



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 9-1442-00039/00015  
Mod 0 Effective Date: 08/05/2016 Expiration Date: 08/04/2026  
Mod 1 Effective Date: 12/13/2016 Expiration Date: 08/04/2026  
Mod 2 Effective Date: 05/01/2017 Expiration Date: 08/04/2026

Permit Issued To: NATIONAL FUEL GAS SUPPLY CORPORATION  
6363 MAIN ST  
BUFFALO, NY 14221

Contact: JOSHUA Z ENNIS  
NATIONAL FUEL GAS SUPPLY CORPORATION  
6363 MAIN ST  
WILLIAMSVILLE, NY 14221-5855  
(814) 871-8233

Facility: PORTERVILLE COMPRESSOR STATION  
350 Hemstreet Rd  
Elma, NY 14052

Contact: JOSHUA Z ENNIS  
NATIONAL FUEL GAS SUPPLY CORPORATION  
6363 MAIN ST  
WILLIAMSVILLE, NY 14221-5855  
(814) 871-8233

Description:  
The National Fuel Gas Supply Corporation Porterville Station is an existing natural gas pipeline compressor station for transmission and storage of natural gas. The compressor station expansion is a part of National Fuel Gas Corporation's (NFG) Northern Access 2016 Project. The purpose of the Project is to provide incremental transportation to markets in the northeastern United States and Canada through National Fuel and Empire's existing interconnections, including Empire's interconnection with TransCanada Pipeline at Chippawa (a receipt point), as well as markets on the Tennessee Gas 200 Line in Erie County, New York, and other interconnections with local gas distribution companies, power generators, and other interstate pipelines available on both the National Fuel and Empire systems. The Project would create approximately 350,000 dekatherms per day of capacity.

The facility previously replaced four existing uncontrolled engines with a single new engine controlled with a non-selective catalytic reduction (NSCR) catalyst. The



purpose of this modification is the addition of two (2) 2675 horsepower Caterpillar G3608A4 lean-burn compressor engines. Compression horsepower addition will allow the facility to operate as both a natural gas transmission and storage facility, with the new compressor engines used to compress natural gas in NFGSC's transmission pipeline.

Both new engines will be equipped with oxidation catalysts to control carbon monoxide (CO), volatile organic compounds (VOC), hazardous air pollutants (HAP), and Hydrocarbon emissions. The catalyst will be in place to comply with the emission limitations outlined in Table 1 of 40 CFR 60 Subpart JJJJ. Compliance with these emission standards shall be determined according an initial performance test and continual compliance demonstrated through subsequent performance testing every 8,760 hours or 3 years, whichever comes first. Performance tests will be conducted in accordance with §60.4244.

The existing 70 hp emergency generator will replaced by a 622-hp Caterpillar G3412 TA natural gas-fired four-stroke rich burn emergency generator which will be equipped with a Non-selective Catalytic Reduction (NSCR) catalyst to comply with the Subpart JJJJ emission standards.

To reduce fugitive emissions, engines will utilize a vent gas recovery system, compressed air pneumatic controls will be implemented where appropriate, and all gas-driven pneumatic devices will be of a "low bleed" or "intermittent bleed" design. The modified facility will function as a natural gas transmission and storage facility at which natural gas is compressed for pipeline transmission and injected into and withdrawn from storage fields, respectively.

Air dispersion modeling was performed to assess the impact of the compressor station's engines on short-term and long-term air quality. Predicted results were compared to the NYSDEC Annual Guidance Concentrations (AGC) and Short-term Guidance Concentrations (SGC). No adverse impacts were identified.

