



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-1438-00044/00014
Mod 0 Effective Date: 04/02/2012 Expiration Date: 04/01/2017
Mod 1 Effective Date: 03/31/2015 Expiration Date: 04/01/2017

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

Contact: JOSHUA Z ENNIS
NATIONAL FUEL GAS SUPPLY CORPORATION
1100 STATE ST
ERIE, PA 16501
(814) 871-8233

Facility: CONCORD COMPRESSOR STATION
5510 GENESEE RD
SPRINGVILLE, NY 14141

Contact: JOSHUA Z ENNIS
NATIONAL FUEL GAS SUPPLY CORPORATION
1100 STATE ST
ERIE, PA 16501
(814) 871-8233

Description:
The National Fuel Gas (NFG) Supply Corporation Concord Facility is a natural gas transmission facility. This permit modification will allow the addition of one simple-cycle natural gas-fueled combustion turbine rated at approximately 7753 horsepower (HP) at site conditions and an emergency generator to replace the existing emergency generator. The modification is part of the Niagara Expansion Project and the Northern Access 2015 Project which are joint projects undertaken by National Fuel Gas Supply Corporation and Tennessee Gas Pipeline Company and are subject to permitting under the Federal Energy Regulatory Commission (FERC).

The turbine is limited to NO_x emissions concentrations of 25 parts per million by volume on a dry basis adjusted to 15 percent oxygen to meet the requirements of 40CFR60 Subpart KKKK for new turbines firing natural gas with a heat input between 50 and 850 MMBtu/hr. Compliance with this



emission standard shall be determined according to the annual performance tests as specified in §60.4340 and §60.4440.

The emission limit for sulfur dioxide from a stationary combustion turbine is 0.060 lb SO₂/MMBtu heat input. NFG will not burn fuels which contain total potential sulfur emissions in excess of the limit.

The turbine is also subject to 6NYCRR Part 227-1.3(a) which limits the opacity of emissions to less than 20%.

The turbine's potential-to-emit emission rates were compared to the significant project thresholds for all pertinent contaminants found in Table 6 of the 6NYCRR Part 231-13.6. Since no thresholds were exceeded for this permit modification project consisting of the addition of one turbine and one emergency generator, Part 231 New Source Review is not applicable.

Air dispersion modeling was performed as part of the permit modification to assess the impact of the compressor station's turbine and emergency generator on short-term and long-term air quality. The specific contaminants that were modeled were nitrogen dioxide (NO₂), particulate matter (PM_{2.5} and PM₁₀), and formaldehyde. Predicted results were compared to the NYSDEC Annual Guidance Concentrations (AGC) and Short-term Guidance Concentrations (SGC). No adverse impacts were identified.

The facility consists of five natural gas-fired stationary reciprocating internal combustion compressor engines, each rated at 2250 HP. The existing and new emergency generators, rated at 378 HP and 1053 HP, respectively, are exempt from permitting per 6 NYCRR Part 201-3.2(c)(6) since they operate less than 500 hours per year. Both generators are subject to 40CFR63 Subpart ZZZZ, and the new generator is additionally subject to 40CFR60 Subpart JJJJ.

The most recent renewal of this permit in 2012 allowed NFG to install two pipeline jumpers beyond the existing Concord Compressor site in order to allow for transmission of natural gas in both the northward and southward directions, and therefore improve natural gas delivery flexibility for natural gas users in the region. The installation of these two pipeline jumpers was considered a facility modification; thus NFG was required to assess the applicability of 6 NYCRR Part 231-6 New Source Review (NSR) to this action. A Significant Net Emission Increase calculation was completed using a baseline period of March 2007 through February 2009. To ensure that the facility's emissions do not increase more than the Significant Net Emission Increase levels of 40 tons per



year of volatile organic compounds (VOC) and oxides of nitrogen (NO_x) and 100 tons per year of carbon monoxide (CO), the permit contains emission limitations for each of those three contaminants from the five compressor engines as follows:

NO_x = 110 tons per rolling 12-month period
VOC = 95 tons per rolling 12-month period
CO = 185 tons per rolling 12-month period

Reference method tests were performed on two of the five identical engines for NO_x, VOC, and CO to establish the emission factors for each engine in pounds per hour for NO_x, VOC, and CO. The emission factors will be the basis for calculating emissions to demonstrate that the facility emissions remain below the permitted emission limitations for each rolling 12-month period. The reference testing also served to assure compliance with the 1.5 grams per brake horsepower-hour per hour NO_x emission limit found in 6 NYCRR Part 227-2.4(f)(1) for lean burn spark ignited natural gas fired stationary internal combustion engines. The compressor engines are also subject to the opacity limitations of 6 NYCRR Part 227-1.3(a).

