitrogen (NOx) emission limit in 40 CFR 60.4320 must be demonstrated at each tested load level. Compliance is achieved if the three-run arithmetic average NOx emission rate at each test load level meets the applicable emission limit in 40 CFR 60.4320.

If the facility owner or operator elects to install a continuous emissions monitoring system (CEMS), the performance evaluation may either be conducted separately or as part of the initial performance test of the affected unit (as described in 40 CFR 60.4405).

The ambient temperature must be greater than zero (0) degrees Fahrenheit during the performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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

**Condition 10: Compliance Demonstration**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**OOOOa**

**Item 10.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 11: Compliance Demonstration**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**0000a**

**Item 11.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

**Item 11.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

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

- (1) Conduct periodic monitoring surveys as required in 40 CFR 60.5397a(g).
- (2) Repair or replace each identified source of fugitive emissions as required in 40 CFR 60.5397a(h).

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(3) Maintain records as specified in 40 CFR 60.5420a(c)(15).

(4) Submit annual reports for collection of fugitive emissions components at a well site and each collection of fugitive emissions components at a compressor station as required in 40 CFR 60.5420a(b)(1) and (7).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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: Emergency Defense - 6 NYCRR 201-1.5**

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

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

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

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

(3) During the period of the emergency the facility owner 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 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 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 Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records.



Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 12: Contaminant List**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**Item 12.1:**

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 13: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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



**Item 13.1:**

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

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

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

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

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

**Condition 14: Emission Unit Definition**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**Item 14.1:**

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of one Solar Titan 130E combustion turbine rated at 186.7 MMBtu/hr firing natural gas (HHV). The turbine is equipped with Solar's SoLoNOx combustion technology and an oxidation catalyst.





Building(s): 1

**Condition 15: Renewal deadlines for state facility permits**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

**Applicable State Requirement:6 NYCRR 201-5.2 (c)**

**Item 15.1:**

The owner or operator of a facility having an issued state facility 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.

**Condition 16: Emissions Reduction Measures**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**Item 16.1:**

The facility owner or operator shall implement the following emissions reduction measures at the facility:

- (1) The centrifugal gas compressors shall use electric drive starting motors.
- (2) Annual emergency shutdown (ESD) testing shall be conducted as "capped" tests (i.e. minimal discharge of vented natural gas to the outdoor atmosphere). The facility owner or operator may conduct an uncapped ESD test once every five years in order to ensure system safety.
- (3) The gas piping system shall be designed and operated to minimize the quantity of natural gas vented to the outdoor atmosphere during periods of system maintenance.
- (4) Each centrifugal compressor shall use dry type compressor seals.
- (5) The facility owner or operator shall install, operate, and maintain low emissions packing around seals, flanges, and valves.
- (6) The facility owner or operator shall install, operate, and maintain booster pumps for the reduction of emissions during unplanned shutdowns.

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**Item 17.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Division of Air Resources  
NYS Dept. of Environmental Conservation  
Region 3  
21 South Putt Corners Rd.  
New Paltz, NY 12561

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2018.

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

**Condition 18: Visible Emissions Limited**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 18.1:**

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.

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

**Condition 19: Emission Point Definition By Emission Unit**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**Item 19.1:**

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 60	Length (in.): 114	Width (in.): 114
NYTMN (km.): 4603.786	NYTME (km.): 511.142	Building: 1

**Condition 20: Process Definition By Emission Unit**  
**Effective between the dates of 08/31/2017 and 08/30/2027**

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

**New York State Department of Environmental Conservation**

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Facility DEC ID: 3483400147



**Item 20.1:**

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

Emission Unit: U-00001

Process: 001

Source Classification Code: 2-02-002-01

Process Description:

This process consists of firing natural gas in the Solar Titan 130E combustion turbine.

Emission Source/Control: TURB1 - Combustion

Design Capacity: 186.7 million Btu per hour

Emission Source/Control: OCAT1 - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: SLNX1 - Control

Control Type: DRY LOW NO<sub>x</sub> BURNER