



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 4-2730-00038/00001
Effective Date: 01/01/2017 Expiration Date: 12/31/2026

Permit Issued To: DOMINION TRANSMISSION INC
925 WHITE OAK BLVD
BRIDGEPORT, WV 26330

Contact: Judith Fox
Dominion Gas Environmental Services
5000 Dominion Blvd.
Glen Allen, VA 23060
(804) 273-4327

Facility: Brookman Corners Compressor Station
East of Casler Rd
Minden, NY 13339

Description:
Dominion Transmission Inc. is proposing to modify the air state facility permit for its Brookman Corners Compressor Station. The proposed modifications will add a new Solar Centaur 50 combustion turbine and two new Caterpillar G3608 reciprocating stationary internal combustion engines. The Brookman Corners Compressor Station is currently a minor facility, and these proposed changes will not cause the facility to become a major facility.

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: _____

Christopher M. Hogan Date: 12/23/2016



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



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Facility Level

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

New York State Department of Environmental Conservation

Facility DEC ID: 4273000038



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 4 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY

PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: DOMINION TRANSMISSION INC
925 WHITE OAK BLVD
BRIDGEPORT, WV 26330

Facility: Brookman Corners Compressor Station
East of Casler Rd
Minden, NY 13339

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

Permit Effective Date: 01/01/2017

Permit Expiration Date: 12/31/2026



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- 14 14 6 NYCRR 200.6: Compliance Demonstration
- 15 15 40CFR 60.4400(a), NSPS Subpart KKKK: Compliance Demonstration

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- 38 40 6 NYCRR 201-5.3 (c): Compliance Demonstration



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

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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

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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 01/01/2017 and 12/31/2026

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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: Maintenance of Equipment
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement:6 NYCRR 200.7

Item 2.1:

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

Condition 3: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 3.1:

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

Condition 4: Required Emissions Tests
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 4.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 5: Air pollution prohibited
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement:6 NYCRR 211.1

Item 5.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such



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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 6: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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

Item 6.1:

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

Emission Unit: T-URBIN

Emission Unit: U-00002

Emission Unit: U-00003

Item 6.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The owner or operator of a stationary combustion installation shall not cause or allow emissions with a six minute average opacity greater than twenty (20) percent, except for one six minute period per hour not to exceed twenty seven (27) percent. Compliance with this limitation shall be determined using EPA Reference Test Method 9 in Appendix A of 40 CFR Part 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 Reference Test Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 7: Applicability of Subpart A General Provisions
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 7.1:

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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 8: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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

KKKK

Item 8.1:

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

Emission Unit: T-URBIN

Emission Unit: U-00002

Regulated Contaminant(s):

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

Item 8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission units T-URBIN and U-00002 must satisfy the emission standards for Oxides of Nitrogen (NO_x) in 40 CFR 60 Subpart KKKK. The owner or operator of a facility with 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 NO_x greater than 25 ppm at 15% O₂ 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.

Compliance with this emission standard shall be determined using an annual performance test as specified in 40 CFR 60.4340(a). If the NO_x emission test result from the performance test is less than or equal to 75% of the NO_x 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 NO_x 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.

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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 the test.

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

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: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 9: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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

KKKK

Item 9.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: T-URBIN

Emission Unit: U-00002

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% 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.

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 NO_x 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

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test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 10: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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

Item 10.1:
The Compliance Demonstration activity will be performed for the Facility.

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 01/01/2017 and 12/31/2026

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

Item 11.1:
The Compliance Demonstration activity will be performed for the Facility.

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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).

(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 1/30/2017.

