



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

Facility Identification Data

Name: CONCORD COMPRESSOR STATION

Address: 5510 GENESEE RD

SPRINGVILLE, NY 14141

Owner/Firm

Name: NATIONAL FUEL GAS SUPPLY CORPORATION

Address: 6363 MAIN ST

BUFFALO, NY 14221, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

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Division of Air Resources:

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Address: NATIONAL FUEL GAS SUPPLY CORPORATION

6363 MAIN ST

BUFFALO, NY 14221

Phone:7168576902

Permit Description

Introduction

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

Application for renewal of Air Title V Facility

Attainment Status



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

CONCORD COMPRESSOR STATION is located in the town of CONCORD in the county of ERIE. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	MARGINAL NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

This facility is a natural gas transmission facility consisting of five (5) permitted natural gas compressor engines (emission unit U-00001) and one (1) natural gas-fired compressor turbine (emission unit U-00002) used to compress natural gas in NFGSC's transmission pipeline. The facility also operates the following permit-exempt sources: one (1) emergency generator; one (1) boiler; one (1) water heater; two (2) parts washers; and nine (9) storage tanks.

Permit Structure and Description of Operations

The Title V permit for CONCORD COMPRESSOR STATION

is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

Emission unit U00002 - This emission unit consists of one (1) simple-cycle natural gas-fueled combustion



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

turbine. The NOx concentration in turbine emissions will not exceed 25 ppmv (dry) at 15% oxygen. The turbine is approximately 7753 horsepower at site conditions.

Emission unit U00002 is associated with the following emission points (EP):

00007

Process: ICT is located at Building 3 - The operation of one (1) natural gas-fired Solar T-60 turbine with SoLoNox technology.

Emission unit U00001 - This emission unit consists of five (5) 2250 HP two stroke lean burn natural gas-fired stationary reciprocating internal combustion engines; and one (1) 791 HP four stroke rich burn natural gas-fired stationary emergency generator, identified as emission source EGN02, and which is equipped with a Non-Selective Catalyst Reduction (NSCR) control device (NSCR1). The emergency generator is exempt from permitting part 6NYCRR Part 201 but is subject to New Source Performance Standard 40CFR60 Subpart JJJJ

Emission unit U00001 is associated with the following emission points (EP):

00001, 00002, 00003, 00004, 00005, 0006A

Process: EGN is located at Building 2 - 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.

Process: ICE is located at Compressor bldg, Building 1 - The operation of five (5) natural gas-fired stationary reciprocating internal combustion compressor engines.

Title V/Major Source Status

CONCORD COMPRESSOR STATION is subject to Title V requirements. This determination is based on the following information:

The Concord Compressor Station is a major facility subject to permitting under Title V since it has the potential-to-emit the following air contaminants at levels greater than the major source emission thresholds: oxides of nitrogen, volatile organic compounds, carbon monoxide, formaldehyde, and aggregated hazardous air pollutants.

Program Applicability

The following chart summarizes the applicability of CONCORD COMPRESSOR STATION with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	YES
NESHAP (40 CFR Part 61)	NO



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

NESHAP (MACT - 40 CFR Part 63)	YES
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212-3, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description

4922

NATURAL GAS TRANSMISSION

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

2-01-002-02

INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION
ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - NATURAL GAS
Reciprocating

2-02-002-02

INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION ENGINE - NATURAL GAS
Reciprocating

2-03-002-01

INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - NATURAL GAS
Reciprocating

