



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 1-4722-00107/00025
Effective Date: 10/25/2016 Expiration Date: 10/24/2021

Permit Type: Title IV (Phase II Acid Rain)
Permit ID: 1-4722-00107/00035
Effective Date: 10/25/2016 Expiration Date: 10/24/2021

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

Facility: PORT JEFFERSON POWER STATION
700 Beach St
Port Jefferson, NY 11777

Contact: PAUL A LYNCH
NATIONAL GRID
175 E OLD COUNTRY RD
HICKSVILLE, NY 11801-4280
(516) 545-2564

Description:
This is a renewal of the TIV Permit for the facility. This facility consists of two (2) 185 MWe steam electric boilers operating on either natural gas or #6 residual fuel oil, and a 12 MWe "black start" combustion turbine which provides emergency restart power in the event of a failure in the electric grid and also provides additional capacity to the grid during peak load days.

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

Item 3.2:

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

Item 3.3

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



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

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

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal - REGION 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: 1-4722-00107/00025

Facility DEC ID: 1472200107



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: PORT JEFFERSON POWER STATION
700 Beach St
Port Jefferson, NY 11777

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

Permit Effective Date: 10/25/2016

Permit Expiration Date: 10/24/2021



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 3 6 NYCRR 201-6.4 (a) (7): Fees
- 4 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 5 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 6 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 7 6 NYCRR 201-6.4 (e): Compliance Certification
- 13 6 NYCRR 202-2.1: Compliance Certification
- 14 6 NYCRR 202-2.1: Compliance Certification
- 16 6 NYCRR 202-2.5: Recordkeeping requirements
- 18 6 NYCRR 215.2: Open Fires - Prohibitions
- 20 6 NYCRR 200.7: Maintenance of Equipment
- 22 6 NYCRR 201-1.7: Recycling and Salvage
- 24 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 26 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 28 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 30 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 31 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 32 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 38 6 NYCRR 202-1.1: Required Emissions Tests
- 40 40 CFR Part 68: Accidental release provisions.
- 42 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 44 6 NYCRR Subpart 201-6: Emission Unit Definition
- 46 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- *47 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 48 6 NYCRR 211.1: Air pollution prohibited
- 50 6 NYCRR 227-1.3: Compliance Plan
- 51 6 NYCRR 227-1.3 (a): Compliance Certification
- 52 6 NYCRR Subpart 227-2: Compliance Certification
- 53 6 NYCRR Subpart 227-2: Compliance Certification
- 74 40CFR 63.9991(a)(1), Subpart UUUUU: Compliance Certification
- 75 40CFR 63.10032(j), Subpart UUUUU: Limited use boiler recordkeeping requirements
- 76 40 CFR Part 72: Facility Subject to Title IV Acid Rain Regulations and Permitting
- 79 40CFR 97.406, Subpart AAAAA: Compliance Certification
- 80 40CFR 97.506, Subpart BBBBB: Compliance Certification
- 81 40CFR 97.606, Subpart CCCCC: Compliance Certification

Emission Unit Level

- 82 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 84 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 86 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
- 88 6 NYCRR Subpart 201-7: Process Permissible Emissions

New York State Department of Environmental Conservation

Permit ID: 1-4722-00107/00025

Facility DEC ID: 1472200107



EU=U-00002

- 94 6 NYCRR 227-1.3 (a): Compliance Plan
- 95 6 NYCRR 227.2 (b) (1): Compliance Certification

EU=U-00002,EP=00002

- 96 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-00003

- 97 6 NYCRR 227-1.3 (a): Compliance Plan
- 98 6 NYCRR 227.2 (b) (1): Compliance Certification

EU=U-00003,EP=00003

- 99 6 NYCRR 227-1.3 (a): Compliance Certification

EU=U-HBOO1

- *100 6 NYCRR Subpart 201-7: Capping Monitoring Condition

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 101 ECL 19-0301: Contaminant List
- 103 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)

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

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

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

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

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

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

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

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 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 F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

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

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

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

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

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

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V



facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 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 K: Permit Exclusion - ECL 19-0305

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

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

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

**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 10/25/2016 and 10/24/2021**

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



Condition 6: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

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

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:

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 3/1/2017.