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:           MICHAEL T HIGGINS  
  NYSDEC - HEADQUARTERS  
  625 BROADWAY  
  ALBANY, NY 12233-1750

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
  - 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 9 HEADQUARTERS

**DEC SPECIAL CONDITIONS**

- Required Water Permits



**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 1-1: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 1-1.1:**

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

**Item 1-1.2:**

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

**Item 1-1.3**

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 3: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

The permittee must submit a renewal application at least 180 days before expiration of permits for both 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 9 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 9 Headquarters  
Division of Environmental Permits  
270 Michigan Avenue  
Buffalo, NY 14203-2915  
(716) 85



**DEC SPECIAL CONDITIONS**

1-7165

**Condition 2-1: Required Water Permits**  
**Applicable State Requirement: 6 NYCRR Part 608**

**Item 2-1.1: Commencement of construction is not authorized pursuant to this permit and is prohibited, unless and until National Fuel Gas receives all other State and federal permits necessary for the construction of the Northern Access 2016 Pipeline Project (Project), including but not limited to a Water Quality Certification for the Project from the Department pursuant to Section 401 of the Clean Water Act (33 U.S.C. sec. 1341).**

**New York State Department of Environmental Conservation**

Permit ID: 9-1442-00039/00015

Facility DEC ID: 9144200039



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: NATIONAL FUEL GAS SUPPLY CORPORATION  
6363 MAIN ST  
BUFFALO, NY 14221

Facility: PORTERVILLE COMPRESSOR STATION  
350 Hemstreet Rd  
Elma, NY 14052

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

Mod 0 Permit Effective Date: 08/05/2016

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Mod 2 Permit Effective Date: 05/01/2017

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## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 5 6 NYCRR 201-3.2 (a): Compliance Demonstration
- 9 6 NYCRR 211.1: Air pollution prohibited
- 2-1 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Demonstration
- 2-2 40CFR 60.4234, NSPS Subpart JJJJ: Compliance Demonstration
- 2-3 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Demonstration
- 13 40CFR 60.4244, NSPS Subpart JJJJ: Test methods and procedures
- 1-2 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Demonstration
- 2-4 40CFR 60.4246, NSPS Subpart JJJJ: Subpart A provisions that apply to facilities subject to Subpart JJJJ
- 2-5 40CFR 60.5390a, NSPS Subpart OOOOa: Compliance Demonstration
- 2-6 40CFR 60.5410a(j), NSPS Subpart OOOOa: Compliance Demonstration
- 2-7 40CFR 60.5420a(b), NSPS Subpart OOOOa: Compliance Demonstration

#### Emission Unit Level

##### EU=U-ENG01

- 1-5 40CFR 60.4243(b)(2)(i), NSPS Subpart JJJJ: Compliance Demonstration

##### EU=U-ENG02

- 2-8 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Demonstration

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 19 ECL 19-0301: Contaminant List
- 20 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 21 6 NYCRR Subpart 201-5: Emission Unit Definition
- 22 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 2-9 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 2-10 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 23 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 24 6 NYCRR 211.2: Visible Emissions Limited

#### Emission Unit Level

- 25 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 26 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

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

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

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

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



required to operate such device effectively.

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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



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

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

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

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

**Item 5.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 9: Air pollution prohibited**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 9.1:**

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 2-1: Compliance Demonstration**

**Effective between the dates of 05/01/2017 and 08/04/2026**

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

**Replaces Condition(s) 1-3**

**Item 2-1.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-ENG01

Emission Unit: U-ENG02

**Item 2-1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The two (2) 2,675-hp Caterpillar 3608 A4 natural gas-fired four-stroke lean-burn compressor engines, the 400 horsepower Waukesha F18SE four-stroke rich burn compressor engine and the emergency generator are subject to Subpart JJJJ. The facility is subject to emission limits for Oxides of Nitrogen (NO<sub>x</sub>), Carbon Monoxide (CO) and Volatile Organic Compounds (VOC), along with required monitoring, recordkeeping and reporting from the rule. The regulation should be thoroughly reviewed to determine applicable notification, reporting, and recordkeeping requirements. Please note that per 40CFR 60.4246, NSPS Subpart JJJJ, the following provisions of 40 CFR 60 Subpart A apply to this facility: 60.1 through 60.12, 60.14 through 60.17 and 60.19.