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: LISA M CZECHOWICZ
NYSDEC - REGION 9
270 MICHIGAN AVE
BUFFALO, NY 14203-2915

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by



the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 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) 851-7165

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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6363 MAIN ST
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Facility: CONCORD COMPRESSOR STATION
5510 GENESEE RD
SPRINGVILLE, NY 14141

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

Mod 0 Permit Effective Date: 04/02/2012

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Mod 1 Permit Effective Date: 03/31/2015

Permit Expiration Date: 04/01/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 1-1 6 NYCRR 201-6.4 (a) (7): Fees
- 1-2 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance
Monitoring
- 1-3 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and
Measurement
- 1-4 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 1-5 6 NYCRR 201-6.4 (e): Compliance Certification
- 6 6 NYCRR 202-2.1: Compliance Certification
- 7 6 NYCRR 202-2.5: Recordkeeping requirements
- 8 6 NYCRR 215.2: Open Fires - Prohibitions
- 9 6 NYCRR 200.7: Maintenance of Equipment
- 1-6 6 NYCRR 201-1.7: Recycling and Salvage
- 11 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected
Contaminants to the air
- 1-7 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 1-8 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 1-9 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 1-10 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 1-11 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 1-12 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 27 6 NYCRR 211.1: Air pollution prohibited
- 28 6 NYCRR 227-1.3 (a): Compliance Certification
- 1-13 6 NYCRR 227-2.4 (f) (1): Compliance Certification
- 1-14 6 NYCRR 231-6.1: Compliance Certification
- 30 40CFR 63, Subpart ZZZZ: Applicability
- 34 40CFR 63.6665, Subpart ZZZZ: General provisions

Emission Unit Level

- 35 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 36 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 1-15 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions

EU=U-00001,Proc=ICE

- *1-16 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-17 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *1-18 6 NYCRR Subpart 201-7: Capping Monitoring Condition

EU=U-00001,EP=00006,Proc=EGN,ES=EGN01

- 1-19 40CFR 63.6602, Subpart ZZZZ: Compliance Certification
- 1-20 40CFR 63.6625, Subpart ZZZZ: Compliance Certification
- 1-21 40CFR 63.6655, Subpart ZZZZ: Compliance Certification



EU=U-00001,EP=0006A,Proc=EGN,ES=EGN02

- 1-22 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 1-23 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 1-24 40CFR 60.4233(e), NSPS Subpart JJJJ: Compliance Certification
- 1-25 40CFR 60.4234, NSPS Subpart JJJJ: Compliance Certification
- 1-26 40CFR 60.4243(b)(2)(ii), NSPS Subpart JJJJ: Compliance Certification
- 1-27 40CFR 60.4243(d), NSPS Subpart JJJJ: Compliance Certification
- 1-28 40CFR 60.4244, NSPS Subpart JJJJ: Compliance Certification
- 1-29 40CFR 60.4245(a), NSPS Subpart JJJJ: Compliance Certification
- 1-30 40CFR 60.4245(b), NSPS Subpart JJJJ: Compliance Certification
- 1-31 40CFR 60.4245(c), NSPS Subpart JJJJ: Compliance Certification
- 1-32 40CFR 60.4245(d), NSPS Subpart JJJJ: Compliance Certification
- 1-33 40CFR 60.4246, NSPS Subpart JJJJ: Compliance Certification
- 1-34 40CFR 63.6645(f), Subpart ZZZZ: Compliance Certification

EU=U-00002,EP=00007,Proc=ICT,ES=TUR01

- 1-35 6 NYCRR 227-2.4 (e) (1): Compliance Certification
- 1-36 40CFR 60.4320, NSPS Subpart KKKK: Compliance Certification
- 1-37 40CFR 60.4320, NSPS Subpart KKKK: Compliance Certification
- 1-38 40CFR 60.4330, NSPS Subpart KKKK: Compliance Certification
- 1-39 40CFR 60.4333, NSPS Subpart KKKK: Compliance Certification
- 1-40 40CFR 60.4375(b), NSPS Subpart KKKK: Compliance Certification
- 1-41 40CFR 60.4400, NSPS Subpart KKKK: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 37 ECL 19-0301: Contaminant List
- 1-42 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

NOTE: * preceding the condition number indicates capping.



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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Emergency Defense - 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 Title V Facilities - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)

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

Item D: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)

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

Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)

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

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

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

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR 201-6.4 (a) (6)

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



Item I: Severability - 6 NYCRR 201-6.4 (a) (9)

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

Item J: Permit Shield - 6 NYCRR 201-6.4 (g)

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

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

Item K: Reopening for Cause - 6 NYCRR 201-6.4 (i)

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 04/02/2012 and 04/01/2017

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 1-1: Fees
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 1-1.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 1-2: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-6.4 (c)



Item 1-2.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 1-3: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 03/31/2015 and 04/01/2017**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (2)

Item 1-3.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 1-4: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017**

Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)

Item 1-4.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:



Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill



Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-5: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement: 6 NYCRR 201-6.4 (e)

Item 1-5.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters.

