



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 1-2820-00553/00025
Effective Date: 04/26/2016 Expiration Date: 04/25/2021

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 1-2820-00553/00033
Effective Date: 04/26/2016 Expiration Date: 04/25/2021

Permit Issued To: NATIONAL GRID GENERATION LLC
175 E OLD COUNTRY RD
HICKSVILLE, NY 11801

Contact: CHRISTOPHER CORRADO
NATIONAL GRID GENERATION LLC
175 E OLD COUNTRY RD
HICKSVILLE, NY 11801
(516) 545-2556

Facility: EF BARRETT POWER STATION
1 MCCARTHY RD
ISLAND PARK, NY 11558

Description:
This is a renewal of the Title IV and Title V permits for this facility consisting of two (2) 185 MWe turbine/generator boiler sets operating on natural gas, #1, #2 or #6 fuel oils. In addition, an industrial steam boiler is maintained on site for building heat. Eleven combustion turbine-generators are maintained on site to meet system load demands. The combustion turbines operate on either natural gas, #1, or #2 fuel oils.

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: SUSAN ACKERMAN
NYSDEC - REGION 1 SUNY @ STONY BROOK
50 CIRCLE RD
STONY BROOK, NY 11790-3409

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 1 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 renewal application at least 180 days before expiration of permits for both Title V and State Facility Permits.

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:



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

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

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

Condition 5: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409
(631) 444-0365

New York State Department of Environmental Conservation

Permit ID: 1-2820-00553/00025

Facility DEC ID: 1282000553



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: NATIONAL GRID GENERATION LLC
175 E OLD COUNTRY RD
HICKSVILLE, NY 11801

Facility: EF BARRETT POWER STATION
1 MCCARTHY RD
ISLAND PARK, NY 11558

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Permit Effective Date: 04/26/2016

Permit Expiration Date: 04/25/2021



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
 - 2 6 NYCRR 201-6.4 (a) (7): Fees
 - 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
 - 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
 - 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
 - 6 6 NYCRR 201-6.4 (e): Compliance Certification
 - 7 6 NYCRR 202-2.1: Compliance Certification
 - 8 6 NYCRR 202-2.5: Recordkeeping requirements
 - 9 6 NYCRR 215.2: Open Fires - Prohibitions
 - 10 6 NYCRR 200.7: Maintenance of Equipment
 - 11 6 NYCRR 201-1.7: Recycling and Salvage
 - 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
 - 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
 - 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
 - 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
 - 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
 - 17 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
 - 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
 - 23 6 NYCRR 211.1: Air pollution prohibited
 - 24 6 NYCRR 225-1.2 (d): Compliance Certification
 - 25 6 NYCRR 225-1.2 (g): Compliance Certification
 - 26 6 NYCRR 225-1.2 (h): Compliance Certification
 - 27 6 NYCRR 225-2.3: Compliance Certification
 - 28 6 NYCRR 227-1.3 (a): Compliance Certification
 - 29 6 NYCRR 227-2.5 (b): Compliance Certification
 - 30 6 NYCRR 231-10.2: Past Reduction By Over Control / Source Reduction
 - 31 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting
 - 32 40CFR 97.406, Subpart AAAAA: Compliance Certification
 - 33 40CFR 97.506, Subpart BBBBB: Compliance Certification
 - 34 40CFR 97.606, Subpart CCCCC: Compliance Certification
- #### 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
- #### EU=U-00001
- 37 40CFR 63.9983(c), Subpart UUUUU: Compliance Certification
 - 38 6 NYCRR 227.2 (b) (1): Compliance Certification



EU=U-00002

39 6 NYCRR 249.3 (f): Compliance Certification

EU=U-00002,EP=00002

- 40 6 NYCRR 249.3 (a): Compliance Certification
- 41 6 NYCRR 249.3 (a): Compliance Certification
- 42 6 NYCRR 249.3 (a): Compliance Certification
- 43 6 NYCRR 227-1.3 (a): Compliance Certification
- 44 6 NYCRR 227-1.3 (a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 45 ECL 19-0301: Contaminant List
- 46 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 47 6 NYCRR 211.2: Visible Emissions Limited
- 48 6 NYCRR 242-1.4 (b): Compliance Demonstration
- 49 6 NYCRR 242-1.5: CO2 Budget Trading Program - Excess emission requirements
- 50 6 NYCRR Subpart 242-4: Compliance Demonstration
- 51 6 NYCRR 242-8.5: Compliance Demonstration



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 04/26/2016 and 04/25/2021**

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

**Condition 2: Fees
Effective between the dates of 04/26/2016 and 04/25/2021**

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

Item 2.1:

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 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/26/2016 and 04/25/2021**

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



Item 3.1:

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 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/26/2016 and 04/25/2021**

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

Item 4.1:

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 5: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021**

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

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 60 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 60 days after the reporting period.
The initial report is due 8/29/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

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

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:

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 60 days after the anniversary date of four consecutive calendar quarters.

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The first report is due 60 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 1 Headquarters
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409

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 60 days after the reporting period.
The initial report is due 3/1/2017.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.