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

Condition 7: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

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

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:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;



and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
NYSDEC- Region 1 Headquarters
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409

The address for the BQA is as follows:

NYSDEC



New York State Department of Environmental Conservation

Permit ID: 1-4722-00107/00025

Facility DEC ID: 1472200107

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 13: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 13.1:

The Compliance Certification activity will be performed for the Facility.

Item 13.2:

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 14: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 14.1:

The Compliance Certification activity will be performed for the Facility.

Item 14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

Monitoring Frequency: ANNUALLY

New York State Department of Environmental Conservation

Permit ID: 1-4722-00107/00025

Facility DEC ID: 1472200107



Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 16: Recordkeeping requirements
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 16.1:

(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 18: Open Fires - Prohibitions
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR 215.2

Item 18.1:

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 18.2

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.



the air

Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 24.1:

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 26: Exempt Sources - Proof of Eligibility

Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 26.1:

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 28: Trivial Sources - Proof of Eligibility

Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 28.1:

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 30: Requirement to Provide Information

Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 30.1:

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 31: Right to Inspect

Effective between the dates of 10/25/2016 and 10/24/2021



Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 44.1:

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 or #6 fuel oil and/or natural gas. Exhaust is through emission point 00002.

Building(s): BLR BLD #3

Item 44.2:

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

Emission Unit: U-00003

Emission Unit Description:

This unit is a 185 MWe turbine/generator boiler set firing #1, #2 and #6 fuel oil and/or natural gas. Exhaust is through emission point 00003.

Building(s): BLR BLD #4

Item 44.3:

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

Emission Unit: U-GT001

Emission Unit Description:

This unit is a "black start" combustion turbine designed to provide sufficient power to bring the entire power station back on line following a catastrophic system collapse. In addition the unit is used to supply peak generation capacity, as required to support the Long Island electric distribution system.

Building(s): CT1

Item 44.4:

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

Emission Unit: U-GT0S1

Emission Unit Description:

This unit is a 430 hp diesel engine used to start the "black start" combustion turbine, designated emission unit UGT001. This unit only operates during start up of the combustion turbine, generally less than 15 minutes per event.

Building(s): CT1

Item 44.5:

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

Emission Unit: U-HBOO1



Emission Unit Description:

This emission unit is a small boiler(nominal 800 hp) installed on either a permanent or temporary basis to supply heat to the facility when the main boilers are out of service. Specifics of the boiler design have not been finalized. Consequently, emission point and emission source details are not yet available.

Building(s): BLR BLD1/2

Condition 46: Progress Reports Due Semiannually
Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 46.1:

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 47: Capping Monitoring Condition
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 47.1:

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

6 NYCRR Subpart 231-2

Item 47.2:

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

Item 47.3:

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

Item 47.4:

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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 50: Compliance Plan
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 50.1:

Compliance will be achieved according to the following schedule for the Facility:

Consent Order: D190009708

Progress Report Begin Date: 05/08/1998

Item 50.2:

Remedial Measure:

Schedule Date: 05/08/1998

This compliance certification is based upon National Grid's (NG) understanding of the applicable requirements and regulations. NG has signed and complies with Consent Order D1-9000-97-08 concerning opacity requirements.

Condition 51: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 51.1:

The Compliance Certification activity will be performed for the Facility.

Item 51.2:

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 6 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

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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 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
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
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 52: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR Subpart 227-2

Item 52.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
NOx RACT compliance is on a system-wide average basis for all KeySpan affected facilities.

Reference Test Method: 40CFR60 APP B.

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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 3/1/2017.
Subsequent reports are due every 3 calendar month(s).

