



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-1236-00708/00001
Effective Date: 03/18/2013 Expiration Date: 03/17/2023

Permit Type: Stream Disturbance
Permit ID: 4-1236-00708/00003
Effective Date: 03/18/2013 Expiration Date: 03/17/2016

Permit Issued To: MILLENNIUM PIPELINE COMPANY LLC
1 BLUE HILL PLZ 7TH FL
PEARL RIVER, NY 10965

Facility: HANCOCK COMPRESSOR STATION
1579 HUNGRY HILL RD
HANCOCK, NY 13783

Contact: JAMES RANSOM
ONE BLUE HILL PLZ
PO BOX 1565
PEARL RIVER, NY 10965-1565
(845) 620-0156

Description:

The Hancock Compressor Station will be constructed adjacent to an existing Millennium natural gas transmission line. The station will help to increase the downstream pipeline pressure to transport additional gas. The project will ultimately transport natural gas to main transmission pipelines which interconnect to the larger national natural gas transmission network. The primary equipment at this facility will be one Solar Turbines Mars100-16000s turbine and natural gas compressor. Site preparation includes construction of a new access road across a C(t) stream.

New York State Department of Environmental Conservation (DEC)
authorizations required to construct and operate this project are:

Air State Facility Permit - This permit is provided under separate cover.

Article 15 Stream Disturbance Permit - This permit authorizes placement of a temporary span consisting of timber mats across the existing driveway/culvert at an unnamed tributary to Pea Brook, a C(t) stream, at the outset of construction, to allow for the passing of equipment. During a period of low flow, the



temporary span will be lifted, and the existing driveway material and culvert will be removed. The bed and banks of approximately 20 feet of the stream will then be restored to conditions similar to those on either side of the crossing. The temporary span will then be placed back over the stream until the permanent bridge is installed. The permanent bridge will consist of a precast concrete culvert with an open bottom and will be installed when the majority of construction activities associated with the compressor station are complete.

Water Quality Certification - The U.S. Army Corps of Engineers (USACE), in a letter dated February 15, 2013, determined that the proposed stream work activities described above may be authorized under Nationwide Permits (NWP) # 14 and 33. DEC has granted the Water Quality Certification for NWP # 14 and 33, effective April 19, 2012.

SPDES Stormwater General Permit for Construction Activities (GP-0-10-001) - Before commencing construction activity, the owner or operator of a construction project that will involve soil disturbance of one or more acres must obtain coverage under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity.

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 4 SUBOFFICE - STAMFORD



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 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 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 4
SUBOFFICE - STAMFORD
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 4 Sub-office
Division of Environmental Permits
65561 State Highway 10, Suite 1
Stamford, NY 12167-9503
(607) 652-7364

New York State Department of Environmental Conservation

Permit ID: 4-1236-00708/00001

Facility DEC ID: 4123600708



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
1 BLUE HILL PLZ 7TH FL
PEARL RIVER, NY 10965

Facility: HANCOCK COMPRESSOR STATION
1579 HUNGRY HILL RD
HANCOCK, NY 13783

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

Permit Effective Date: 03/18/2013

Permit Expiration Date: 03/17/2023



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 40CFR 60, NSPS Subpart JJJJ: Applicability

Emission Unit Level

EU=U-00001

- 4 6 NYCRR 200.6: Compliance Demonstration
- 5 6 NYCRR 227-1.3 (a): Compliance Demonstration
- 6 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 7 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 8 40CFR 60.7(a), NSPS Subpart A: Date of construction notification - If a COM is not used.
- 9 40CFR 60.7(a), NSPS Subpart A: Modification Notification
- 10 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 11 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 12 40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or Local Agency
- 13 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 14 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver EU Level
- 15 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 16 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 17 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 18 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 19 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 20 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 21 40CFR 60.12, NSPS Subpart A: Circumvention.
- 22 40CFR 60.14, NSPS Subpart A: Modifications.
- 23 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 24 40CFR 60.4320(a), NSPS Subpart KKKK: Compliance Demonstration
- 25 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Demonstration
- 26 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Demonstration
- 27 40CFR 60.4375(b), NSPS Subpart KKKK: Compliance Demonstration
- 28 40CFR 60.4400(a), NSPS Subpart KKKK: Test methods for NOx
- 29 40CFR 60.4400(b), NSPS Subpart KKKK: NOx performance testing methodology

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 30 ECL 19-0301: Contaminant List
- 31 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 32 6 NYCRR Subpart 201-5: Emission Unit Definition
- 33 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 34 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 35 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level



- 36 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 37 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: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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



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

Item F: 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 G: 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 H: 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 I: 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 J: 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 K: 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 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.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Acceptable Ambient Air Quality



Effective between the dates of 03/18/2013 and 03/17/2023

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 03/18/2013 and 03/17/2023

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: Applicability

Effective between the dates of 03/18/2013 and 03/17/2023

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ

Item 3.1:

Facilities that have stationary spark ignition internal combustion engines must comply with applicable portions of 40 CFR 60 subpart JJJJ.