Item 7.2:

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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements
Effective between the dates of 04/26/2016 and 04/25/2021**

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(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 9: Open Fires - Prohibitions
Effective between the dates of 04/26/2016 and 04/25/2021**

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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 9.2

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 10: Maintenance of Equipment
Effective between the dates of 04/26/2016 and 04/25/2021**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 10.1:

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 11: Recycling and Salvage
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 04/26/2016 and 04/25/2021

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

Item 13.1:

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 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 04/26/2016 and 04/25/2021

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

Item 14.1:

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 15: Requirement to Provide Information
Effective between the dates of 04/26/2016 and 04/25/2021

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



Item 15.1:

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 16: Right to Inspect

Effective between the dates of 04/26/2016 and 04/25/2021

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

Item 16.1:

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 17: Off Permit Changes

Effective between the dates of 04/26/2016 and 04/25/2021

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

Item 17.1:

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.



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 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-00001

Emission Unit Description:

This unit is a 185 mwe turbine/generator boiler set firing #1, #2 and #6 fuel oils and pipeline natural gas. In addition, this boiler may co-fire waste fuel for energy recovery and citrosolv for incineration. Exhaust is through emission point 00001.

Building(s): BoilerBld1

Item 21.2:

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

Emission Unit: U-00002

Emission Unit Description:

This unit is a 185 mwe turbine/generator boiler set firing #1, #2 and #6 fuel oils and pipeline natural gas. In addition, this boiler may co-fire waste oil for energy recovery and citrosolv for incineration. Exhaust is through emission point 00002.

Building(s): BoilerBld2

Item 21.3:

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

Emission Unit: U-00003

Emission Unit Description:

This unit is an industrial steam boiler used to supply auxiliary steam loads required by all onsite facilities.

Building(s): HouseBoile

Item 21.4:

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



Emission Unit: U-CTGEN

Emission Unit Description:

A group of Simple Cycle General Electric combustion turbines. Two of the sources are "black-start" combustion turbines which can be brought online with the assistance of associated diesel engines. The units are located on the Daly Boulevard side of the site.

Building(s): CTGE

Item 21.5:

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

Emission Unit: U-CTPWN

Emission Unit Description:

A group of Simple Cycle Pratt and Whitney combustion turbines. The units are located on the Daly Boulevard side of the site.

Building(s): CTPW

Condition 22: Progress Reports Due Semiannually

Effective between the dates of 04/26/2016 and 04/25/2021

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

Item 22.1:

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 23: Air pollution prohibited

Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR 211.1

Item 23.1:

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 24: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR 225-1.2 (d)

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the firing of residual oil with a sulfur content of 0.37% sulfur.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.37 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 25: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR 225-1.2 (g)

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:



Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 26: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement: 6 NYCRR 225-1.2 (h)

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

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All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement: 6 NYCRR 225-2.3

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Combustion of waste fuel is in accordance with procedures and practices previously established with the NYSDEC . Waste fuel is tested for compliance with 6NYCRR Part 225-2.3 and co-fired with primary boiler fuel at a maximum rate equivalent to 5% of the total heat input into the boiler. Lead, PCB's, and total halogens are tested on every delivery from off site. (only Nationalgrid waste fuel is accepted). Monthly samples are collected and analyzed from each waste fuel tank on site. Analysis for sulfur and heat content have been waived by the NYSDEC since the co-firing rate restrictions insures that the "as burned" waste fuel in the boiler is always within the limitations of Part 225-2.3. Lead, PCB's and halogens limitations are complied with on an "as delivered" and/or "as generated" basis.

Reference Test Method: ASTM

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2016.

Subsequent reports are due every 3 calendar month(s).

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Permit ID: 1-2820-00553/00025

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Condition 28: Compliance Certification

Effective between the dates of 04/26/2016 and 04/25/2021

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

Item 28.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001

Emission Unit: U-00002

Emission Point: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In accordance with Consent Order No. D1-9000-97-08 Appendix A, quarterly opacity incident reports will be submitted to the NYSDEC 60 days following the end of a calendar quarter. Opacity is measured on a continuous opacity monitor as a compliance indicator. Operation and reporting requirements apply when fuel oil is burned.

Manufacturer Name/Model Number: Continuous Opacity Monitor

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 203

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2016.

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

Condition 29: Compliance Certification

Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR 227-2.5 (b)

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 29.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance with the requirements of 6NYCRR Part 227-2 is assured on a system wide basis using NOx RACT Compliance Plan approved by the NYS Department of Environmental Conservation; and incorporated by reference.

Reference Test Method: 40CFR60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2016.

Subsequent reports are due every 3 calendar month(s).

**Condition 30: Past Reduction By Over Control / Source Reduction
Effective between the dates of 04/26/2016 and 04/25/2021**

Applicable Federal Requirement:6 NYCRR 231-10.2

Item 30.1:

This Condition applies to Emission Unit: U-00010

Item 30.2:

Emission Unit ID Number(s): U-00010

Former Emission Points 00010 (GE CT 7).

Former Emission Source ES010 (GE CT 7).

The facility has established 12.1 tpy of Oxides of Nitrogen (NOx) (contaminant) and 0.072 tpy of Volatile Organic Compound (VOC) (contaminant) emission reduction credits by physical removal of emission sources (reduction mechanism) at the above referenced emission unit(s).

National Grid Generation LLC ("National Grid Generation") permanently retired Combustion Turbine Unit No. 7 at the E.F. Barrett Power Station from service effective at 11:59 p.m. on October 13, 2011.