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount of material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
000079-34-5	1,1,2,2-TETRACHLOROETHANE	44			
000107-06-2	1,2-DICHLOROETHANE	28			
000106-99-0	1,3-BUTADIENE	544			
000542-75-6	1-PROPENE	29			
000091-57-6	1,3-DICHLORO-2-METHYLNAPHTHALENE	14			
000075-07-0	ACETALDEHYDE	5158			
000107-02-8	ACROLEIN	4754			
000120-12-7	ANTHRACENE	514			
000071-43-2	BENZENE	1294			
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS	206540500			
000630-08-0	CARBON MONOXIDE	349000			
000056-23-5	CARBON TETRACHLORIDE	40			
000108-90-7	CHLOROBENZENE	29			
000067-66-3	CHLOROFORM	31			
000079-00-5	ETHANE, 1,1,2-TRICHLORO	35			
000075-34-3	ETHANE, 1,1-DICHLORO	26			
000106-93-4	ETHANE, 1,2-DIBROMO	49			
000100-41-4	ETHYLBENZENE	92			
000050-00-0	FORMALDEHYDE	36904			
000110-54-3	HEXANE	306			
000067-56-1	METHYL ALCOHOL	1647			
000074-87-3	METHYL CHLORIDE	10			
000091-20-3	NAPHTHALENE	65			
0NY210-00-0	OXIDES OF NITROGEN	213100			
0NY075-00-0	PARTICULATES	42976			
0NY075-00-5	PM-10	42976			
130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS	90			



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

000078-87-5	PROPANE, 1, 2- DICHLORO	30
000075-56-9	PROPANE, 1, 2- EPOXY-	18
000100-42-5	STYRENE	36
007446-09-5	SULFUR DIOXIDE	2467
000108-88-3	TOLUENE	718
0NY100-00-0	TOTAL HAP	52745
000075-01-4	VINYL CHLORIDE	16
0NY998-00-0	VOC	59057
001330-20-7	XYLENE, M, O & P MIXT.	218

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: 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 B: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 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 C: Certification by a Responsible Official - 6 NYCRR Part 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 D: Requirement to Comply With All Conditions - 6 NYCRR Part 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 E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 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.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

Item F: 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 G: 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 H: Severability - 6 NYCRR Part 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 I: Permit Shield - 6 NYCRR Part 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 J: Reopening for Cause - 6 NYCRR Part 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



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

Department pursuant to the provisions of Part 2 01-6.7 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 K: Permit Exclusion - ECL 19-0305

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

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

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_02

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

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

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
FACILITY	ECL 19-0301	56	Powers and Duties of the Department with respect to air pollution control



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4233(e)	36, 37, 38	Emission limits for IC Engines > 100 HP
U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4234	39	Time period facility is subject to Subpart JJJJ
U- 00001/0006A/EGN/EGN02	40CFR 60- JJJJ.4243(b)(2)	40	SI ICE - Maintenance Plan and testing
U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4243(d)	41	Stationary Spark Ignition IC Engines - Emergency Engine Operation
U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4244	42	Test methods and procedures
U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4245(a)	43	Notification, reporting and recordkeeping requirements
U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4245(b)	44	Spark Ignition Stationary Combustion Engines - Recordkeeping
U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4245(c)	45	Initial notification for engines > 500 HP
U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4245(d)	46	Performance test requirements
U- 00001/0006A/EGN/EGN02	40CFR 60-JJJJ.4246	47	Applicability of Subpart A provisions
U- 00002/00007/ICT/TUR01	40CFR 60-KKKK.4320	50, 51	Stationary Combustion Turbine NSPS - NOx emission limits
U- 00002/00007/ICT/TUR01	40CFR 60-KKKK.4330	52	Stationary Combustion Turbine NSPS - SO2 emission limits
U- 00002/00007/ICT/TUR01	40CFR 60-KKKK.4333	53	Stationary Combustion Turbine NSPS - general compliance requirements
U- 00002/00007/ICT/TUR01	40CFR 60-KKKK.4375(b)	54	Stationary Combustion Turbine NSPS - Reporting
U- 00002/00007/ICT/TUR01	40CFR 60-KKKK.4400	55	Stationary Combustion Turbine NSPS - NOx performance test requirements
FACILITY	40CFR 63-ZZZZ	27	Reciprocating Internal Combustion Engine (RICE) NESHAP
U- 00001/0006A/EGN/EGN02	40CFR 63-ZZZZ.6645(f)	48	Reciprocating Internal Combustion Engine (RICE) NESHAP - Notification of compliance status
FACILITY	40CFR 63-ZZZZ.6665	28	Reciprocating Internal Combustion Engine (RICE) NESHAP - General provisions
FACILITY	40CFR 68	19	Chemical accident prevention provisions
FACILITY	40CFR 82-F	20	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	57	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2(a)	13	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3(a)	14	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	21, 29, 30	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4(a)(4)	15	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4(a)(7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4(a)(8)	16	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4(c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4(c)(2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4(c)(3)(ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4(d)(4)	22	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4(e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4(f)(6)	17	Off Permit Changes
FACILITY	6NYCRR 201-7	23, 31	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1.1	18	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	24	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 227-1.3(a)	25	Smoke Emission Limitations.
U-00002/00007/ICT/TUR01	6NYCRR 227-2.4(e)(1)	49	Simple cycle combustion turbines.
U-00001/-/ICE	6NYCRR 227-2.4(f)(1)	35	Emission limit for natural gas fired engines.
FACILITY	6NYCRR 231-6.1	26	Applicability