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The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC Region 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203-2915

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due on the same day each year

Condition 6: Compliance Certification
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 6.1:

The Compliance Certification activity will be performed for the Facility.



Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 7: Recordkeeping requirements
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 8: Open Fires - Prohibitions
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:

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

Item 8.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous



agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 9: Maintenance of Equipment
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 200.7

Item 9.1:

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 1-6: Recycling and Salvage
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 1-6.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 11: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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 1-7: Exempt Sources - Proof of Eligibility
Effective between the dates of 03/31/2015 and 04/01/2017

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

Item 1-7.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 1-8: Trivial Sources - Proof of Eligibility
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 1-8.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 1-9: Requirement to Provide Information
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)

Item 1-9.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any



information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 1-10: Right to Inspect

Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 1-10.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 1-11: Off Permit Changes

Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

Item 1-11.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the



change.

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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 19: Accidental release provisions.
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.



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

Condition 21: Emission Unit Definition
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 1):

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of five (5) 2250 HP two stroke lean burn natural gas-fired stationary reciprocation internal combustion engines; and one (1) 791 HP four stroke rich burn natural gas-fired stationary emergency generator, identified as emission source EGN02, which is exempt from permitting part 6NYCRR Part 201 but is subject to New Source Performance Standard 40CFR60 Subpart JJJJ. This emergency generator will replace an existing 378 HP natural gas-fired stationary emergency generator, identified as emission source EGN01, which was also exempt from permitting but was subject to National Emission Standard for Hazardous Air Pollutants 40CFR63 Subpart ZZZZ.

Building(s): 1
2

Item 21.2(From Mod 1):

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

Emission Unit: U-00002

Emission Unit Description:

This emission unit consists of one (1) simple-cycle natural gas-fueled combustion turbine. The NO_x concentration in turbine emissions will not exceed 25 ppmv (dry) at 15% oxygen. The turbine is approximately 7753 horsepower at site conditions.

Building(s): 3

Condition 1-12: Progress Reports Due Semiannually
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 1-12.1:

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Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 27: Air pollution prohibited
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 211.1

Item 27.1:

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 28: Compliance Certification
Effective between the dates of 04/02/2012 and 04/01/2017

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the facility on a monthly basis. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or



have occurred.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with 6NYCRR Part 227.1.3(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: MONTHLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 1-13: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 227-2.4 (f) (1)

Replaces Condition(s) 39

Item 1-13.1:

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

Emission Unit: U-00001

Emission Unit: U-00001
Process: ICE

Emission Point: 00001
Emission Source: ENG01

Emission Unit: U-00001
Process: ICE

Emission Point: 00002
Emission Source: ENG02

Emission Unit: U-00001
Process: ICE

Emission Point: 00003
Emission Source: ENG03

Emission Unit: U-00001
Process: ICE

Emission Point: 00004
Emission Source: ENG04

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Emission Unit: U-00001
Process: ICE

Emission Point: 00005
Emission Source: ENG05

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

Item 1-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Performance tests on two representative engines will be conducted once per permit term to determine an emission factor for NO_x. The exhaust gas air flow will be determined by conducting a performance test in accordance with 40 CFR 60, Appendix A, Methods 1, 2, 3, and 4. The NO_x emission factor will be determined by conducting a performance test in accordance with 40 CFR 60, Appendix A, Method 7, 7E, 20 or 320. The averages of the NO_x results of the two tests will be used as the emission factor for the term of the permit. The emission factor will be stated in terms of lbs/hr.

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. These performance tests will be conducted within 120 days of the issuance date of the Title V Facility Air Permit renewal or within 60 days of the date that the facility recommences operations, whichever is later. A test report shall be submitted to the RAPCE within 60 days of test completion.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.5 grams per brake horsepower-hour

Reference Test Method: EPA Reference Method 7, 7E, 20 or 320

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-14: Compliance Certification

Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement: 6 NYCRR 231-6.1

Replaces Condition(s) 29

Item 1-14.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: U-00001

Emission Unit: U-00001
Process: ICE

Emission Point: 00001
Emission Source: ENG01

Emission Unit: U-00001
Process: ICE

Emission Point: 00002
Emission Source: ENG02

Emission Unit: U-00001
Process: ICE

Emission Point: 00003
Emission Source: ENG03

Emission Unit: U-00001
Process: ICE

Emission Point: 00004
Emission Source: ENG04

Emission Unit: U-00001
Process: ICE

Emission Point: 00005
Emission Source: ENG05

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE
CAS No: 0NY998-00-0 VOC

Item 1-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Performance tests on two representative engines will be conducted once per permit term to determine emission factors for volatile organic compounds (VOC) and carbon monoxide (CO). The exhaust gas air flow will be determined by conducting a performance test in accordance with 40 CFR 60, Appendix A, Methods 1, 2, 3, and 4. VOC and CO emission factors will be determined by conducting a performance test in accordance with 40 CFR 60, Appendix A, Methods 18, 25A & 10, respectively, or as agreed upon prior to testing. The averages of the VOC and CO results from the testing of the two engines will be used as the emission factors for the term of the permit. The emission factors will be stated in terms of lbs/hr for each contaminant.