Barrett #7 is an 18 MW, gas-fired combustion turbine unit located at National Grid Generation's E.F. Barrett Power Station in Island Park, New York. Barrett #7 has not operated since it was damaged on December 19, 2009. In consultation with the Long Island Power Authority, National Grid Generation concluded that it was uneconomic to repair the unit and, therefore, elected to retire Barrett #7 from service.

The facility submitted an application, dated December 1, 2015 for Emission Reduction Credits (ERCs) for the Nitrogen Oxides (NOx), Volatile Organic Compounds (VOCs) and Particulate Matter (PM 2.5). At the Department is not issuing ERCs for PM 2.5.

The Department (NYSDEC) reviewed the ERC application and agreed to approve the ERCs as follows:

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ERCs approved (tons):
NOx: 12.1
VOC: 0.072

In 2014, the EPA designated the NYCMA to be in compliance for PM 2.5. As PM 2.5 is in compliance, ERCs for PM 2.5 cannot be used for offsets and are not being recorded into the Registry.

Condition 31: Facility Subject to Title IV Acid Rain Regulations and Permitting
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:40 CFR Part 72

Item 31.1: This facility is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77 and 78. The Acid Rain Permit is an attachment to this permit.

Condition 32: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.413 through 97.418 of Subpart AAAAA. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOX Annual source (facility) and each TR NOX Annual Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.430 through 97.435 of Subpart AAAAA and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems;



requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NO_x Annual allowances and to determine compliance with the TR NO_x Annual emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO_x Annual facility and each TR NO_x Annual Unit at the facility shall hold, in the facilities compliance account, TR NO_x Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 33: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:40CFR 97.506, Subpart BBBBB

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.513 through 97.518 of Subpart BBBBB. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the



representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR NOx Ozone Season source (facility) and each TR NOx Ozone Season Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.530 through 97.535 of Subpart BBBBB and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR NOx Ozone Season allowances and to determine compliance with the TR NOx Ozone Season emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NOx Ozone Season facility and each TR NOx Ozone Season Unit at the facility shall hold, in the facilities compliance account, TR NOx Ozone Season allowances available for deduction for such control period under §97.524(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 34: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 34.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) The facility shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with §§97.613 through 97.618 of Subpart CCCCC. The facility shall notify the Department of this representative (and alternative) with contact information upon issuance of this permit and when any changes are made to the representative (or alternative) or their contact information.

(2) The facility, and the designated representative, of each TR SO₂ Group 1 source (facility) and each TR SO₂ Group 1 Unit at the facility shall comply with the monitoring, reporting, and recordkeeping requirements of §§97.630 through 97.635 of Subpart CCCCC and subpart H of part 75 of this chapter. This includes but is not limited to: requirements for installation, certification, and data accounting for all required monitoring systems; requirements for recording, reporting, and quality-assurance of the data; and certification of compliance of such data. Data from continuous emission monitoring equipment are submitted quarterly (calendar year). These reports are generally due 30 days after the end of a calendar quarter. All other monitoring data are submitted to the DEC semiannually (calendar year). These reports are due on January 30th and July 30th of each year.

(3) The emissions data determined shall be used to calculate allocations of TR SO₂ Group 1 allowances and to determine compliance with the TR SO₂ Group 1 emissions limitation and assurance provisions. As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR SO₂ Group 1 facility and each TR SO₂ Group 1 Unit at the facility shall hold, in the facilities' compliance account, TR SO₂ Group 1 allowances available for deduction for such control period under §97.624(a) in an amount not less than the tons of total SO₂ emissions for such control period from all TR SO₂ Group 1 Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**** Emission Unit Level ****

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Condition 35: Emission Point Definition By Emission Unit
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 35.1:

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

Emission Unit: U-00001

Emission Point: 00001
Height (ft.): 250 Diameter (in.): 192
NYTMN (km.): 4496.994 NYTME (km.): 614.398 Building: BoilerBld1

Item 35.2:

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

Emission Unit: U-00002

Emission Point: 00002
Height (ft.): 350 Diameter (in.): 123
NYTMN (km.): 4496.99 NYTME (km.): 614.448 Building: BoilerBld2

Item 35.3:

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

Emission Unit: U-00003

Emission Point: 00003
Height (ft.): 25 Diameter (in.): 32
NYTMN (km.): 4497.11 NYTME (km.): 614.355 Building: HouseBoile

Item 35.4:

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

Emission Unit: U-CTGEN

Emission Point: 00004
Height (ft.): 52 Diameter (in.): 119
NYTMN (km.): 4497.056 NYTME (km.): 614.336 Building: CTGE

Emission Point: 00005
Height (ft.): 52 Diameter (in.): 119
NYTMN (km.): 4497.058 NYTME (km.): 614.349 Building: CTGE

Emission Point: 00006
Height (ft.): 52 Diameter (in.): 119
NYTMN (km.): 4497.05 NYTME (km.): 614.337 Building: CTGE

Emission Point: 00007
Height (ft.): 52 Diameter (in.): 119
NYTMN (km.): 4497.051 NYTME (km.): 614.351 Building: CTGE



Emission Point: 00008
Height (ft.): 52 Diameter (in.): 119
NYTMN (km.): 4497.046 NYTME (km.): 614.337 Building: CTGE

Emission Point: 00009
Height (ft.): 52 Diameter (in.): 119
NYTMN (km.): 4497.047 NYTME (km.): 614.344 Building: CTGE