Condition 53: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR Subpart 227-2

Item 53.1:

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

Emission Unit: U-00002

Emission Unit: U-00003

Emission Unit: U-GT001

Emission Unit: U-GT0S1

Emission Unit: U-HBOO1

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

NOx RACT compliance is on a system-wide average basis for
all KeySpan affected facilities.

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 3/1/2017.
Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:40CFR 63.9991(a)(1), Subpart UUUUU

Item 74.1:

The Compliance Certification activity will be performed for the Facility.

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Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a coal or oil fired electric generating unit must conduct a tune-up of the unit's burner and combustion controls at least every 36 calendar months, or each 48 months if neural network combustion optimization software is employed, as specified in 40 CFR 63.10021(e).

Monitoring Frequency: AS REQUIRED - SEE PERMIT 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 75: Limited use boiler recordkeeping requirements
Effective between the dates of 10/25/2016 and 10/24/2021**

Applicable Federal Requirement:40CFR 63.10032(j), Subpart UUUUU

Item 75.1:

The owner or operator of an EGU that qualifies as a limited-use liquid oil-fired EGU must keep records of the type(s) and amount(s) of fuel use in each calendar quarter to document that the capacity factor limitation for that subcategory is met.

**Condition 76: Facility Subject to Title IV Acid Rain Regulations and Permitting
Effective between the dates of 10/25/2016 and 10/24/2021**

Applicable Federal Requirement:40 CFR Part 72

Item 76.1: 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 79: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021**

Applicable Federal Requirement:40CFR 97.406, Subpart AAAAA

Item 79.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 79.2:

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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 NOx Annual allowances and to determine compliance with the TR NOx 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 NOx Annual facility and each TR NOx Annual Unit at the facility shall hold, in the facilities compliance account, TR NOx Annual allowances available for deduction for such control period under §97.424(a) in an amount not less than the tons of total NOx emissions for such control period from all TR NOx Annual Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 80: Compliance Certification



Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement: 40CFR 97.506, Subpart BBBBB

Item 80.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 80.2:

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

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such control period under §97.524(a) in an amount not less than the tons of total NO_x emissions for such control period from all TR NO_x Ozone Season Units at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 81: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:40CFR 97.606, Subpart CCCCC

Item 81.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 81.2:

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.

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(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 ******

Condition 82: Emission Point Definition By Emission Unit
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 82.1:

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 425

Diameter (in.): 123

NYTMN (km.): 4535.008 NYTME (km.): 661.703 Building: BLR BLD #3

Item 82.2:

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

Emission Unit: U-00003

Emission Point: 00003

Height (ft.): 425

Diameter (in.): 123

NYTMN (km.): 4534.979 NYTME (km.): 661.678 Building: BLR BLD #4

Item 82.3:

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

Emission Unit: U-GT001

Emission Point: GT001

Height (ft.): 38

Length (in.): 140

Width (in.): 110



NYTMN (km.): 4534.809 NYTME (km.): 661.415 Building: CT1

Item 82.4:

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

Emission Unit: U-GT0S1

Emission Point: GT0S1

Height (ft.): 20 Diameter (in.): 5

NYTMN (km.): 4534.807 NYTME (km.): 661.415 Building: CT1

Item 82.5:

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

Emission Unit: U-HBOO1

Emission Point: BOIL1

Height (ft.): 10 Diameter (in.): 28

NYTMN (km.): 4534.981 NYTME (km.): 661.923

**Condition 84: Process Definition By Emission Unit
Effective between the dates of 10/25/2016 and 10/24/2021**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 84.1:

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

Emission Unit: U-00002

Process: P13

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 is mixed into the residual oil prior to combustion.

Emission Source/Control: ES003 - Combustion

Design Capacity: 1,889 million Btu per hour

Emission Source/Control: ES004 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

Item 84.2:

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

Emission Unit: U-00002

Process: P14

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. When natural gas is unavailable, this fuel is used during the initial start up of the boiler



Design Capacity: 1,889 million Btu per hour

Emission Source/Control: ES006 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 84.6:

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

Emission Unit: U-00003
Process: P20 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. When natural gas is unavailable, this fuel is used during the initial start up of the boiler.