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. These performance tests will be conducted within 120 days of the issue date of the Title V Facility Air Permit renewal or within 60 days of the date that the facility recommences operations, whichever is later. A test report shall be submitted to the RAPCE within 60 days of test completion.



Reference Test Method: EPA Reference Methods 18, 25A & 10
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Applicability
Effective between the dates of 10/19/2013 and 04/01/2017
Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 30.1:
Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

Condition 34: General provisions
Effective between the dates of 10/19/2013 and 04/01/2017
Applicable Federal Requirement:40CFR 63.6665, Subpart ZZZZ

Item 34.1:
Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.

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

Condition 35: Emission Point Definition By Emission Unit
Effective between the dates of 04/02/2012 and 04/01/2017
Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 35.1(From Mod 1):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001			
Emission Point: 00001			
Height (ft.): 41	Diameter (in.): 24		
NYTMN (km.): 4719.22	NYTME (km.): 189.729	Building: 1	
Emission Point: 00002			
Height (ft.): 41	Diameter (in.): 24		
NYTMN (km.): 4719.22	NYTME (km.): 189.729	Building: 1	
Emission Point: 00003			
Height (ft.): 41	Diameter (in.): 24		
NYTMN (km.): 4719.22	NYTME (km.): 189.729	Building: 1	



Emission Point: 00004
Height (ft.): 41 Diameter (in.): 24
NYTMN (km.): 4719.22 NYTME (km.): 189.729 Building: 1

Emission Point: 00005
Height (ft.): 41 Diameter (in.): 24
NYTMN (km.): 4719.22 NYTME (km.): 189.729 Building: 1

Emission Point: 00006
Height (ft.): 22 Diameter (in.): 14
NYTMN (km.): 4719.109 NYTME (km.): 189.649 Building: 2

Emission Point: 0006A
Height (ft.): 11 Diameter (in.): 8
NYTMN (km.): 4719.109 NYTME (km.): 189.649 Building: 2

Item 35.2(From Mod 1):

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

Emission Unit: U-00002

Emission Point: 00007
Height (ft.): 50 Diameter (in.): 58
NYTMN (km.): 4719.109 NYTME (km.): 189.649 Building: 3

Condition 36: Process Definition By Emission Unit

Effective between the dates of 04/02/2012 and 04/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 36.1(From Mod 1):

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

Emission Unit: U-00001
Process: EGN Source Classification Code: 2-01-002-02
Process Description:

The operation of one (1) exempt natural gas-fired stationary emergency generator. The maximum operating hours of the emergency generator is 500 hours per year. The existing 378 HP emergency generator will be removed once the new 791 HP emergency generator is operable.

Emission Source/Control: EGN01 - Combustion
Design Capacity: 378 horsepower (mechanical)

Emission Source/Control: EGN02 - Combustion
Design Capacity: 791 horsepower (mechanical)

Item 36.2(From Mod 1):

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

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Facility DEC ID: 9143800044



Emission Unit: U-00001

Process: ICE

Source Classification Code: 2-03-002-01

Process Description:

The operation of five (5) natural gas-fired stationary reciprocating internal combustion compressor engines.

Emission Source/Control: EGN01 - Combustion

Design Capacity: 378 horsepower (mechanical)

Emission Source/Control: EGN02 - Combustion

Design Capacity: 791 horsepower (mechanical)

Emission Source/Control: ENG01 - Combustion

Design Capacity: 2,250 horsepower (mechanical)

Emission Source/Control: ENG02 - Combustion

Design Capacity: 2,250 horsepower (mechanical)

Emission Source/Control: ENG03 - Combustion

Design Capacity: 2,250 horsepower (mechanical)

Emission Source/Control: ENG04 - Combustion

Design Capacity: 2,250 horsepower (mechanical)

Emission Source/Control: ENG05 - Combustion

Design Capacity: 2,250 horsepower (mechanical)

Item 36.3(From Mod 1):

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

Emission Unit: U-00002

Process: ICT

Source Classification Code: 2-02-002-02

Process Description:

The operation of one (1) natural gas-fired Solar T-60 turbine with SoLoNox technology.

