



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6307-00290/00001  
Effective Date: 11/29/2017 Expiration Date: 11/28/2022

Permit Issued To: LONG ISLAND JEWISH MEDICAL CENTER  
270-05 76TH AVE  
NEW HYDE PARK, NY 11040-1433

Contact: ROBERT RAIMONDI  
LONG ISLAND JEWISH MEDICAL CENTER  
270-05 76TH AVE  
NEW HYDE PARK, NY 11040  
(718) 470-7410

Facility: LONG ISLAND JEWISH MEDICAL CENTER-QUEENS  
270-05 76TH AVE  
NEW HYDE PARK, NY 11040

Contact: ROBERT RAIMONDI  
LONG ISLAND JEWISH MEDICAL CTR  
270-05 76TH AVE  
NEW HYDE PARK, NY 11040  
(718) 470-7410

Description:  
Title V Renewal 3:

The facility operates three (3) boilers each with heat input capacity of 63.0 MMBTU/hr burning natural gas and number 2 oil and, seven (7) emergency generators burning number 2 oil, two cogen units with capacity of 1.4 MW burning natural gas, a dual use generator (emergency power back up engine) and Nine (9) exempt boilers. Note: There are 8 existing boilers located within the Main Staff, Lowenstein, Littauer, Conference Center, Health & Speech, & Generator Bldgs. The 3 exempt boilers in Littauer are being replaced w/ 3 new exempt boilers and there will be 1 additional boiler installed in the Sloman Bldg.

On original application the PTE for the cogens (00CG1 & 00CG2) were included in emission unit UGENCP, however, the DEC has included them as part of U-000CP, therefore, they have been removed from UGENCP and included in U-000CP.

The two Cogens (00CG1 & 00CG2) were included in Emission unit below (U-GENCP) when they are actually part of Emission Unit U000CP, therefore the cogen emission rates have been subtracted from the emission rates under Emission Unit U-GENCP.

The facility wide NOx emissions are capped 43.92 tons per year on a 12-month rolling basis to avoid New Source Review Applicability of 6NYCRR Subpart 231-2.

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 2630700290**



This is a major facility since the facility wide NOx emissions are greater than 25 tons per year and is subject to Part 201-6 requirements.

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:           STEPHEN A WATTS  
  47-40 21ST ST  
  LONG ISLAND CITY, NY 11101-5401

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 2 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 2 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997

**New York State Department of Environmental Conservation**

Permit ID: 2-6307-00290/00001

Facility DEC ID: 2630700290



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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: LONG ISLAND JEWISH MEDICAL CENTER  
270-05 76TH AVE  
NEW HYDE PARK, NY 11040-1433

Facility: LONG ISLAND JEWISH MEDICAL CENTER-QUEENS  
270-05 76TH AVE  
NEW HYDE PARK, NY 11040

Authorized Activity By Standard Industrial Classification Code:  
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Permit Effective Date: 11/29/2017

Permit Expiration Date: 11/28/2022



**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 Subpart 201-7: Facility Permissible Emissions
  - \*24 6 NYCRR Subpart 201-7: Capping Monitoring Condition
  - 25 6 NYCRR 201-7.1: Facility Permissible Emissions
  - \*26 6 NYCRR 201-7.1: Capping Monitoring Condition
  - 27 6 NYCRR 211.1: Air pollution prohibited
  - 28 6 NYCRR 225-1.2 (g): Compliance Certification
  - 29 6 NYCRR 225-1.2 (h): Compliance Certification
  - 30 6 NYCRR 225-1.5 (c): Compliance Certification
  - 31 6 NYCRR 225.7 (a): Compliance Certification
  - 32 6 NYCRR 227-1.3 (a): Compliance Certification
  - 33 6 NYCRR 227-2.4 (d): Compliance Certification
  - 34 40CFR 60, NSPS Subpart IIII: Applicability
  - 35 40CFR 60, NSPS Subpart IIII: Compliance and Enforcement
  - 36 40CFR 60, NSPS Subpart JJJJ: Applicability
  - 37 40CFR 60, NSPS Subpart JJJJ: Compliance and Enforcement
  - 38 40CFR 63, Subpart JJJJJ: Compliance Certification
  - 39 40CFR 63, Subpart ZZZZ: Applicability
  - 40 40CFR 63, Subpart ZZZZ: Compliance and Enforcement
  - 41 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP
- Emission Unit Level**
- 42 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit