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

**** Emission Unit Level ****

Condition 12: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 6 NYCRR 200.6

Item 12.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: T-URBIN

Regulated Contaminant(s):

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

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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Monitoring Description:

The facility owner or operator shall demonstrate compliance with the one-hour national ambient air quality standard for NO₂ by demonstrating compliance with the NO_x 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 Taurus 60 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_x emission test results indicate that the facility is emitting less than 75% of the NO_x 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 calendar months from the previous performance test). If the results of any subsequent performance test exceed 75% of the NO_x emission limit for the turbine described in 40 CFR 60.4320, the facility owner or operator must resume 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: 6.37 pounds per hour

Reference Test Method: EPA Reference Test Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Compliance Demonstration

Effective between the dates of 01/01/2017 and 12/31/2026

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

KKKK

Item 13.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: T-URBIN

Emission Unit: U-00002

Regulated Contaminant(s):



CAS No: 007446-09-5 SULFUR DIOXIDE

Item 13.2:

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 14: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 6 NYCRR 200.6

Item 14.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

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

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall demonstrate compliance with the one-hour national ambient air quality standard for NO₂ by demonstrating compliance with the NO_x 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 Centaur 50 combustion turbine on an annual basis. This testing shall be coincident with and conducted at the same operating conditions as the performance tests required by 40 CFR 60 Subpart KKKK.

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

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: 3.2 pounds per hour

Reference Test Method: EPA Reference Test Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 15: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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

KKKK

Item 15.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

Item 15.2:

Compliance Demonstration shall include the following monitoring:

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 in 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).

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

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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 the test.

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

Condition 16: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 6 NYCRR 200.6

Item 16.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

Item 16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall demonstrate compliance with the one-hour national ambient air quality standard for NO₂ by demonstrating compliance with the NO_x emission limit in this condition. This emission limit applies to each of the Caterpillar G3608 engines separately. In order to demonstrate compliance with this condition, the facility owner or operator must conduct an emissions test the Caterpillar G3608 engines every 8760 operating hours or every 3 years, whichever occurs first. This testing shall be coincident with and conducted at the same operating conditions as the periodic testing required by 40 CFR 60 Subpart JJJJ.

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.

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Upper Permit Limit: 2.6 pounds per hour
Reference Test Method: EPA Reference Test Method 7E
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 17: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 40CFR 60.4233(e), NSPS Subpart JJJJ

Item 17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a stationary spark ignition internal combustion engine with a maximum engine power greater than or equal to 75 KW (100 HP), except gasoline and rich burn engines that fire LPG, must comply with the emission standard for volatile organic compounds (excluding formaldehyde) listed below.

The facility owner or operator may instead choose to comply with the equivalent emission standard of 60 parts per million by volume, dry corrected to 15% oxygen.

In addition, the facility owner or operator must conduct an initial performance test within 1 year of the commencement of operation of each engine. In order to demonstrate continuous compliance with the requirements of Subpart JJJJ, the facility owner or operator shall conduct subsequent performance testing every 8,760 operating hours or three years, whichever occurs first, thereafter.

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.

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Upper Permit Limit: 0.7 grams per brake horsepower-hour
Reference Test Method: EPA Reference Test Method 25A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 18: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 40CFR 60.4233(e), NSPS Subpart JJJJ

Item 18.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a stationary spark ignition internal combustion engine with a maximum engine power greater than or equal to 75 KW (100 HP), except gasoline and rich burn engines that fire LPG, must comply with the emission standard for oxides of nitrogen listed below. The facility owner or operator may instead choose to comply with the equivalent emission standard of 82 parts per million by volume, dry corrected to 15% oxygen.

In addition, the facility owner or operator must conduct an initial performance test within 1 year of the commencement of operation of each engine. In order to demonstrate continuous compliance with the requirements of Subpart JJJJ, the facility owner or operator shall conduct subsequent performance testing every 8,760 operating hours or three years, whichever occurs first, thereafter.

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: 1.0 grams per brake horsepower-hour



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Reference Test Method: EPA Reference Test Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 19: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 40CFR 60.4233(e), NSPS Subpart JJJJ

Item 19.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a stationary spark ignition internal combustion engine with a maximum engine power greater than or equal to 75 KW (100 HP), except gasoline and rich burn engines that fire LPG, must comply with the emission standard for carbon monoxide listed below. The facility owner or operator may instead choose to comply with the equivalent emission standard of 270 parts per million by volume, dry corrected to 15% oxygen.

In addition, the facility owner or operator must conduct an initial performance test within 1 year of the commencement of operation of each engine. In order to demonstrate continuous compliance with the requirements of Subpart JJJJ, the facility owner or operator shall conduct subsequent performance testing every 8,760 operating hours or three years, whichever occurs first, thereafter.