Emission Source/Control: TUR01 - Combustion

Condition 1-15: Emission Unit Permissible Emissions

Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-15.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00001

CAS No: 000630080 (From Mod 1)

Name: CARBON MONOXIDE

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



PTE(s): 370,000 pounds per year

CAS No: 0NY210000 (From Mod 1)

Name: OXIDES OF NITROGEN

PTE(s): 220,000 pounds per year

CAS No: 0NY998000 (From Mod 1)

Name: VOC

PTE(s): 190,000 pounds per year

Condition 1-16: Capping Monitoring Condition
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Replaces Condition(s) 25

Item 1-16.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 231-6.1

Item 1-16.2:

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

Item 1-16.3:

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

Item 1-16.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-16.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-16.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001



Process: ICE

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-16.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The five natural gas-fired reciprocating internal combustion engines designated as emission sources ENG01, ENG02, ENG03, ENG04 and ENG05 will not exceed an emission rate of 185 tons of CO per rolling 12 month period. This operational limitation will serve to cap the facility's net CO emission increase below the 100 ton per year applicability threshold of 6NYCRR Part 231-6 New Source Review for the facility.

National Fuel Gas (NFG) was required to assess the applicability of 6 NYCRR Part 231-6 New Source Review because they intend to install two pipeline jumpers beyond the existing Concord Compressor site to allow for transmission of natural gas in both the northward and southward directions, and therefore improve natural gas delivery flexibility for natural gas users in the region. The installation of these two pipeline jumpers is considered a facility modification.

NFG will limit CO emissions based on actual hours of operation of the engines for each rolling 12-month period throughout the calendar year as calculated using the following equation:

$$\text{CO cap} = (\text{Total Facility Hours of Engine Operation [hrs]}) \times (\text{CO emission factor [CO lbs/hr]}) \times (\text{tons}/2000 \text{ lbs})$$

where the CO emission factor (CO lbs/hr) for the facility engines will be based on the results of the reference test method conducted under the provisions of 6NYCRR Part 231-6, as specifically prescribed elsewhere in this permit.

The facility shall submit to the Department an annual emission cap report for the previous calendar year by January 30th of each year. The report must include the monthly CO emissions and total CO emissions for each rolling 12-month period throughout the calendar year.

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 185 tons per year
Reference Test Method: EPA Reference Method 10
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-17: Capping Monitoring Condition
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 26

Item 1-17.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 231-6.1

Item 1-17.2:

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

Item 1-17.3:

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

Item 1-17.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-17.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-17.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Process: ICE

Regulated Contaminant(s):

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

Item 1-17.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The five natural gas-fired reciprocating internal combustion engines designated as emission sources ENG01, ENG02, ENG03, ENG04 and ENG05 will not exceed an emission rate of 110 tons of NO_x per rolling 12 month period. This operational limitation will serve to cap the facility's net NO_x emission increase below the 40 ton per year applicability threshold of 6NYCRR Part 231-6 New Source Review for the facility.

National Fuel Gas (NFG) was required to assess the applicability of 6 NYCRR Part 231-6 New Source Review because they intend to install two pipeline jumpers beyond the existing Concord Compressor site to allow for transmission of natural gas in both the northward and southward directions, and therefore improve natural gas delivery flexibility for natural gas users in the region. The installation of these two pipeline jumpers is considered a facility modification.

NFG will limit NO_x emissions based on actual hours of operation of the engines for each rolling 12-month period throughout the calendar year as calculated using the following equation:

$$\text{NO}_x \text{ cap} = (\text{Total Facility Hours of Engine Operation [hrs]}) \times (\text{NO}_x \text{ emission factor [NO}_x \text{ lbs/hr]}) \times (\text{tons}/2000 \text{ lbs})$$

where the NO_x emission factor (NO_x lbs/hr) for the facility engines will be based on the results of the reference test method conducted under the provisions of 6NYCRR Part 227-2.4(f)(1), as specifically prescribed elsewhere in this permit.

The facility shall submit to the Department an annual emission cap report for the previous calendar year by January 30th of each year. The report must include the monthly NO_x emissions and total NO_x emissions for each rolling 12-month period throughout the calendar year.

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 110 tons per year
Reference Test Method: EPA Reference Method 7E
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-18: Capping Monitoring Condition
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Replaces Condition(s) 24

Item 1-18.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 231-6.1

Item 1-18.2:

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

Item 1-18.3:

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

Item 1-18.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-18.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-18.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001



Process: ICE

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

Item 1-18.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The five natural gas-fired reciprocating internal combustion engines designated as emission sources ENG01, ENG02, ENG03, ENG04 and ENG05 will not exceed an emission rate of 95 tons of VOC per rolling 12 month period. This operational limitation will serve to cap the facility's net VOC emission increase below the 40 ton per year applicability threshold of 6NYCRR Part 231-6 New Source Review for the facility.

National Fuel Gas (NFG) was required to assess the applicability of 6 NYCRR Part 231-6 New Source Review because they intend to install two pipeline jumpers beyond the existing Concord Compressor site to allow for transmission of natural gas in both the northward and southward directions, and therefore improve natural gas delivery flexibility for natural gas users in the region. The installation of these two pipeline jumpers is considered a facility modification.