43 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

**EU=U-000CP**

- 44 6 NYCRR 227-2.6 (c): Compliance Certification
- 45 6 NYCRR 227.2 (b) (1): Compliance Certification
- 46 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Certification
- 47 40CFR 60.48c(c), NSPS Subpart Dc: Compliance Certification
- 48 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Certification
- 49 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
- 50 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification
- 51 40CFR 60.48c(j), NSPS Subpart Dc: Reporting period

**EU=U-000CP,Proc=1CF,ES=00CP1**

- 52 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification

**EU=U-000CP,Proc=1CG,ES=00CG1**

- 53 6 NYCRR 227-2.4 (d): Compliance Certification

**EU=U-000CP,Proc=2CF,ES=00CP2**

- 54 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification

**EU=U-000CP,Proc=2CG,ES=00CG2**

- 55 6 NYCRR 227-2.4 (d): Compliance Certification

**EU=U-000CP,Proc=3CF,ES=00CP3**

- 56 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification

**EU=U-000CP,EP=000CP**

- 57 6 NYCRR 227-1.3: Compliance Certification
- 58 6 NYCRR 227-2.5 (a): Compliance Certification

**EU=U-000CP,EP=000CP,Proc=1CF**

- 59 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.

**EU=U-000CP,EP=000CP,Proc=1CF,ES=00CP1**

- 60 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 61 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification

**EU=U-000CP,EP=000CP,Proc=1CG,ES=00CG1**

- 62 6 NYCRR 227-2.4 (f) (1): Compliance Certification

**EU=U-000CP,EP=000CP,Proc=2CF**

- 63 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.

**EU=U-000CP,EP=000CP,Proc=2CF,ES=00CP2**

- 64 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification
- 65 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification

**EU=U-000CP,EP=000CP,Proc=2CG,ES=00CG2**



66 6 NYCRR 227-2.4 (f) (1): Compliance Certification

**EU=U-000CP,EP=000CP,Proc=3CF**

67 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.

**EU=U-000CP,EP=000CP,Proc=3CF,ES=00CP3**

68 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Certification

69 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification

**EU=U-GENCP,EP=000G1,Proc=CF3,ES=0GEN1**

70 6 NYCRR 227-2.5 (c): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

71 ECL 19-0301: Contaminant List

72 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities

73 6 NYCRR 211.2: Visible Emissions Limited

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. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements,





the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual



report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

**Condition 6: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**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 record keeping 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  
Hunters Point Plaza  
47-40 21st Street  
Long Island City, NY 11101-5407

The address for the BQA is as follows:



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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2018.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**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.

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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**



**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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.





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submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 20: Recycling and Emissions Reduction**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**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 11/29/2017 and 11/28/2022**

**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: E-MRGEN

Emission Unit Description:

Six emergency generators not included in any other emission unit.

**Item 21.2:**

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

Emission Unit: U-000CP

Emission Unit Description:

Three (3) boilers with emission sources 00CP1, 00CP2, 00CP3 combined to one (1) stack, emission point 000CP.

Two cogeneration systems; sources 00CG1 and 00CG2 exhausting through the existing stack, emission point 000CP. Each of these sources is equipped with catalytic oxidation controls, designated as 01CG1, 02CG2

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respectively.

Building(s): CENTRAL

**Item 21.3:**

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

Emission Unit: U-GENCP

Emission Unit Description:

This emission unit includes one dual-use generator (emergency and assist for the cogen units); designated as 0GEN1, exhausting to emission point 000G1.