Emission Source/Control: ES005 - Combustion
Design Capacity: 1,889 million Btu per hour

Emission Source/Control: ES006 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 84.7:

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

Emission Unit: U-00003
Process: P21 Source Classification Code: 1-01-005-01
Process Description:

This process is the combustion of #2 distillate oil in a tangentially fired steam electric boiler. When natural gas is unavailable, this fuel is used during the initial start up of the boiler.

Emission Source/Control: ES005 - Combustion
Design Capacity: 1,889 million Btu per hour

Emission Source/Control: ES006 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 84.8:

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

Emission Unit: U-00003
Process: P22 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. Electrostatic precipitator not used when firing natural gas.

Emission Source/Control: ES005 - Combustion
Design Capacity: 1,889 million Btu per hour



Emission Source/Control: ES006 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 84.9:

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

Emission Unit: U-00003
Process: P24 Source Classification Code: 1-01-013-01

Process Description:

This process is the incineration, by cofiring with a primary fuel, of boiler chemical cleaning solutions. Following a chemical cleaning of the water side of the boilers tubes with an acidic solution, the spent material is evaporated in an adjacent boiler operating at nominal full load

Emission Source/Control: ES005 - Combustion
Design Capacity: 1,889 million Btu per hour

Emission Source/Control: ES006 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 84.10:

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

Emission Unit: U-GT001
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: ES007 - Combustion
Design Capacity: 267 million Btu per hour

Item 84.11:

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

Emission Unit: U-GT001
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: ES007 - Combustion

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Design Capacity: 267 million Btu per hour

Item 84.12:

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

Emission Unit: U-GT0S1

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 start up the engine operates for less than 15 minutes.

Emission Source/Control: ES008 - Combustion

Design Capacity: 430 horsepower (mechanical)

Item 84.13:

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

Emission Unit: U-GT0S1

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 start up the engine operates for less than 15 minutes.

Emission Source/Control: ES008 - Combustion

Design Capacity: 430 horsepower (mechanical)

Item 84.14:

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

Emission Unit: U-HBOO1

Process: HB1

Source Classification Code: 1-02-006-03

Process Description:

This process involves the operation of an 800 hp steam boiler firing natural gas. Hours per day, days per year, quantity per hour and quantity per year values will be monitored to insure NOx emissions do not exceed 2.5 ton per year.

Emission Source/Control: ESHB1 - Combustion

Design Capacity: 800 horsepower (boiler)

Condition 86: Emission Unit Permissible Emissions

Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 86.1:

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

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

Emission Unit: U-00002

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 567 pounds per hour

4,398,000 pounds per year

Emission Unit: U-00003

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 567 pounds per hour

4,398,000 pounds per year

Emission Unit: U-GT001

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 374 pounds per hour

3,311,000 pounds per year

Emission Unit: U-GT0S1

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 13 pounds per hour

665 pounds per year

Emission Unit: U-HBOO1

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 2.4 pounds per hour

5,000 pounds per year

Condition 88: Process Permissible Emissions
Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 88.1:

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00002

Process: P13

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

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PTE(s): 567 pounds per hour
4,398,000 pounds per year

Emission Unit: U-00002 Process: P14

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 567 pounds per hour
4,398,000 pounds per year

Emission Unit: U-00002 Process: P15

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 567 pounds per hour
4,398,000 pounds per year

Emission Unit: U-00002 Process: P16

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 378 pounds per hour
3,311,100 pounds per year

Emission Unit: U-00003 Process: P19

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 567 pounds per hour
4,398,000 pounds per year

Emission Unit: U-00003 Process: P20

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 567 pounds per hour
4,398,000 pounds per year