NFG will limit VOC emissions based on actual hours of operation of the engines for each rolling 12-month period throughout the calendar year as calculated using the following equation:

$$\text{VOC cap} = (\text{Total Facility Hours of Engine Operation [hrs]}) \times (\text{VOC emission factor [VOC lbs/hr]}) \times (\text{tons}/2000 \text{ lbs})$$

where the VOC emission factor (VOC lbs/hr) for the facility engines will be based on the results of the reference test method conducted under the provisions of 6NYCRR Part 231-6, as specifically prescribed elsewhere in this permit.

The facility shall submit to the Department an annual emission cap report for the previous calendar year by January 30th of each year. The report must include the monthly VOC emissions and total VOC emissions for each rolling 12-month period throughout the calendar year.

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Parameter Monitored: VOC
Upper Permit Limit: 95 tons per year
Reference Test Method: EPA Reference Method 25A
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-19: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement: 40CFR 63.6602, Subpart ZZZZ

Item 1-19.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: 00006
Process: EGN	Emission Source: EGN01

Item 1-19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No later than October 19, 2013, compliance with the following maintenance procedures must be assured at the Concord Compressor Station in regards to the Waukesha 378 HP emergency generator:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first,
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first,
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.6630. Continuous compliance will then be demonstrated according to 40 CFR 63.6640. The facility must keep records according to the provisions in 40 CFR 63.6655.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).



Condition 1-20: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement: 40CFR 63.6625, Subpart ZZZZ

Item 1-20.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: 00006
Process: EGN	Emission Source: EGN01

Item 1-20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No later than October 19, 2013, the following monitoring, installation, collection, operation, and maintenance requirements and procedures are required of the Waukesha 378 HP emergency generator at the Concord Compressor Station:

- (1) Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
- (2) Install a non-resettable hour meter if one is not already installed.
- (3) Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
- (4) Utilize an oil analysis program in order to extend the specified oil change requirement in 40 CFR 63.6602, if desired. The oil analysis must be performed at the specified frequency. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded,



the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-21: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 63.6655, Subpart ZZZZ

Item 1-21.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00006

Process: EGN

Emission Source: EGN01

Item 1-21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No later than October 19, 2013, the facility must keep the records described below in regards to the Waukesha 378 HP emergency generator located at the Concord Compressor Station:

(1) A copy of each notification and report that the owner or operator submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.



(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(6) Records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

(7) Maintain records in readily accessible hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report or record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-22: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

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

Item 1-22.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: EGN

Emission Point: 0006A
Emission Source: EGN02

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

Item 1-22.2:

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emergency engine #2, a Caterpillar model G3512A 791 horsepower engine, is subject to 40CFR60 Subpart JJJJ New Source Performance Standards (NSPS) for Stationary Spark Ignition Internal Combustion Engines.

Compliance with the volatile organic compounds emission limit of 1.0 g/bHP-hr or 86 ppmvd @ 15% O₂ must be verified via an initial performance test to be performed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility. Subsequent performance testing must be performed every 8760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.

When required, performance testing will be conducted in accordance with 40CFR60, Appendix A, Method 10. 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.

Parameter Monitored: VOC

Upper Permit Limit: 1.0 grams per brake horsepower-hour

Reference Test Method: EPA Reference Method 25A or 18

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-23: Compliance Certification

Effective between the dates of 03/31/2015 and 04/01/2017

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

Item 1-23.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 0006A

Process: EGN

Emission Source: EGN02



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

Item 1-23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emergency engine #2, a Caterpillar model G3512A 791 horsepower engine, is subject to 40CFR60 Subpart JJJJ New Source Performance Standards (NSPS) for Stationary Spark Ignition Internal Combustion Engines.

Compliance with the oxides of nitrogen emission limit of 2.0 g/bHP-hr or 160 ppmvd @ 15% O₂ must be verified via an initial performance test to be performed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility. Subsequent performance testing must be performed every 8760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.

When required, performance testing will be conducted in accordance with 40CFR60, Appendix A, Method 10. 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.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 2.0 grams per brake horsepower-hour
Reference Test Method: EPA Reference Method 7E, 3A, or 20
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-24: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

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



Item 1-24.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 0006A
Process: EGN Emission Source: EGN02

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 1-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emergency engine #2, a Caterpillar model G3512A 791 horsepower engine, is subject to 40CFR60 Subpart JJJJ New Source Performance Standards (NSPS) for Stationary Spark Ignition Internal Combustion Engines.

Compliance with the carbon monoxide emission limit of 4.0 g/bHP-hr or 540 ppmvd @ 15% O₂ must be verified via an initial performance test to be performed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility. Subsequent performance testing must be performed every 8760 hours of operation or 3 years, whichever comes first, thereafter to demonstrate compliance.