Building(s): CENTRAL

**Item 21.4:**

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

Emission Unit: U-OEGCP

Emission Unit Description:

This emission unit is for the existing emergency generator (source EGEN1) installed in the central plant that was part of the central plant boiler installation. This emergency generator has a dedicated exhaust stack (emission point 00EG1).

Building(s): MAIN

**Condition 22: Progress Reports Due Semiannually**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**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: Facility Permissible Emissions**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:6 NYCRR Subpart 201-7**

**Item 23.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

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CAS No: ONY210-00-0

PTE: 87,840 pounds per year

Name: OXIDES OF NITROGEN

**Condition 24: Capping Monitoring Condition**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement: 6 NYCRR Subpart 201-7**

**Item 24.1:**

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 24.2:**

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

**Item 24.3:**

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 24.4:**

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 24.5:**

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 24.6:**

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

Emission Unit: U-000CP

Process: 1CF

Emission Source: 00CP1

Emission Unit: U-000CP

Process: 2CF

Emission Source: 00CP2

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Emission Unit: U-000CP

Process: 3CF

Emission Source: 00CP3

Emission Unit: U-000CP

Process: 3CG

Emission Source: 00CP1

Emission Unit: U-000CP

Process: 3CG

Emission Source: 00CP2

Emission Unit: U-000CP

Process: 3CG

Emission Source: 00CP3

Regulated Contaminant(s):

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

**Item 24.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The NO<sub>x</sub> (Oxides of Nitrogen) emissions for the three Nebraska boilers (emission sources 00CP1, 00CP2 and, 00CP3) are capped as per previous permit 2-6307-0029/000001 Mod. 2, at 21.4 tons per year on a 12-month rolling basis to avoid New Source Review Applicability of 6NYCRR Subpart 231-2.

The owner or operator shall maintain record of the quantity of fuel burned by the three Nebraska boilers each with heat input of 63.0 mmbtu/hr and calculate the NO<sub>x</sub> emissions based on the type and quantity of fuel, burned using the following formula:

$$D(0.016) + G(72) < 21.4 \text{ tpy}$$

Where:

For the three Nebraska boilers, emission sources 00CP1, 00CP2 and, 00CP3:

D = 12-month rolling total of distillate oil fired in gallons/yr.

G = 12-month rolling total of natural gas fired in MMSCF/yr.

0.016 = pound of NO<sub>x</sub> per gallon distillate oil fired. Emission factor is based on the 2016 stack test results.

72 = emission factor, pound of NO<sub>x</sub> per MMSCF. Emission factor is based on the 2016 stack test results.

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Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 42800 pounds per year  
Monitoring Frequency: WHEN THE SOURCE IS OPERATING  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2018.  
Subsequent reports are due every 6 calendar month(s).

**Condition 25: Facility Permissible Emissions**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 25.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 0NY210-00-0

PTE: 87,840 pounds per year

Name: OXIDES OF NITROGEN

**Condition 26: Capping Monitoring Condition**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 26.1:**

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 26.2:**

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

**Item 26.3:**

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 26.4:**

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



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period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 26.5:

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 26.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 26.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The NOx (Oxides of Nitrogen) emissions are capped at 43.92 tons per year on a 12-month rolling basis to avoid New

Source Review Applicability of 6NYCRR Subpart 231-2. This figure is derived from the current facility capping of 21.42

tons per year plus the NEI of 22.5 tons per year, see bellow.

NEI = PEP + CEI - ERCs

NEI: The aggregate increase in emissions of a non attainment contaminant in tons per year at an existing major facility.

PEP: Project Emission Potential for the proposed source project =

= (NOx from the existing emergency generator U-0EGCP increase - the prior allowable) + [(NOx from prior allowable U-000CP boiler emissions + max PTE for U-GENCP: two cogeneration systems and one dual-use generator) - prior actual emission from boilers U000CP] =

= (5.1 -1.3) + ((21.42 + 19.92 + 1.74) - 20.7)

=

= 26.18



CEI: Creditable Emission Increase =

= any increase in emissions of a non attainment contaminant in tons per year from an emission unit at an existing facility, other than such an increase from the proposed source project.