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: 2.0 grams per brake horsepower-hour

Reference Test Method: EPA Reference Test Method 10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 20: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement:40CFR 60.4243(b)(2)(ii), NSPS Subpart

JJJJ

Item 20.1:
The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Item 20.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary SI internal combustion engine greater than 500 HP must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the owner or operator must conduct an initial performance test and subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 21: Test methods and procedures
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 21.1:
This Condition applies to Emission Unit: U-00003

Item 21.2:
Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of 40 CFR 60.4244, including :

- Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart.

- The performance tests shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If the stationary SI internal combustion engine is non-operational, the facility does not need to startup the engine solely to conduct a performance test, but must conduct the performance test immediately upon startup of the engine.

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- The facility conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

Condition 22: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 40CFR 60.4245(a), NSPS Subpart JJJJ

Item 22.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of stationary SI ICE that are subject to the provisions of 40 CFR Subpart JJJJ must meet the following notification, reporting and recordkeeping requirements.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 23: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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Applicable Federal Requirement:40CFR 60.4245(c), NSPS Subpart JJJJ

Item 23.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in §60.4231 must submit an initial notification as required in §60.7(a)(1). The notification must include the following:

- (1) Name and address of the owner or operator;
- (2) The address of the affected source;
- (3) Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
- (4) Emission control equipment; and
- (5) Fuel used.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement:40CFR 60.5385a(a), NSPS Subpart

OOOOa

Item 24.1:

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

Emission Unit: U-00003
Process: 104

Emission Source: COMP3

Emission Unit: U-00003
Process: 104

Emission Source: COMP4

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

The owner or operator of a reciprocating compressor must replace the reciprocating compressor rod packing according to either paragraph (1) or (2) below.

(1) On or before the compressor has operated for 26,000 hours. The number of hours of operation must be continuously monitored beginning upon initial startup of your reciprocating compressor affected facility, or the date of the most recent reciprocating compressor rod packing replacement, whichever is later.

(2) Prior to 36 months from the date of the most recent rod packing replacement, or 36 months from the date of startup for a new reciprocating compressor for which the rod packing has not yet been replaced.

As an alternative to the requirements of paragraph (1) and (2) above, the facility owner or operator may choose to collect the methane and VOC emissions from the rod packing using a rod packing emissions collection system that operates under negative pressure and route the rod packing emissions to a process through a closed vent system that meets the requirements of 40 CFR 60.5411a(a) and (d).

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 1/30/2017.

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

Condition 25: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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

OOOOa

Item 25.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00003

Process: 104

Emission Source: COMP3

Emission Unit: U-00003

Process: 104

Emission Source: COMP4

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to achieve initial compliance with the standards for each reciprocating compressor affected facility, the facility owner or

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operator must comply with paragraphs (1) through (4) below.

(1) Continuously monitor the number of hours of operation of the reciprocating compressor or track the number of months since the last rod packing replacement if the facility owner or operator is complying with 40 CFR 60.5385a(a)(1) or (2).

(2) Operate the rod packing emissions collection system under negative pressure and route emissions to a process through a closed vent system that meets the requirements of 40 CFR 60.5411a(a) and (d) if the facility owner or operator is complying with 40 CFR 60.5385a(a)(3).

(3) Submit the initial annual report for the reciprocating compressor as required in 40 CFR 60.5420a(b)(1) and (4).

(4) Maintain the records as specified in 40 CFR 60.5420a(c)(3) for each reciprocating compressor affected facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 40CFR 60.5416a(a), NSPS Subpart

OOOOa

Item 26.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a centrifugal compressor, reciprocating compressor or pneumatic pump subject to the requirements of 40 CFR 60 Subpart OOOOa that is equipped with a closed vent system or cover must inspect each closed vent system as described in paragraphs (1) and (2) below, inspect each cover as described in paragraph (3) below, and inspect each bypass device as described in paragraph (4) below.