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to 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.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units,



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.4 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

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

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 215.2

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

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, CONCORD COMPRESSOR STATION has been determined to be subject to the following regulations:

40 CFR 60.4233 (e)

This regulation sets the emission limit for internal combustion engines greater than 100 horsepower.

40 CFR 60.4234

This regulation requires the owners and operators of stationary spark ignited internal combustion engine (SI ICE) to operate and maintain stationary SI ICE that achieve the emission standards as required in §60.4233 over the entire life of the engine.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

40 CFR 60.4243 (b) (2) (ii)

This regulation requires the owner or operator of a stationary SI internal combustion engine greater than 500 HP to 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.

40 CFR 60.4243 (d)

These conditions state the hour limits for emergency engines operating in nonemergency engine situations

40 CFR 60.4244

This regulation specifies the test methods and procedures to be used by owners or operators of spark ignited internal combustion engines.

40 CFR 60.4245 (a)

This regulation sets forth the notification, reporting and recordkeeping requirements for 40 CFR 60 Subpart JJJJ, for owners and operators of stationary spark ignited internal combustion engines.

40 CFR 60.4245 (b)

This regulation sets forth the record keeping requirements for engines larger than 500 horsepower.

40 CFR 60.4245 (c)

This regulation sets forth the notification requirements for engines larger than 500 horsepower.

40 CFR 60.4245 (d)

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.

40 CFR 60.4246

This regulation specifies that 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.

40 CFR 60.4320



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

This regulation specifies that the emission limit for oxides of nitrogen from a stationary combustion turbine is limit is 25 ppm at 15% oxygen.

40 CFR 60.4330

This regulation specifies that the emission limit for sulfur dioxide from a stationary combustion turbine is 0.060 lb SO₂/MMBtu heat input.

40 CFR 60.4333

This regulation requires the owner or operator of a stationary combustion turbine maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.

40 CFR 60.4375 (b)

Condition specifies reporting requirements for initial and annul NO_x testing.

40 CFR 60.4400

Condition specifies initial and annul NO_x testing requirements.

40 CFR 63.6645 (f)

This regulation requires the facility to submit its initial notification in the format specified in 40 CFR 63 Subpart A.

40 CFR 63.6665

This regulation specifies which provisions of the General provisions (Subpart A of 40 CFR 63) apply to the owner or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR Part 63, Subpart ZZZZ

This regulation defines performance standards for stationary reciprocating internal combustion engines.

6 NYCRR 211.1

This regulation requires that 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.



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR 227-2.4 (e) (1)

Presumptive NOx RACT emission limits for simple cycle combustion turbines.

6 NYCRR 227-2.4 (f) (1)

Presumptive NOx RACT emission limit for natural gas fired stationary internal combustion engines.

6 NYCRR 231-6.1

This section outlines the applicability of this Subpart.