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

Condition 4: Compliance Demonstration

Effective between the dates of 03/18/2013 and 03/17/2023

Applicable Federal Requirement:6 NYCRR 200.6

Item 4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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



Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a stationary combustion turbine must meet the oxides of nitrogen (NO_x) mass emission limit used to demonstrate compliance with the 1-hour NO₂ NAAQS standard.

The emission limit shall be met through performance testing of the turbine. Testing will be performed in accordance with the schedule for emission testing required by NSPS Subpart KKKK required elsewhere in this permit.

Upper Permit Limit: 7.33 pounds per hour

Reference Test Method: EPA Method 7E or Method 20

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 5: Compliance Demonstration
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 5.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

New York State Department of Environmental Conservation

Permit ID: 4-1236-00708/00001

Facility DEC ID: 4123600708



Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 6: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 03/18/2013 and 03/17/2023**

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 6.1:

This Condition applies to Emission Unit: U-00001

Item 6.2:

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

**Condition 7: EPA Region 2 address.
Effective between the dates of 03/18/2013 and 03/17/2023**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 7.1:

This Condition applies to Emission Unit: U-00001

Item 7.2:

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

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

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

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

**Condition 8: Date of construction notification - If a COM is not used.
Effective between the dates of 03/18/2013 and 03/17/2023**

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



Item 8.1:

This Condition applies to Emission Unit: U-00001

Item 8.2:

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

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

**Condition 9: Modification Notification
Effective between the dates of 03/18/2013 and 03/17/2023**

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

Item 9.1:

This Condition applies to Emission Unit: U-00001

Item 9.2:

Any owner or operator subject to 40 CFR Part 60 shall furnish the Administrator and this office with the following information:

- a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR Part 60. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productivity capability of the facility before and after the change, and the expected completion date of the change. The Administrator and/or this Department may request additional information regarding the change.

New York State Department of Environmental Conservation

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Facility DEC ID: 4123600708



Condition 10: Recordkeeping requirements.
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 10.1:
This Condition applies to Emission Unit: U-00001

Item 10.2:
Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 11: Facility files for subject sources.
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 11.1:
This Condition applies to Emission Unit: U-00001

Item 11.2:
The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Condition 12: Notification Similar to State or Local Agency
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 12.1:
This Condition applies to Emission Unit: U-00001

Item 12.2:
If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

Condition 13: Performance testing timeline.
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 13.1:

New York State Department of Environmental Conservation

Permit ID: 4-1236-00708/00001

Facility DEC ID: 4123600708



This Condition applies to Emission Unit: U-00001

Item 13.2:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

Condition 14: Performance Test Methods - Waiver EU Level
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 14.1:

This Condition applies to Emission Unit: U-00001

Item 14.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.

Condition 15: Performance test methods.
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 15.1:

This Condition applies to Emission Unit: U-00001

Item 15.2:

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

Condition 16: Required performance test information.
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 16.1:

This Condition applies to Emission Unit: U-00001

Item 16.2:

Performance tests shall be conducted under such conditions specified by the



Administrator, based upon representative performance data supplied by the owner or operate of the facility.

Condition 17: Prior notice.
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 17.1:
This Condition applies to Emission Unit: U-00001

Item 17.2:
The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 18: Performance testing facilities.
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 18.1:
This Condition applies to Emission Unit: U-00001

Item 18.2:
The following performance testing facilities shall be provided during all tests:

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

Condition 19: Number of required tests.
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 19.1:
This Condition applies to Emission Unit: U-00001

Item 19.2:
Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 20: Opacity standard compliance testing.
Effective between the dates of 03/18/2013 and 03/17/2023



Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 20.1:

This Condition applies to Emission Unit: U-00001

Item 20.2:

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

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

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

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

Condition 21: Circumvention.

Effective between the dates of 03/18/2013 and 03/17/2023

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 21.1:

This Condition applies to Emission Unit: U-00001

Item 21.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 22: Modifications.

Effective between the dates of 03/18/2013 and 03/17/2023

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 22.1:

This Condition applies to Emission Unit: U-00001

Item 22.2:

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

Condition 23: Reconstruction.