Emission Point: 00011
Height (ft.): 52 Diameter (in.): 119
NYTMN (km.): 4497.039 NYTME (km.): 614.338 Building: CTGE

Emission Point: 000S4
Height (ft.): 40 Diameter (in.): 3
NYTMN (km.): 4497.019 NYTME (km.): 614.34 Building: CTGE

Emission Point: 000S8
Height (ft.): 40 Diameter (in.): 3
NYTMN (km.): 4497.021 NYTME (km.): 614.35 Building: CTGE

Item 35.5:

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

Emission Unit: U-CTPWN

Emission Point: 00012
Height (ft.): 36 Diameter (in.): 91
NYTMN (km.): 4497.039 NYTME (km.): 614.346 Building: CTPW

Emission Point: 00013
Height (ft.): 36 Diameter (in.): 91
NYTMN (km.): 4497.038 NYTME (km.): 614.354 Building: CTPW

Emission Point: 00014
Height (ft.): 36 Diameter (in.): 91
NYTMN (km.): 4497.031 NYTME (km.): 614.34 Building: CTPW

Emission Point: 00015
Height (ft.): 36 Diameter (in.): 91
NYTMN (km.): 4497.032 NYTME (km.): 614.347 Building: CTPW

Emission Point: 00016
Height (ft.): 36 Diameter (in.): 91
NYTMN (km.): 4497.033 NYTME (km.): 614.354 Building: CTPW

Emission Point: 00017
Height (ft.): 36 Diameter (in.): 91
NYTMN (km.): 4497.025 NYTME (km.): 614.34 Building: CTPW

Emission Point: 00018
Height (ft.): 36 Diameter (in.): 91

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NYTMN (km.): 4497.026 NYTME (km.): 614.348 Building: CTPW

Emission Point: 00019

Height (ft.): 36

Diameter (in.): 91

NYTMN (km.): 4497.027 NYTME (km.): 614.356 Building: CTPW

Condition 36: Process Definition By Emission Unit
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 36.1:

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

Emission Unit: U-00001

Process: P01

Source Classification Code: 1-01-004-04

Process Description:

This process is the combustion of #6 residual oil in a tangentially fired steam electric boiler. In order to improve boiler operation, a fuel additive may be mixed into the residual oil prior to combustion.

Emission Source/Control: ES001 - Combustion

Design Capacity: 1,825 million Btu per hour

Item 36.2:

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

Emission Unit: U-00001

Process: P02

Source Classification Code: 1-01-005-01

Process Description:

This process is the combustion of #1 distillate oil in a tangentially fired steam electric boiler.

Emission Source/Control: ES001 - Combustion

Design Capacity: 1,825 million Btu per hour

Item 36.3:

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

Emission Unit: U-00001

Process: P03

Source Classification Code: 1-01-005-01

Process Description:

This process is the combustion of #2 oil in a tangentially fired steam electric boiler.

Emission Source/Control: ES001 - Combustion

Design Capacity: 1,825 million Btu per hour

Item 36.4:

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



Emission Unit: U-00001
Process: P04 Source Classification Code: 1-01-006-04
Process Description:
This process is the combustion of pipeline natural gas in a tangentially fired steam electric boiler.

Emission Source/Control: ES001 - Combustion
Design Capacity: 1,825 million Btu per hour

Item 36.5:

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

Emission Unit: U-00001
Process: P05 Source Classification Code: 1-01-013-02
Process Description:
This process is the co-firing of waste fuel in a tangentially fired steam electric boiler. This fuel is fired in combination with a primary fuel, at a rate not to exceed 5%. Waste oil includes gas main drip water and gas transmission condensate. Waste fuel is tested for compliance with 6NYCRR Part 225-2.3 and co-fired with primary boiler fuel at a maximum rate equivalent to 5% of the total heat input into the boiler. Lead, PCB's, and total halogens are tested on every delivery from off site. (only Nationalgrid waste fuel is accepted). Monthly samples are collected and analyzed from each waste fuel tank on site. Analysis for sulfur and heat content have been waived by the NYSDEC since the co-firing rate restrictions insures that the "as burned" waste fuel in the boiler is always within the limitations of Part 225-2.3. Lead, PCB's and halogens limitations are complied with on an "as delivered" and/or "as generated" basis.

Emission Source/Control: ES001 - Combustion
Design Capacity: 1,825 million Btu per hour

Item 36.6:

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

Emission Unit: U-00001
Process: P06 Source Classification Code: 1-01-013-02
Process Description:
This process is the incineration, by co-firing with a primary fuel, of a non-hazardous boiler chemical cleaning solution. Following a chemical cleaning of the water-side of the boilers tubes with an acidic solution, the spent material is evaporated when the boiler is operating at nominal full load. The spent chemical cleanup solution may be from any company owned boiler.

Emission Source/Control: ES001 - Combustion
Design Capacity: 1,825 million Btu per hour



Item 36.7:

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

Emission Unit: U-00002
Process: P07 Source Classification Code: 1-01-004-04

Process Description:

This process is the combustion of #6 residual oil in a tangentially fired steam electric boiler. In order to improve boiler operation, a fuel additive may be mixed into the residual oil prior to combustion.