When required, performance testing will be conducted in accordance with 40CFR60, Appendix A, Method 10. 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.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 4.0 grams per brake horsepower-hour
Reference Test Method: EPA Reference Method 10
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Condition 1-25: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 60.4234, NSPS Subpart JJJJ

Item 1-25.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: EGN

Emission Point: 0006A
Emission Source: EGN02

Item 1-25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-26: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

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

JJJJ

Item 1-26.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: EGN

Emission Point: 0006A
Emission Source: EGN02

Item 1-26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you are an owner or operator of a stationary SI internal combustion engine greater than 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



and conduct 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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-27: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 60.4243(d), NSPS Subpart JJJJ

Item 1-27.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 0006A

Process: EGN

Emission Source: EGN02

Item 1-27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (d)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).



(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;



(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-28: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 1-28.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 0006A

Process: EGN

Emission Source: EGN02

Item 1-28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section.

(a) 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.

(b) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine.

(c) You 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.

(d) To determine compliance with the NOX mass per unit output emission limitation, convert the concentration of NOX in the engine exhaust using Equation 1 of this section:

$$ER = (Cd \times 1.912 \times 10^{-3} \times Q \times T) / \text{HP-hr} \quad (\text{Equation 1})$$

Where:

ER = Emission rate of NOX in g/HP-hr.

Cd = Measured NOX concentration in parts per million by volume (ppmv).

1.912×10^{-3} = Conversion constant for ppm NOX to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

(e) To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:

$$ER = (Cd \times 1.164 \times 10^{-3} \times Q \times T) / \text{HP-hr} \quad (\text{Equation 2})$$



Where:

ER = Emission rate of CO in g/HP-hr.

Cd = Measured CO concentration in ppmv.

1.164×10^{-3} = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

(f) For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:

$$ER = (Cd \times 1.833 \times 10^{-3} \times Q \times T) / \text{HP-hr} \quad (\text{Equation 3})$$

Where:

ER = Emission rate of VOC in g/HP-hr.

Cd = VOC concentration measured as propane in ppmv.

1.833×10^{-3} = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

(g) If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor



differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.

$$RF_i = (CM_i) / (CA_i) \quad (\text{Equation 4})$$

Where:

RF_i = Response factor of compound i when measured with EPA Method 25A.

CM_i = Measured concentration of compound i in ppmv as carbon.

CA_i = True concentration of compound i in ppmv as carbon.

$$C_{i\text{-corr}} = (RF_i) \times (C_{i\text{-meas}}) \quad (\text{Equation 5})$$

Where:

$C_{i\text{-corr}}$ = Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.

$C_{i\text{-meas}}$ = Concentration of compound i measured by EPA Method 320, ppmv as carbon.

$$CP_{eq} = (0.6098) \times C_{i\text{-corr}}$$

Where:

CP_{eq} = Concentration of compound i in mg of propane equivalent per DSCM.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-29: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

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

Item 1-29.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 0006A



Process: EGN

Emission Source: EGN02

Item 1-29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of all stationary SI ICE must keep records of the following information:

- (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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-30: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

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

Item 1-30.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 0006A

Process: EGN

Emission Source: EGN02

Item 1-30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For all stationary SI emergency ICE greater than or equal



to 500 HP manufactured on or after July 1, 2010, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter.

The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-31: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

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

Item 1-31.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 0006A

Process: EGN

Emission Source: EGN02

Item 1-31.2:

Compliance Certification 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 information:

- (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.

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-32: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

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

Item 1-32.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 0006A

Process: EGN

Emission Source: EGN02

Item 1-32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-33: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 60.4246, NSPS Subpart JJJJ

Item 1-33.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 0006A

Process: EGN

Emission Source: EGN02

Item 1-33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-34: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 63.6645(f), Subpart ZZZZ

Item 1-34.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: 0006A
Process: EGN	Emission Source: EGN02

Item 1-34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility is required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), the notification should include the information in §63.9(b)(2)(i) through (v), and a statement that the stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-35: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:6 NYCRR 227-2.4 (e) (1)

Item 1-35.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 9143800044



Emission Unit: U-00002
Process: ICT

Emission Point: 00007
Emission Source: TUR01

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

Item 1-35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance with the NO_x RACT emission limit of 50 ppmvd (corrected to 15% O₂) will be verified once every five years, based on the date of the previous test, via performance testing in accordance with 40CFR60, Appendix A, Method 7, 7E, 20 or 320. 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.

Turbine #1 (emission source TUR01) is also subject to the requirements, as detailed elsewhere in this permit, of 40CFR60 Subpart KKKK which are more stringent than the requirements of 6NYCRR Subpart 227-2 and are detailed elsewhere in this permit.