The emission limits outlined in Table 1 of Subpart JJJJ are:

Engines

NO<sub>x</sub> - 1.0 g/bhp-hr

CO - 2.0 g/bhp-hr

VOC - 0.7 g/bhp-hr

Emergency Generator

NO<sub>x</sub> - 2.0 g/bhp-hr

CO - 4.0 g/bhp-hr

VOC - 1.0 g/bhp-hr

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The following actions must be taken by the facility owner:

- All required records will be maintained on-site for a period of five years and made available to representatives of the Department upon request.
- The facility will notify the Department in advance of any proposed addition, removal or relocation of emission points.
- In any situation where these provisions have or are not expected to be achieved, the source owner or operator shall notify the Department.
- An initial performance test within 1 year of engine startup to demonstrate compliance.
- A test protocol shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at least 60 days prior to the proposed test date. Department staff will be afforded the opportunity to witness the performance test by notifying the RAPCE of the actual test date. A test report shall be submitted to the RAPCE within 60 days of test completion.
- Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in §60.4244 within 60 days after the test has been completed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-2: Compliance Demonstration**  
**Effective between the dates of 05/01/2017 and 08/04/2026**

**Applicable Federal Requirement: 40CFR 60.4234, NSPS Subpart JJJJ**

**Replaces Condition(s) 1-4**

**Item 2-2.1:**

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

Emission Unit: U-ENG01

Emission Unit: U-ENG02

**Item 2-2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of stationary spark-ignition internal combustion engines (SI ICE) must operate and maintain stationary SI ICE that achieve the emission

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standards as required in §60.4233 over the entire life of the engine.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 2-3: Compliance Demonstration**  
**Effective between the dates of 05/01/2017 and 08/04/2026**

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

**JJJJ**

**Item 2-3.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-3.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Porterville compressor station is required to meet a carbon monoxide (CO) emission limit of 2.0 grams per brake horsepower hour (g/bhp-hr) per 40 CFR 60 Subpart JJJJ. The two 2675 hp compressor engines will have an uncontrolled CO emission rate of 2.2 g/bhp-hr. An oxidation catalyst will be used as control equipment to lower emissions of CO by a minimum of 77.3% as guaranteed by the manufacturer. To ensure that the facility remains in continuous compliance with the emission limits as outlined in Table 1 of 40 CFR 60 Subpart JJJJ and below the cumulative major source potential to emit threshold of 100 tons per year of CO, facility operators must:

1. Ensure that NSCR and/or oxidation catalysts equipped to engines at the facility are in use and functioning properly any time that the engines are in operation.
2. Provide the catalyst manufacturer's operation and maintenance documents are at the facility at all times and available for review during facility inspections
3. Perform routine monitoring and maintenance in accordance with the manufacture's guidelines.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 13: Test methods and procedures**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

**Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ**





**Item 13.1: 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.
- The facility must 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 1-2: Compliance Demonstration**

**Effective between the dates of 12/13/2016 and 08/04/2026**

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

**Replaces Condition(s) 14**

**Item 1-2.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 1-2.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of stationary spark-ignition internal combustion engines (SI ICE) that are subject to the provisions of 40 CFR 60 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),

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documentation that the engine meets the emission standards.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-4: Subpart A provisions that apply to facilities subject to Subpart JJJJ**

**Effective between the dates of 05/01/2017 and 08/04/2026**

**Applicable Federal Requirement:40CFR 60.4246, NSPS Subpart JJJJ**

**Item 2-4.1:**

The following provisions of 40 CFR 60 Subpart A apply to this facility: 60.1 through 60.12, 60.14 through 60.17 and 60.19.

**Condition 2-5: Compliance Demonstration**

**Effective between the dates of 05/01/2017 and 08/04/2026**

**Applicable Federal Requirement:40CFR 60.5390a, NSPS Subpart**

**OOOOa**

**Item 2-5.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each pneumatic controller affected facility you must comply with the Greenhouse Gas (GHG) and Volatile Organic Compounds (VOC) standards, based on natural gas as a surrogate for GHG and VOC.