Emission Source/Control: ES002 - Combustion
Design Capacity: 1,825 million Btu per hour

Item 36.8:

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

Emission Unit: U-00002
Process: P08 Source Classification Code: 1-01-005-01

Process Description:

This process is the combustion of #1 distillate oil in a tangentially fired steam electric boiler.

Emission Source/Control: ES002 - Combustion
Design Capacity: 1,825 million Btu per hour

Item 36.9:

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

Emission Unit: U-00002
Process: P09 Source Classification Code: 1-01-005-01

Process Description:

This process is the combustion of #2 oil in a tangentially fired steam electric boiler.

Emission Source/Control: ES002 - Combustion
Design Capacity: 1,825 million Btu per hour

Item 36.10:

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

Emission Unit: U-00002
Process: P10 Source Classification Code: 1-01-006-04

Process Description:

This process is the combustion of pipeline natural gas in a tangentially fired steam electric boiler.

Emission Source/Control: ES002 - Combustion
Design Capacity: 1,825 million Btu per hour

Item 36.11:



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

Emission Unit: U-00002
Process: P11 Source Classification Code: 1-01-013-02
Process Description:

This process is the co-firing of waste fuel in a tangentially fired steam electric boiler. This fuel is fired in combination with a primary fuel, at a rate not to exceed 5%. Waste oil includes gas main drip water and gas transmission condensate. Waste fuel is tested for compliance with 6NYCRR Part 225-2.3 and co-fired with primary boiler fuel at a maximum rate equivalent to 5% of the total heat input into the boiler. Lead, PCB's, and total halogens are tested on every delivery from off site. (only Nationalgrid waste fuel is accepted). Monthly samples are collected and analyzed from each waste fuel tank on site. Analysis for sulfur and heat content have been waived by the NYSDEC since the co-firing rate restrictions insures that the "as burned" waste fuel in the boiler is always within the limitations of Part 225-2.3. Lead, PCB's and halogens limitations are complied with on an "as delivered" and/or "as generated" basis.

Emission Source/Control: ES002 - Combustion
Design Capacity: 1,825 million Btu per hour

Item 36.12:

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

Emission Unit: U-00002
Process: P12 Source Classification Code: 1-01-013-02
Process Description:

This process is the incineration, by co-firing with a primary fuel, of a non-hazardous boiler chemical cleaning solution. Following a chemical cleaning of the water-side of the boilers tubes with an acidic solution, the spent material is evaporated when the boiler is operating at nominal full load. The spent chemical cleanup solution may be from any company owned boiler.

Emission Source/Control: ES002 - Combustion
Design Capacity: 1,825 million Btu per hour

Item 36.13:

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

Emission Unit: U-00003
Process: P25 Source Classification Code: 1-02-005-01
Process Description:

This process involves the combustion of #1 distillate oil in an industrial steam boiler.

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Emission Source/Control: ES003 - Combustion
Design Capacity: 39 million Btu per hour

Item 36.14:

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

Emission Unit: U-00003
Process: P26 Source Classification Code: 1-02-005-01
Process Description:
This process involves the combustion of #2 distillate oil
in an industrial steam boiler.

Emission Source/Control: ES003 - Combustion
Design Capacity: 39 million Btu per hour

Item 36.15:

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

Emission Unit: U-00003
Process: P27 Source Classification Code: 1-02-006-02
Process Description:
This process involves the combustion of natural gas in an
industrial steam boiler.

Emission Source/Control: ES003 - Combustion
Design Capacity: 39 million Btu per hour

Item 36.16:

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

Emission Unit: U-CTGEN
Process: P28 Source Classification Code: 2-01-009-01
Process Description:
This process is the combustion of #1 distillate oil in a
combustion turbine. In order to improve combustion a fuel
additive may be mixed with the distillate oil prior to
combustion. In addition, when fuel oil is stored for
extended periods, a biocide may be added to prevent
fouling.

Emission Source/Control: ES004 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES005 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES006 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES007 - Combustion
Design Capacity: 322 million Btu per hour

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Emission Source/Control: ES008 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES009 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES011 - Combustion
Design Capacity: 322 million Btu per hour

Item 36.17:

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

Emission Unit: U-CTGEN

Process: P29

Source Classification Code: 2-01-001-01

Process Description:

This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES004 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES005 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES006 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES007 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES008 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES009 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES011 - Combustion
Design Capacity: 322 million Btu per hour

Item 36.18:

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

Emission Unit: U-CTGEN

Process: P30

Source Classification Code: 2-01-002-01

Process Description:

This process is the combustion of pipeline natural gas in a combustion turbine.

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Emission Source/Control: ES004 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES005 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES006 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES007 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES008 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES009 - Combustion
Design Capacity: 322 million Btu per hour

Emission Source/Control: ES011 - Combustion
Design Capacity: 322 million Btu per hour

Item 36.19:

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

Emission Unit: U-CTGEN
Process: P91 Source Classification Code: 2-02-009-02
Process Description:

This process is the combustion of #1 distillate oil in a diesel engine. This engine is used to start the associated combustion turbine. During each startup the engine operates for less than 15 minutes

Emission Source/Control: ES0S4 - Combustion
Design Capacity: 340 horsepower (mechanical)

Item 36.20:

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

Emission Unit: U-CTGEN
Process: P92 Source Classification Code: 2-01-001-02
Process Description:

This process is the combustion of #2 distillate oil in a diesel engine. This engine is used to start the associated combustion turbine. During each startup the engine operates for less than 15 minutes

Emission Source/Control: ES0S4 - Combustion
Design Capacity: 340 horsepower (mechanical)

Item 36.21:

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



Emission Unit: U-CTGEN
Process: P93 Source Classification Code: 2-02-009-02

Process Description:
This process is the combustion of #1 distillate oil in a diesel engine. This engine is used to start the associated combustion turbine. During each startup the engine operates for less than 15 minutes.