(1) For each closed vent system joint, seam, or other connection that is permanently or semi-permanently sealed (e.g., a welded joint between two sections of hard piping or a bolted and gasketed ducting flange), the facility owner or operator must meet the requirements specified in paragraphs (i) and (ii) below:

(i) Conduct an initial inspection according to the test methods



and procedures specified in 40 CFR 60.5416a(b) to demonstrate that the closed vent system operates with no detectable emissions.

(ii) Conduct annual visual inspections for defects that could result in air emissions. Defects include, but are not limited to, visible cracks, holes, or gaps in piping; loose connections; liquid leaks; or broken or missing caps or other closure devices. The facility owner or operator must monitor a component or connection using the test methods and procedures in 40 CFR 60.5416a(b) to demonstrate that it operates with no detectable emissions following any time the component is repaired or replaced or the connection is unsealed.

(2) For closed vent system components other than those specified in paragraph (1) above, the facility owner or operator must meet the requirements of paragraphs (i) through (iii) below.

(i) Conduct an initial inspection according to the test methods and procedures specified in 40 CFR 60.5416a(b) to demonstrate that the closed vent system operates with no detectable emissions.

(ii) Conduct annual inspections according to the test methods and procedures specified in 40 CFR 5416a(b) to demonstrate that the components or connections operate with no detectable emissions.

(iii) Conduct annual visual inspections for defects that could result in air emissions. Defects include, but are not limited to, visible cracks, holes, or gaps in ductwork; loose connections; liquid leaks; or broken or missing caps or other closure devices.

(3) For each cover, the facility owner or operator must meet the requirements in paragraphs (i) and (ii) below.

(i) Conduct visual inspections for defects that could result in air emissions. Defects include, but are not limited to, visible cracks, holes, or gaps in the cover, or between the cover and the separator wall; broken, cracked, or otherwise damaged seals or gaskets on closure devices; and broken or missing hatches, access covers, caps, or other closure devices. In the case where the storage vessel is buried partially or entirely underground, you must inspect only those portions of the cover that extend to or above the ground surface, and those connections that are on such portions of the cover (e.g., fill ports, access hatches, gauge wells, etc.) and can be opened to the atmosphere.

(ii) The facility owner or operator must initially conduct the inspections specified in paragraph (i) above following the installation of the cover. Thereafter, the facility owner or operator must perform the inspection at least once every calendar year, except as provided in paragraphs 40 CFR 60.5416a(b)(11) and (12).

(4) For each bypass device, except as provided for in 40 CFR



60.5411a(c)(3)(ii), the facility owner or operator must meet the requirements of paragraphs (i) or (ii) below.

(i) Set the flow indicator to take a reading at least once every 15 minutes at the inlet to the bypass device that could divert the stream away from the control device to the atmosphere.

(ii) If the bypass device valve installed at the inlet to the bypass device is secured in the non-diverting position using a car-seal or a lock-and-key type configuration, visually inspect the seal or closure mechanism at least once every month to verify that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass device.

The facility owner or operator must maintain records of all inspections conducted pursuant to this condition as required by 40 CFR 60.5420a. Records kept pursuant to this condition must be kept at the facility for a period of at least five years and made available to the Department upon request.

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 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 27: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable Federal Requirement: 40CFR 60.5420a(b), NSPS Subpart

0000a

Item 27.1:

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

Emission Unit: U-00003
Process: 104 Emission Source: COMP3

Emission Unit: U-00003
Process: 104 Emission Source: COMP4

Item 27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a reciprocating compressor must submit an annual report to the Department that contains the following information at a minimum:

(1) The company name, facility site name associated with the affected

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a reciprocating compressor must maintain the following records at the facility for a period of at least five years:

(1) Records of the cumulative number of hours of operation or number of months since initial startup or the previous replacement of the reciprocating compressor rod packing, whichever is later. Alternatively, a statement that emissions from the rod packing are being routed to a process through a closed vent system under negative pressure.

(2) Records of the date and time of each reciprocating compressor rod packing replacement, or date of installation of a rod packing emissions collection system and closed vent system as specified in 40 CFR 60.5385a(a)(3).

(3) Records of deviations in cases where the reciprocating compressor was not operated in compliance with the requirements specified in 40 CFR 60.5385a.