Each pneumatic controller affected facility at a location other than at a natural gas processing plant must have a bleed rate less than or equal to 6 standard cubic feet per hour. Records must be kept of the manufacturer's specifications indicating that the controller is designed such that natural gas bleed rate is less than or equal to 6 standard cubic feet per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 2-6: Compliance Demonstration**

**Effective between the dates of 05/01/2017 and 08/04/2026**



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

**0000a**

**Item 2-6.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To achieve 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, you must comply with paragraphs (j)(1) through (5) of this section.

(1) You must develop a fugitive emissions monitoring plan as required in §60.5397a(b)(c), and (d).

(2) You must conduct an initial monitoring survey as required in §60.5397a(f).

(3) You must maintain the records specified in §60.5420a(c)(15).

(4) You must repair each identified source of fugitive emissions for each affected facility as required in §60.5397a(h).

(5) You must 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 compressor station as required in §60.5420a(b)(1) and (7).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-7: Compliance Demonstration**

**Effective between the dates of 05/01/2017 and 08/04/2026**

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

**0000a**

**Item 2-7.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-7.2:**

Compliance Demonstration shall include the following monitoring:

**New York State Department of Environmental Conservation**

Permit ID: 9-1442-00039/00015

Facility DEC ID: 9144200039



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Porterville Compressor Station must follow the applicable provisions as outlined in 40 CFR 60 Subpart OOOOa § 60.5420a. Reports submitted to the Department must include the following information:

- (1) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.
- (2) An identification of each affected facility being included in the annual report.
- (3) Beginning and ending dates of the reporting period.
- (4) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (5) The cumulative number of hours of operation or the number of months since initial startup or since the previous reciprocating compressor rod packing replacement, 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.
- (6) Records of deviations from the operating requirements specified in 40 CFR 60.5385(a) that occurred during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

**Condition 1-5: Compliance Demonstration**  
**Effective between the dates of 12/13/2016 and 08/04/2026**



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

**JJJJ**

**Item 1-5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-ENG01

**Item 1-5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are an owner or operator of a stationary spark-ignition (SI) internal combustion engine greater than or equal to 25 HP and less than or equal to 500 HP, you 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, you must conduct an initial performance test within 1 year of engine startup to demonstrate compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-8: Compliance Demonstration  
Effective between the dates of 05/01/2017 and 08/04/2026**

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

**JJJJ**

**Item 2-8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-ENG02

**Item 2-8.2:**

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: AS REQUIRED - SEE MONITORING DESCRIPTION



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

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

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

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

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

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

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

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

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

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

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

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

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



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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 19: Contaminant List**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

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

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

No contaminants.

**Condition 20: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

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

**Item 20.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during





periods of start-up, shutdown, or malfunction.

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

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

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

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

**Condition 21: Emission Unit Definition**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

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

**Item 21.1(From Mod 2):**

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

Emission Unit: U-ENG01

Emission Unit Description:

This emission unit includes one (1) 400-HP natural gas fired four-stroke rich burn compressor engine equipped with a non-selective catalytic reduction (NSCR) catalyst.

Building(s): 01

**Item 21.2(From Mod 2):**

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

Emission Unit: U-ENG02

**New York State Department of Environmental Conservation**

Permit ID: 9-1442-00039/00015

Facility DEC ID: 9144200039



**Emission Unit Description:**

This emission unit includes two (2) 2,675-HP natural-gas fired four-stroke lean burn compressor engines each equipped with an oxidation catalyst.