Upper Permit Limit: 50 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: EPA Reference Method 7, 7E, 20 or 320

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-36: Compliance Certification

Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement: 40CFR 60.4320, NSPS Subpart KKKK

Item 1-36.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: ICT

Emission Point: 00007
Emission Source: TUR01

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Item 1-36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

National Fuel Gas Supply Corp. will monitor and record the number of hours that the turbine operated at temperatures below 0o F during each calendar month. For those hours, National Fuel Gas Supply Corp. will utilize an emissions factor of 150 ppm NOx in order to calculate the NOx emissions from the turbine. National Fuel Gas Supply Corp. will also maintain a copy of the manufacturer's Product Information Letter (PIL) 167 – Revision 4 dated June 6, 2012, which documents that turbine emissions at subzero temperatures meet the 150 ppm NOx emissions limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-37: Compliance Certification

Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 60.4320, NSPS Subpart KKKK

Item 1-37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00007

Process: ICT

Emission Source: TUR01

Item 1-37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

National Fuel Gas Supply Corp. must assure that the facility's combustion turbine does not exceed the appropriate NOx emission limit per Table 1 of 40 CFR 60 Subpart KKKK. The limit is 25 ppm at 15% oxygen for new turbines firing natural gas with a heat input between 50 and 850 MMBtu/hr.

Compliance with this emission standard shall be determined according to the annual performance tests as specified in §60.4400.

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-38: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 60.4330, NSPS Subpart KKKK

Item 1-38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00007

Process: ICT

Emission Source: TUR01

Item 1-38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

National Fuel Gas Supply Corporation (NFGSC) must not burn in the stationary combustion turbine any fuel which contain total potential sulfur emissions in excess 0.060 lb SO₂/MMBtu heat input.

As allowed per 40 CFR 60.4365, NFGSC 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 0.060 lb SO₂/MMBtu input heat. One of the following sources of information must be used to make the required demonstration:

(a) The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for natural gas use is 20 grains of sulfur or less per 100 standard cubic feet, has potential sulfur emissions of less than 0.060 lb SO₂/MMBtu heat input; or

(b) Representative fuel sampling data which show that the sulfur content of the fuel does not exceed 0.060 lb SO₂/MMBtu heat input. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

New York State Department of Environmental Conservation

Permit ID: 9-1438-00044/00014

Facility DEC ID: 9143800044



DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-39: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 60.4333, NSPS Subpart KKKK

Item 1-39.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00007
Process: ICT Emission Source: TUR01

Item 1-39.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

National Fuel Gas Supply Corp. must operate and maintain
the stationary combustion turbine, air pollution control
equipment, and monitoring equipment in a manner consistent
with good air pollution control practices for minimizing
emissions at all times including during startup, shutdown,
and malfunction.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2015.
Subsequent reports are due every 6 calendar month(s).

Condition 1-40: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

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

KKKK

Item 1-40.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00007
Process: ICT Emission Source: TUR01

Item 1-40.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

National Fuel Gas Supply Corporation must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test completed in accordance with §60.4340(a).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2015.

Subsequent reports are due every 6 calendar month(s).

Condition 1-41: Compliance Certification
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable Federal Requirement:40CFR 60.4400, NSPS Subpart KKKK

Item 1-41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00007

Process: ICT

Emission Source: TUR01

Regulated Contaminant(s):

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

Item 1-41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

National Fuel Gas Supply Corp. must conduct an initial NO_x performance test on the combustion turbine (emission source TUR01) within 60 days after achieving the maximum production rate at which the turbine will be operated, but not later than 180 days after initial startup.

The initial and subsequent NO_x performance tests, which shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test), will be conducted in accordance with 40 CFR 60.4400.

The performance test must be done at any load condition within plus or minus 25 percent of 100 percent of peak load. Performance testing at the highest achievable load point is acceptable if at least 75 percent of peak load cannot be achieved in practice. Three separate test runs (minimum 20 minutes each) are required for each performance test.

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If the NO_x emission result from the performance test is less than or equal to 75 percent of the NO_x emission limit for the turbine, frequency of subsequent tests may be reduced to once every 2 years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceeds 75 percent of the NO_x emission limit for the turbine, performance testing shall resume annually.

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.

Parameter Monitored: OXIDES OF NITROGEN

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

Reference Test Method: EPA Reference Method 7, 7E, 20, or 320

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 37: Contaminant List
Effective between the dates of 04/02/2012 and 04/01/2017

Applicable State Requirement:ECL 19-0301

Item 37.1:

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: 0NY210-00-0
Name: OXIDES OF NITROGEN

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

Condition 1-42: Malfunctions and start-up/shutdown activities
Effective between the dates of 03/31/2015 and 04/01/2017

Applicable State Requirement:6 NYCRR 201-1.4

Item 1-42.1:

(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.