(4) Records of each closed vent system inspection required under 40 CFR 60.5416a(a)(1) and (2).

(5) A record of each cover inspection required under 40 CFR 60.5416a(a)(3).

(6) If the facility is subject to the bypass requirements of 40 CFR 60.5416a(a)(4), a record of each inspection or a record of each time the key is checked out or a record of each time the alarm is sounded.

(7) If the facility is subject to the closed vent system no detectable emissions requirements of 40 CFR 60.5416a(b), a record of the monitoring conducted in accordance with 40 CFR 60.5416a(b).

(8) For each closed vent system routing to a control device or process, the records of the assessment conducted according to 40 CFR 60.5411a(d), including:

(i) A copy of the assessment conducted according to 40 CFR 60.5411a(d)(1); and

(ii) A copy of the certification according to 40 CFR 60.5411a(d)(1)(i)

Records kept pursuant to this condition must be made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY





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 -

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6 NYCRR Part 201-5

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 29: Contaminant List
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable State Requirement: ECL 19-0301

Item 29.1:

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

CAS No: 000630-08-0
Name: CARBON MONOXIDE

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

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

CAS No: 0NY998-00-0
Name: VOC

Condition 30: Malfunctions and start-up/shutdown activities
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable State Requirement: 6 NYCRR 201-1.4

Item 30.1:

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(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 31: Emission Unit Definition
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 31.1:

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

Emission Unit: T-URBIN

Emission Unit Description:

This emission unit consists of a Solar Taurus 60 combustion turbine rated at 7,410 HP and firing exclusively natural gas.

Building(s): 1

Item 31.2:

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



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Emission Unit: U-00002

Emission Unit Description:

This emission unit consists of a Solar Centaur 50 combustion turbine fired exclusively on natural gas with a maximum rating of 6,393 horsepower and a maximum heat input of 59.67 MMBtu/hr HHV.

Building(s): 2

Item 31.3:

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

Emission Unit: U-00003

Emission Unit Description:

This emission unit consists of two Caterpillar Model G3608 natural gas fired reciprocating stationary internal combustion engines. Each engine is rated at 2,370 horsepower with a maximum heat input rating of 17.86 MMBtu/hr.

Building(s): 2

**Condition 32: Renewal deadlines for state facility permits
Effective between the dates of 01/01/2017 and 12/31/2026**

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

Item 32.1:

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 33: Emissions Reduction Measures
Effective between the dates of 01/01/2017 and 12/31/2026**

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

Item 33.1:

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

- (1) All valves and guide vane actuators shall be either electric or of a "low bleed" design as designated by the valve manufacturer.
- (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) The reciprocating engines shall be equipped with air-start starting motors.



**Condition 34: Emissions Reductions from Centrifugal Compressors
Effective between the dates of 01/01/2017 and 12/31/2026**

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

Item 34.1:

The facility owner or operator must implement the following emissions reduction measures for each centrifugal gas compressor operated at the facility:

(1) Each centrifugal compressor shall use dry type compressor seals. The gas seal system shall use an external seal supply to allow for the pressurized hold times during periods of compressor shutdown to be extended to the maximum practical length.

(2) Each centrifugal compressor shall use a vent gas recovery system. This system shall be designed and operated to vent any gas released during periods of start-up or shutdown of the centrifugal compressors to the reciprocating engines in U-00003 for combustion if at least one reciprocating engine is in operation.

(3) The centrifugal gas compressors shall use electric drive starting motors. The electric drive starting motor for the existing turbine (TURB2) shall be installed prior to the date of first firing of the new equipment.