6 NYCRR Subpart 201-7

This regulation sets forth an emission cap that cannot be exceeded by the facility. In this permit that cap is 100 tons per year of Carbon Monoxide (CO)

Compliance Certification

Summary of monitoring activities at CONCORD COMPRESSOR STATION:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
U-00001/0006A/EGN/EGN02	36	intermittent emission testing
U-00001/0006A/EGN/EGN02	37	intermittent emission testing
U-00001/0006A/EGN/EGN02	38	intermittent emission testing
U-00001/0006A/EGN/EGN02	39	record keeping/maintenance procedures
U-00001/0006A/EGN/EGN02	40	record keeping/maintenance procedures
U-00001/0006A/EGN/EGN02	41	record keeping/maintenance procedures
U-00001/0006A/EGN/EGN02	42	record keeping/maintenance procedures
U-00001/0006A/EGN/EGN02	43	record keeping/maintenance procedures
U-00001/0006A/EGN/EGN02	44	record keeping/maintenance procedures
U-00001/0006A/EGN/EGN02	45	record keeping/maintenance procedures
U-00001/0006A/EGN/EGN02	46	record keeping/maintenance procedures
U-00001/0006A/EGN/EGN02	47	record keeping/maintenance procedures
U-00002/00007/ICT/TUR01	50	record keeping/maintenance procedures



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

U-00002/00007/ICT/TUR01	51	record keeping/maintenance procedures
U-00002/00007/ICT/TUR01	52	record keeping/maintenance procedures
U-00002/00007/ICT/TUR01	53	record keeping/maintenance procedures
U-00002/00007/ICT/TUR01	54	record keeping/maintenance procedures
U-00002/00007/ICT/TUR01	55	intermittent emission testing
U-00001/0006A/EGN/EGN02	48	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
U-00001/-/ICE	32	monitoring of process or control device parameters as surrogate
U-00001/-/ICE	33	monitoring of process or control device parameters as surrogate
U-00001/-/ICE	34	monitoring of process or control device parameters as surrogate
FACILITY	7	record keeping/maintenance procedures
FACILITY	25	monitoring of process or control device parameters as surrogate
U-00002/00007/ICT/TUR01	49	intermittent emission testing
U-00001/-/ICE	35	intermittent emission testing
FACILITY	26	record keeping/maintenance procedures

Basis for Monitoring

Basis for Monitoring

Most of the monitoring requirements contained in this permit are based on specific monitoring methods and observations as prescribed in the applicable rules. Facility specific monitoring conditions were written to assure that reliable information is obtained representing the facility's compliance status.

Conditions 5-7 are mandatory conditions that occur in every Title V permit regarding record keeping and reporting.

Conditions 31-33 detail the three emission caps for oxides of nitrogen, volatile organic compounds, and carbon monoxide. These conditions were necessary to document how reference method testing would provide emission factors for calculating actual emission of these contaminants, and to detail the required methods of record keeping and reporting.

Condition 28 details the opacity limits imposed on the stationary internal combustion engines by 6NYCRR Part 227-1.3(a).

Condition 32 & 47 detail the required reference method testing on the engines and turbine for volatile organic compounds and carbon monoxide. Results from testing will be used to calculate actual emissions of these two contaminants to assure compliance with the above referenced emission caps.

Condition 47 details the specific operational and maintenance requirements for the emergency generators which is subject to 40CFR63 Subpart ZZZZ.

Conditions 35-46 and conditions 48-54 detail the specific operational and maintenance requirements for the new emergency generator and the turbine which is subject to 40CFR63 Subpart JJJJ.



**New York State Department of Environmental Conservation
Permit Review Report**

Permit ID: 9-1438-00044/00014

Renewal Number: 3

05/07/2018

Conditions 24-25 details the required reference method testing on the engines for oxides of nitrogen, volatile organic compounds, and carbon monoxide. Results from testing will be used to calculate actual emissions of this contaminant to assure compliance with the above referenced emission caps, and compliance with the emission limit set in 6NYCRR Part 227-2.4(f)(1) of 1.5 g/bhp-hr.