Emission Source/Control: ES0S4 - Combustion
Design Capacity: 340 horsepower (mechanical)

Item 36.22:

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

Emission Unit: U-CTGEN
Process: P94 Source Classification Code: 2-01-001-02

Process Description:
This process is the combustion of #2 distillate oil in a diesel engine. This engine is used to start the associated combustion turbine. During each startup the engine operates for less than 15 minutes.

Emission Source/Control: ES0S8 - Combustion
Design Capacity: 340 horsepower (mechanical)

Item 36.23:

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

Emission Unit: U-CTPWN
Process: P52 Source Classification Code: 2-01-009-01

Process Description:
This process is the combustion of #1 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES012 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES013 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES014 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES015 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES016 - Combustion
Design Capacity: 334 million Btu per hour



Emission Source/Control: ES017 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES018 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES019 - Combustion
Design Capacity: 334 million Btu per hour

Item 36.24:

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

Emission Unit: U-CTPWN
Process: P53 Source Classification Code: 2-01-001-01
Process Description:

This process is the combustion of #2 distillate oil in a combustion turbine. In order to improve combustion a fuel additive may be mixed with the distillate oil prior to combustion. In addition, when fuel oil is stored for extended periods, a biocide may be added to prevent fouling.

Emission Source/Control: ES012 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES013 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES014 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES015 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES016 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES017 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES018 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES019 - Combustion
Design Capacity: 334 million Btu per hour

Item 36.25:

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

Emission Unit: U-CTPWN
Process: P54 Source Classification Code: 2-01-002-01

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Facility DEC ID: 1282000553



Process Description:

This process is the combustion of pipeline natural gas in a combustion turbine.

Emission Source/Control: ES012 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES013 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES014 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES015 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES016 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES017 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES018 - Combustion
Design Capacity: 334 million Btu per hour

Emission Source/Control: ES019 - Combustion
Design Capacity: 334 million Btu per hour

Condition 37: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:40CFR 63.9983(c), Subpart UUUUU

Item 37.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Any electric utility steam generating unit that has the capability of combusting more than 25 MW of coal or oil but did not fire coal or oil for more than 10.0 percent of the average annual heat input during any 3 calendar years or for more than 15.0 percent of the annual heat input during any calendar year is not subject to the requirements of Subpart UUUUU. Heat input means heat derived from combustion of fuel in an EGU and does not include the heat derived from preheated combustion air,

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recirculated flue gases or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and industrial boilers).

Source owners opting to use this provision must keep records demonstrating compliance with the above requirements.

Averaging Method: ANNUAL TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2016.

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

Condition 38: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement: 6 NYCRR 227.2 (b) (1)

Item 38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Emission Unit: U-00002	Emission Point: 00002
Emission Unit: U-00003	Emission Point: 00003
Emission Unit: U-CTGEN	Emission Point: 00004
Emission Unit: U-CTGEN	Emission Point: 00005
Emission Unit: U-CTGEN	Emission Point: 00006
Emission Unit: U-CTGEN	Emission Point: 00007
Emission Unit: U-CTGEN	Emission Point: 00008
Emission Unit: U-CTGEN	Emission Point: 00009
Emission Unit: U-CTGEN	Emission Point: 00011
Emission Unit: U-CTPWN	Emission Point: 00012
Emission Unit: U-CTPWN	Emission Point: 00013
Emission Unit: U-CTPWN	Emission Point: 00014
Emission Unit: U-CTPWN	Emission Point: 00015
Emission Unit: U-CTPWN	Emission Point: 00016

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Emission Unit: U-CTPWN Emission Point: 00017

Emission Unit: U-CTPWN Emission Point: 00018

Emission Unit: U-CTPWN Emission Point: 00019

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA RM 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 3/1/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021



Applicable Federal Requirement:6 NYCRR 249.3 (f)

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emission limits in this permit for NO_x, SO₂, and/or PM₁₀ established under Part 249 are based on New York's Best Available Retrofit Technology (BART) Rule (6 NYCRR Part 249), are effective on the date of this permit's issuance, and are state-enforceable. Federal enforceability of these facility-specific requirements is effective on the date on which these emission limits, as submitted to EPA as a revision to New York State's Implementation Plan for Regional Haze, are published in the Federal Register.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 40: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement:6 NYCRR 249.3 (a)

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This Particulate limit is required to demonstrate compliance with the EPA Haze Rule.

The owner or operator of the stationary source to which BART requirements apply must perform an emissions test according to a protocol approved by the department. The emissions test must demonstrate that the necessary

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emission reductions of visibility-impairing pollutants and other requirements under this Part are being met. Testing methods for particulate matter must quantify the emissions of PM10 and particulate matter less than or equal to 2.5 microns in diameter (PM2.5). Both filterable and condensable particulate matter must be included.