**Condition 35: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026**

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

Item 35.1:

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

Emission Unit: U-00003
Process: 103 Emission Source: 0CAT3

Emission Unit: U-00003
Process: 103 Emission Source: 0CAT4

Item 35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator shall evaluate the technical and economic feasibility of installing a rod packing emissions collection system to collect the methane and VOC emissions from the rod packing of the reciprocating compressor engines which operates under negative pressure and routes the emissions to a process or control device through a closed vent system. Such evaluation must be submitted to the Department at least 24 but not more than 36 months after the

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commencement of operation of the engines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 36: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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

Item 36.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 36.2:

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: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 37: Visible Emissions Limited
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable State Requirement:6 NYCRR 211.2

Item 37.1:

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 38: Emission Point Definition By Emission Unit
Effective between the dates of 01/01/2017 and 12/31/2026

Applicable State Requirement:6 NYCRR Subpart 201-5

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Item 38.1:

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

Emission Unit: T-URBIN

Emission Point: 00001

Height (ft.): 41

Diameter (in.): 42

NYTMN (km.): 4752.981

NYTME (km.): 522.56

Building: 1

Item 38.2:

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 52

Diameter (in.): 48

NYTMN (km.): 4752.949

NYTME (km.): 522.581

Building: 2

Item 38.3:

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

Emission Unit: U-00003

Emission Point: 00003

Height (ft.): 51

Diameter (in.): 21

NYTMN (km.): 4752.942

NYTME (km.): 522.604

Building: 2

Emission Point: 00004

Height (ft.): 51

Diameter (in.): 21

NYTMN (km.): 4752.935

NYTME (km.): 522.612

Building: 2

Condition 39: Process Definition By Emission Unit

Effective between the dates of 01/01/2017 and 12/31/2026

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 39.1:

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

Emission Unit: T-URBIN

Process: 101

Source Classification Code: 2-03-002-02

Process Description:

This process consists of firing natural gas in the Solar Taurus 60 combustion turbine equipped with an oxidation catalyst.

Emission Source/Control: TURB2 - Combustion

Design Capacity: 7,410 horsepower (mechanical)

Emission Source/Control: TURBC - Control

Control Type: CATALYTIC OXIDATION

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Item 39.2:

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

Emission Unit: U-00002

Process: 102

Source Classification Code: 2-02-002-01

Process Description:

This process consists of the firing of natural gas in the Solar Centaur 50 combustion turbine equipped with an oxidation catalyst.

Emission Source/Control: 0SCEN - Combustion

Design Capacity: 6,393 horsepower (mechanical)

Emission Source/Control: SCENC - Control

Control Type: CATALYTIC OXIDATION

Item 39.3:

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

Emission Unit: U-00003

Process: 103

Source Classification Code: 2-02-002-02

Process Description:

This process consists of burning natural gas in the two Caterpillar Model G3608 reciprocating stationary internal combustion engines. Each engine is equipped with a catalytic oxidizer and low NOx combustion technology.

Emission Source/Control: 0CAT3 - Combustion

Design Capacity: 2,370 horsepower (mechanical)

Emission Source/Control: 0CAT4 - Combustion

Design Capacity: 2,370 horsepower (mechanical)

Emission Source/Control: CAT3C - Control

Control Type: CATALYTIC OXIDATION

Emission Source/Control: CAT4C - Control

Control Type: CATALYTIC OXIDATION

Item 39.4:

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

Emission Unit: U-00003

Process: 104

Source Classification Code: 3-06-008-04

Process Description:

This process consists of compressing natural gas in two reciprocating compressors.

Emission Source/Control: COMP3 - Process

Design Capacity: 77.497 million standard cubic feet per day

Emission Source/Control: COMP4 - Process

Design Capacity: 77.497 million standard cubic feet per day

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Condition 40: Compliance Demonstration
Effective between the dates of 01/01/2017 and 12/31/2026

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

Item 40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: T-URBIN

Process: 101

Emission Source: TURB2

Item 40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Dominion Transmission, Inc. has agreed to install an oxidation catalyst to control emissions from the existing Solar Taurus 60 combustion turbine (Emission Source T-URBIN) operated at the facility as part of its New Market Project.

The oxidation catalyst referenced above must be installed no later than 18 months from the date Emission Unit U-00003 is placed into service or October 31st, 2018, whichever is earlier.

The facility owner or operator shall submit a written notification to the Department within 30 days of the completion of construction and commencement of operation of Emission Unit U-00003.

The facility owner or operator shall also submit a written notification to the Department within 30 days of the commencement of construction of the oxidation catalyst. The notification must include the expected in-service date of the oxidation catalyst.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