Emission Unit: U-00003 Process: P21

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 567 pounds per hour
4,398,000 pounds per year

Emission Unit: U-00003 Process: P22

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 378 pounds per hour
3,311,000 pounds per year

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Emission Unit: U-GT001 Process: P28

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 374 pounds per hour

3,279,744 pounds per year

Emission Unit: U-GT001 Process: P29

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 374 pounds per hour

3,279,744 pounds per year

Emission Unit: U-GT0S1 Process: P91

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 13 pounds per hour

665 pounds per year

Emission Unit: U-GT0S1 Process: P92

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 13 pounds per hour

665 pounds per year

Emission Unit: U-HBOO1 Process: HB1

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 0.57 pounds per hour

5,000 pounds per year

Condition 94: Compliance Plan
Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 94.1:
Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: U-00002

Consent Order: D1-9000-97

Progress Report Begin Date: 05/08/1998

Item 94.2:
Remedial Measure:
Schedule Date: 05/08/1998

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This compliance certification is based upon National Grid's (NG) understanding of the applicable requirements and regulations. NG has signed a Consent Order concerning opacity requirements. NG shall comply with Appendix A of Consent Order D1-9000-97.

Condition 95: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission 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, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 96: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

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Facility DEC ID: 1472200107



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

Item 96.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Item 96.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity is measured on a continuous emission monitor as a compliance indicator. (Operation of the monitor, and reporting of results, are only required when burning fuel oil). According to Consent Order No. D1-9000-97-08 appendix A 8- quarterly reports: quarterly opacity incident reports will be submitted to the NSDEC 60 days following the end of a calendar quarter

Manufacturer Name/Model Number: SICK OMD41

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Reference Test Method: 40 CFR PART 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2017.

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

Condition 97: Compliance Plan

Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 97.1:

Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: U-00003

Consent Order: D1-9000-97

Progress Report Begin Date: 05/08/1998

Item 97.2:

Remedial Measure:

Schedule Date: 05/08/1998

This compliance certification is based upon National
Grid's (NG) understanding of applicable requirements and



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regulations. NG has signed a Consent Order concerning opacity requirements. NG shall comply with Appendix A of Consent Order D1-9000-97.

Condition 98: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

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

Item 98.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 98.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission 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, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

Condition 99: Compliance Certification
Effective between the dates of 10/25/2016 and 10/24/2021

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

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Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Emission Point: 00003

Item 99.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity is measured on a continuous emission monitor as a compliance indicator. (Operation of the monitor, and reporting of results, is only required when burning fuel oil). According to Consent Order No. D1-9000-97-08 Appendix A 8- quarterly reports: quarterly opacity incident reports will be submitted to the NSDEC 60 days following the end of a calendar quarter.

Manufacturer Name/Model Number: SICK OMD41

Parameter Monitored: OPACITY

Upper Permit Limit: 20.0 percent

Reference Test Method: 40 CFR PART 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2017.

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

Condition 100: Capping Monitoring Condition

Effective between the dates of 10/25/2016 and 10/24/2021

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 100.1:

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

6 NYCRR Subpart 231-2

Item 100.2:

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

Item 100.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart,

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during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 100.4:

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

Item 100.5:

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

Item 100.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-HBOO1

Regulated Contaminant(s):

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

Item 100.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

A small boiler (800 hp) will be installed on either a temporary or permanent basis to supply heat to the facility when the main boilers are out of service. Emissions from this source are capped below 2.5 tons per year of NOx.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.5 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

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).



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

Item B: 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 101: Contaminant List

Effective between the dates of 10/25/2016 and 10/24/2021

Applicable State Requirement:ECL 19-0301

Item 101.1:

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

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

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

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

Condition 103: Malfunctions and start-up/shutdown activities

Effective between the dates of 10/25/2016 and 10/24/2021

Applicable State Requirement:6 NYCRR 201-1.4

Item 103.1:

(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.

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(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.