Effective date: 01/01/2014

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: EPA Method 201/202
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 41.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

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

Item 41.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

This Nitrogen Oxides limit is required to demonstrate compliance with the EPA Haze Rule. This limit applies when burning natural gas.

The lowest NOx emission rates which can be achieved during non-steady state operating conditions (load following) at Barrett Unit 2, with SOFA technology is 0.10 lb/mmBtu on gas. The Unit will comply with these limits on a 24 hour average basis (midnight to midnight) as required by the BART Regulations. The oil emission limit will be assumed during any 24 hour averaging period, when oil is fired.

Effective date: 01/01/2014

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Manufacturer Name/Model Number: TBD
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: Method 7
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002 Emission Point: 00002

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This Nitrogen Oxides limit is required to demonstrate compliance with the EPA Haze Rule. This limit applies when burnig oil.

The lowest NOx emission rates which can be achieved during non-steady state operating conditions (load following) at Barrett Unit 2, with SOFA technology is 0.20 lb/mmBtu on oil. The Unit will comply with these limits on a 24 hour average basis (midnight to midnight) as required by the BART Regulations. The oil emission limit will he assumed during any 24 hour averaging period, when oil is fired.

Effective date: 01/01/2014

Manufacturer Name/Model Number: TBD
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.20 pounds per million Btus
Reference Test Method: Method 7
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC

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MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2016.
Subsequent reports are due every 3 calendar month(s).

Condition 43: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

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

Item 43.1:

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

Emission Unit: U-CTGEN	Emission Point: 00004
Emission Unit: U-CTGEN	Emission Point: 00005
Emission Unit: U-CTGEN	Emission Point: 00006
Emission Unit: U-CTGEN	Emission Point: 00007
Emission Unit: U-CTGEN	Emission Point: 00008
Emission Unit: U-CTGEN	Emission Point: 00009
Emission Unit: U-CTGEN	Emission Point: 00011
Emission Unit: U-CTPWN	Emission Point: 00012
Emission Unit: U-CTPWN	Emission Point: 00013
Emission Unit: U-CTPWN	Emission Point: 00014
Emission Unit: U-CTPWN	Emission Point: 00015
Emission Unit: U-CTPWN	Emission Point: 00016
Emission Unit: U-CTPWN	Emission Point: 00017
Emission Unit: U-CTPWN	Emission Point: 00018
Emission Unit: U-CTPWN	Emission Point: 00019

Item 43.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall



operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: ANNUALLY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2016.
Subsequent reports are due every 6 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 04/26/2016 and 04/25/2021

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

Item 44.1:

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

Emission Unit: U-CTGEN

Emission Unit: U-CTPWN

Item 44.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one-six-minute period per hour of not more than 27 percent opacity.

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 emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any

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necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2016.

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



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 45: Contaminant List
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable State Requirement:ECL 19-0301

Item 45.1:

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

CAS No: 000124-38-9
Name: CARBON DIOXIDE



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

CAS No: 0NY075-00-0
Name: PARTICULATES

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

Condition 46: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable State Requirement:6 NYCRR 201-1.4

Item 46.1:

- (a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.
- (b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.
- (c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.
- (d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.
- (e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.



Condition 47: Visible Emissions Limited
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable State Requirement:6 NYCRR 211.2

Item 47.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 48: Compliance Demonstration
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable State Requirement:6 NYCRR 242-1.4 (b)

Item 48.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) Applicability. Notwithstanding Subdivision (a) of this Section, any unit that, on or before December 1, 2008, applies for an enforceable permit condition restricting the supply of the unit's annual electrical output to the electric grid to less than or equal to 10 percent of the annual gross generation of the unit, and that from and after January 1, 2009 complies with the 10 percent restriction and the provisions in Paragraph (b)(3) of this Section, shall be exempt from the requirements of this Part, except for the provisions of this Section, Sections 242-1.2, 242-1.3, and 242-1.6 of this Part.

(2) Effective date. The exemption under Paragraph (b)(1) of this Section shall become effective as of January 1, 2009 and remain in effect unless and until the unit loses its exemption under Subparagraph (b)(3)(v) of this Section.

(3) Compliance.

(i) A unit exempt under Paragraph (b)(1) of this Section shall comply with the restriction on percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section.

(ii) A unit exempt under Paragraph (b)(1) of this Section shall report to the department the amount of annual gross



generation and the amount of annual gross generation supplied to the electric grid during the year by the following February 1st.

(iii) For a period of 10 years from the date the records are created, the owners and operators of a unit exempt under Paragraph (b)(1) of this Section shall retain, at the source that includes the unit, records demonstrating that the conditions of the permit under Paragraph (b)(1) of this Section were met. The 10-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the department. The owners and operators bear the burden of proof that the unit met the restriction on the percentage of annual gross generation that may be supplied to the electric grid.

(iv) The owners and operators and, to the extent applicable, the CO₂ authorized account representative of a unit exempt under Paragraph (b)(1) of this Section shall comply with all the requirements of this Part concerning all time periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.

(v) On the earlier of the following dates, a unit exempt under Paragraph (b)(1) of this Section shall lose its exemption:

(a) the date on which the restriction on the percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section is removed from the unit's permit or otherwise becomes no longer applicable in any year that commences on or after January 1, 2009; or

(b) the first date on which the unit fails to comply, or on which the owners and operators fail to meet their burden of proving that the unit is complying, with the restriction on the percentage of annual gross generation that may be supplied to the electric grid described in Paragraph (b)(1) of this Section during any year that commences on or after January 1, 2009.