Building(s): 02  
03

**Condition 22: Renewal deadlines for state facility permits  
Effective between the dates of 08/05/2016 and 08/04/2026**

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

**Item 22.1:**

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 2-9: Compliance Demonstration  
Effective between the dates of 05/01/2017 and 08/04/2026**

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

**Item 2-9.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must implement the following emission reduction measures for the compressor engines operated at the facility:

- 1) The two (2) 2,675-HP compressor engines 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 one of the centrifugal compressors to the other if that unit is in operation. 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. This system shall be operated as designed when operationally feasible and when gas recovery does not pose a hazard to the facility or personnel.
- 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) Use of electric, as opposed to natural gas powered, pneumatic controllers wherever applicable. Pneumatic controllers are automated instruments used for maintaining liquid levels, pressure and temperature. These controllers often are powered by high-pressure natural gas and may release gas (including methane and VOCs) with every valve movement, or continuously, in many cases, as part of their normal operations. Electric pneumatic controllers, which have no VOC emissions, are not covered by 40 CFR 60 Subpart OOOOa.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 2-10: Compliance Demonstration**  
**Effective between the dates of 05/01/2017 and 08/04/2026**

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

**Item 2-10.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 2-10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility is required to notify the Regional Air Pollution Control Engineer (RAPCE) of any release of natural gas greater than or equal to 1.0 MMscf associated with a single metering, purging and/or maintenance activity. For plan gas releases, the facility must notify the Department at least seven (7) days prior and for unplanned gas releases within seven (7) days after the event. The following information shall be submitted to the RAPCE using a form acceptable to the Department:

- 1) The approximate date(s) and duration of the activity;
- 2) The type of, and reason for, the activity;
- 3) The physical location including description of the processes and equipment involved; and
- 4) An estimate of the amount natural gas released.

**New York State Department of Environmental Conservation**

Permit ID: 9-1442-00039/00015

Facility DEC ID: 9144200039



The above information, included the actual volumes of natural gas released, shall be kept on site for a minimum of five (5) years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 23: Compliance Demonstration**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

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

**Item 23.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 23.2:**

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 9  
270 Michigan Ave.  
Buffalo, NY 14203

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 24: Visible Emissions Limited**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 24.1:**

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 25: Emission Point Definition By Emission Unit**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

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



**Item 25.1(From Mod 2):**

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

Emission Unit: U-ENG01

Emission Point: 00101

Height (ft.): 20 Diameter (in.): 6  
NYTMN (km.): 4744.5 NYTME (km.): 206.8 Building: 01

**Item 25.2(From Mod 2):**

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

Emission Unit: U-ENG02

Emission Point: 00102

Height (ft.): 50 Diameter (in.): 35  
NYTMN (km.): 4744.5 NYTME (km.): 206.8 Building: 02

Emission Point: 00103

Height (ft.): 50 Diameter (in.): 35  
NYTMN (km.): 4744.5 NYTME (km.): 206.8 Building: 03

**Condition 26: Process Definition By Emission Unit**  
**Effective between the dates of 08/05/2016 and 08/04/2026**

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

**Item 26.1(From Mod 2):**

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

Emission Unit: U-ENG01

Process: NGS Source Classification Code: 2-03-002-01

Emission Source/Control: ENG01 - Combustion  
Design Capacity: 400 horsepower (mechanical)

Emission Source/Control: NSCR1 - Control  
Control Type: CATALYTIC REDUCTION

**Item 26.2(From Mod 2):**

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

Emission Unit: U-ENG02

Process: NGT Source Classification Code: 2-03-002-01

Process Description:

This process includes two (2) 2,675-HP natural gas-fired four-stroke lean burn compressor engines used to compress natural gas in NFGSC's transmission pipeline. Each of the two (2) engines are equipped with an oxidation catalyst.



Emission Source/Control: ENG02 - Combustion  
Design Capacity: 2,675 horsepower (mechanical)

Emission Source/Control: ENG03 - Combustion  
Design Capacity: 2,675 horsepower (mechanical)

Emission Source/Control: OXID2 - Control  
Control Type: CATALYTIC OXIDATION

Emission Source/Control: OXID3 - Control  
Control Type: CATALYTIC OXIDATION