Effective between the dates of 03/18/2013 and 03/17/2023



Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 23.1:

This Condition applies to Emission Unit: U-00001

Item 23.2:

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

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

**Condition 24: Compliance Demonstration
Effective between the dates of 03/18/2013 and 03/17/2023**

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

KKKK

Item 24.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a stationary combustion turbine must meet the appropriate oxides of nitrogen (NOx)



emission limit for the operating condition listed in Table 1 of this Subpart. For operations above 0°F at operating loads above 75% of peak load, the limit is 25 parts per million on a volume basis, dry, corrected to 15% oxygen (ppmvd @ 15% O₂). The owner or operator shall limit the NO_x emissions for operations above 0°F at all operating loads to 25 ppmvd @ 15% O₂.

The emission limit shall be met through annual performance testing of the turbine. Annual is defined as no less than 14 calendar months after the previous performance test. The frequency of performance tests may be reduced to once every two years (no more than 26 months from the previous performance test) if the NO_x emission result is less than 75 percent of the limit for the turbine. Performance testing must resume annually if any subsequent performance test exceeds 75 percent of the applicable limit

Results will be reported within 60 days following the completion of the performance test

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

Reference Test Method: EPA Method 7E or Method 20

Monitoring Frequency: ANNUALLY

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

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/16/2014 for the period 03/18/2013 through 03/17/2014

Condition 25: Compliance Demonstration
Effective between the dates of 03/18/2013 and 03/17/2023

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

KKKK

Item 25.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



demonstrate continuous compliance.

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

Reference Test Method: EPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Demonstration
Effective between the dates of 03/18/2013 and 03/17/2023

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

KKKK

Item 26.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

- 1) The maximum total sulfur content for oil use is 0.05% by weight (500 ppmw) or less, or
- 2) The total sulfur content for natural gas use is 20 grains of sulfur or less per 100 standard cubic feet, or

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3) Has potential sulfur emissions of less than 26 ng SO₂/J
(0.060 lb SO₂/mmBtu) heat input.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 27: Compliance Demonstration
Effective between the dates of 03/18/2013 and 03/17/2023

Applicable Federal Requirement:40CFR 60.4375(b), NSPS Subpart

KKKK

Item 27.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

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

Item 27.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

For each affected unit that performs annual performance tests in accordance with §60.4340(a), the facility must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

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

Condition 28: Test methods for NO_x
Effective between the dates of 03/18/2013 and 03/17/2023

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

KKKK

Item 28.1:
This Condition applies to Emission Unit: U-00001

Item 28.2:
The facility must conduct an initial performance test, as required in §60.8. Subsequent performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test).



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

Condition 29: NOx performance testing methodology
Effective between the dates of 03/18/2013 and 03/17/2023

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

KKKK

Item 29.1:

This Condition applies to Emission Unit: U-00001

Item 29.2:

The performance test must be done at any load condition within +/- 25% of 100% of peak load. The facility may perform testing at the highest achievable load point, if at least 75% of peak load cannot be achieved in practice. The facility must conduct three separate test runs for each performance test. The minimum time per run is 20 minutes.

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

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

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

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

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

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



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

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

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

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.



Condition 30: Contaminant List

Effective between the dates of 03/18/2013 and 03/17/2023

Applicable State Requirement:ECL 19-0301

Item 30.1:

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 31: Malfunctions and start-up/shutdown activities

Effective between the dates of 03/18/2013 and 03/17/2023

Applicable State Requirement:6 NYCRR 201-1.4

Item 31.1:

(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.

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(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 32: Emission Unit Definition
Effective between the dates of 03/18/2013 and 03/17/2023

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 32.1:

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

Emission Unit: U-00001

Emission Unit Description:

Solar Mars 100 combustion turbine

Condition 33: Renewal deadlines for state facility permits
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 33.1:

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 34: Compliance Demonstration
Effective between the dates of 03/18/2013 and 03/17/2023

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

Item 34.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 34.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 35: Visible Emissions Limited
Effective between the dates of 03/18/2013 and 03/17/2023

Applicable State Requirement:6 NYCRR 211.2

Item 35.1:

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 36: Emission Point Definition By Emission Unit
Effective between the dates of 03/18/2013 and 03/17/2023

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 36.1:

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.): 95

Width (in.): 95

NYTMN (km.): 4636.9

NYTME (km.): 488.2

Condition 37: Process Definition By Emission Unit
Effective between the dates of 03/18/2013 and 03/17/2023

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 37.1:

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:

Solar Mars 100 combustion turbine operating up to full
load burning natural gas.

Emission Source/Control: TURB1 - Combustion

Design Capacity: 135.6 million Btu per hour

Emission Source/Control: SLNX1 - Control

Control Type: DRY LOW NO_x BURNER