(vi) A unit that loses its exemption in accordance with Subparagraph (b)(3)(v) of this Section shall be subject to the requirements of this Part. For the purpose of applying permitting requirements under Subpart 242-3 of this Part, allocating allowances under Subpart 242-5 of this Part, and applying monitoring requirements under Subpart 242-8 of this Part, the unit shall be treated as commencing operation on the date the unit loses its exemption.



(4) Reduction in CO2 Budget Trading Program base budget.
In the event that a unit applies for and receives a permit condition that renders the unit exempt under Subdivision (b) of this Section, then the department shall reduce the CO2 Budget Trading Program base budget to remove the number of tons equal to the unit's average annual emissions from the previous three calendar years.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

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

Condition 49: CO2 Budget Trading Program - Excess emission requirements
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable State Requirement:6 NYCRR 242-1.5

Item 49.1:

The owners and operators of a CO2 budget source that has excess emissions in any control period shall:

- (1) forfeit the CO2 allowances required for deduction under 6 NYCRR Part 242-6.5(d)(1), provided CO2 offset allowances may not be used to cover any part of such excess emissions; and
- (2) pay any fine, penalty, or assessment or comply with any other remedy imposed under 6 NYCRR Part 242-6.5(d)(2).

Condition 50: Compliance Demonstration
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable State Requirement:6 NYCRR Subpart 242-4

Item 50.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Annual Compliance Certification Report:

- (a) For each control period in which a CO2 budget source is subject to the CO2 requirements of subdivision 242-1.5(c) of this Part, CO2 authorized account representative of the source shall submit to the department by March 1st following the relevant control period, a compliance certification report. The control period is a three-calendar-year time period.



(b) The compliance certification report shall include the following elements:

(1) identification of the source and each CO₂ budget unit at the source;

(2) as an option, the serial numbers of the CO₂ allowances that are to be deducted from the source's compliance account under section 242-6.5 of this Part for the control period, including the serial numbers of any CO₂ offset allowances that are to be deducted subject to the limitations of section 242-6.5(a)(3) of this Part; and

(3) the compliance certification under subdivision (c) of this section (below).

(c) In the compliance certification report the CO₂ authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the CO₂ budget units at the source in compliance with the CO₂ Budget Trading Program, whether the source and each CO₂ budget unit at the source for which the compliance certification is submitted was operated during the calendar years covered by the report in compliance with the requirements of the CO₂ Budget Trading Program, including:

(1) whether the source was operated in compliance with the CO₂ requirements of section 242-1.5(c) of this Part;

(2) whether the monitoring plan applicable to each unit at the source has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute CO₂ emissions to the unit, in accordance with Subpart 242-8 of this Part;

(3) whether all the CO₂ emissions from the units at the source were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 242-8 of this Part. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions have been made;

(4) whether the facts that form the basis for certification under Subpart 242-8 of each monitor at each



unit at the source, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 242-8 of this Part, if any, have changed; and

(5) if a change is required to be reported under paragraph (c)(4) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 51: Compliance Demonstration
Effective between the dates of 04/26/2016 and 04/25/2021

Applicable State Requirement:6 NYCRR 242-8.5

Item 51.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000124-38-9 CARBON DIOXIDE

Item 51.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Recordkeeping and Reporting (6NYCRR Part 242-8.5)

(a) General provisions. The CO₂ authorized account representative shall comply with all recordkeeping and reporting requirements in this section, the applicable record keeping and reporting requirements under 40 CFR 75.73 and with the requirements of section 242-2.1(e) of this Part.

(b) Monitoring plans. The owner or operator of a CO₂ budget unit shall submit a monitoring plan in the manner prescribed in 40 CFR 75.62.

(c) Certification applications. The CO₂ authorized account representative shall submit an application to the department within 45 days after completing all CO₂ monitoring system initial certification or recertification tests required under section 242-8.2 of this Subpart including the information required under 40 CFR 75.63 and



40 CFR 75.53(e) and (f).

(d) Quarterly reports. The CO₂ authorized account representative shall submit quarterly reports, as follows:

(1) The CO₂ authorized account representative shall report the CO₂ mass emissions data and heat input data for the CO₂ budget unit, in an electronic format prescribed by the administrator unless otherwise prescribed by the department for each calendar quarter.

(2) The CO₂ authorized account representative shall submit each quarterly report to the department or its agent within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in subpart H of 40 CFR part 75 and 40 CFR 75.64. Quarterly reports shall be submitted for each CO₂ budget unit (or group of units using a common stack), and shall include all of the data and information required in subpart G of 40 CFR part 75, except for opacity, NO_x, and SO₂ provisions.

(3) The CO₂ authorized account representative shall submit to the department or its agent a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(i) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR part 75, including the quality assurance procedures and specifications;

(ii) for a unit with add-on CO₂ emissions controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emissions controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B of 40 CFR part 75 and the substitute values do not systematically underestimate CO₂ emissions; and

(iii) the CO₂ concentration values substituted for missing data under Subpart D of 40 CFR part 75 do not systematically underestimate CO₂ emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2016.

Subsequent reports are due every 3 calendar month(s).