= prior allowable NOx for existing three Central Plant boilers each rated at 63.0 MMBtu/hr and emergency generator, sources began operation in the summer 2003 =

$$= 21.42 + 1.7$$

$$= 23.12$$

ERCs: Emission Reduction Credits =

= any decrease in emission of a non attainment contaminant in ton per year, on or after 11/15/1990 =  
= reductions from five (5) Utility boilers which ceased operations July 31, 2003 and subsequently removed from site. Baseline period from 2001 and 2002 emissions =

$$= 47.65$$

$$NEI = 26.18 + 23.12 - 47.65 =$$

$$= 1.65$$

NEI is < 25 tons, therefore the facility is not subject to NSR.

The facility proposes to use 26.8 tons of ERCs for netting, resulting in an excess of 20.85 tons ERCs to be retained by the facility for future use.

$$\text{Therefore, } NEI = 26.18 + 23.12 - 26.8 = 22.5$$

The owner or operator shall maintain record of the quantity of fuel burned by the three Nebraska boilers each with heat input of 63.0 mmbtu/hr (emission sources 00CP1, 00CP2 and, 00CP3) the two cogeneration units (emission sources 00CG1 and 00CG2), the assist engine (emission source 0GEN1) as emergency and assist, the existing emergency generator (emission source EGEN1) not previously permitted and calculate the NOx emissions based on the type and quantity of fuel, burned using the following formula:



$$D(0.016) + G(72) + \text{COGEN} + \text{AE} + \text{EEG} < 43.92$$

tpy

Where:

For the three Nebraska boilers, emission sources 00CP1, 00CP2 and, 00CP3:

D = 12-month rolling total of distillate oil fired in gallons/yr.

G = 12-month rolling total of natural gas fired in MMSCF/yr.

0.016 = pound of NO<sub>x</sub> per gallon distillate oil fired. Emission factor is based on the 2016 stack test results.

72 = emission factor, pound of NO<sub>x</sub> per MMSCF. Emission factor is based on the 2016 stack test results.

For the two cogeneration units, emission sources 00CG1 and 00CG2:

$$\text{COGEN} = 00\text{CG1} + 00\text{CG2}$$

$$00\text{CG1} = (\text{hours of operation}) * (0.554 \text{ gr/bhp-hr}) * \text{bhp of the engine} * (1 \text{ lb} / 453 \text{ gr}) * (1 \text{ ton} / 2000 \text{ lbs})$$

$$00\text{CG2} = (\text{hours of operation}) * (1.250 \text{ gr/bhp-hr}) * \text{bhp of the engine} * (1 \text{ lb} / 453 \text{ gr}) * (1 \text{ ton} / 2000 \text{ lbs})$$

The values of 0.554 and 1.250 gr/bhp-hr are based on the 2016 stack test results.

For the assist engine (dual use engine), emission source 0GEN1:

$$\text{AE} = (\text{hours of operation}) * (3.797 \text{ gr/bhp-hr}) * \text{bhp of the engine} * (1 \text{ lb} / 453 \text{ gr}) * (1 \text{ ton} / 2000 \text{ lbs})$$

The value of 3.797 gr/bhp-hr are based on the 2016 stack test results.

For the existing emergency generator not previously permitted, emission source EGEN1:

Description

$$\text{EEG} = (\text{hours of operation}) * (\text{gallons of oil burned} / \text{hours of operation}) * 0.142 \text{ mmBtu/gallon} * 3.2 \text{ lbs/mmBtu} * (1 \text{ ton} / 2000 \text{ lbs})$$



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Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 43.92 tons per year  
Monitoring Frequency: MONTHLY  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2018.  
Subsequent reports are due every 12 calendar month(s).

**Condition 27: Air pollution prohibited**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 27.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 28: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

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

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: 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



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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 29: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

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

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

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. 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 30: Compliance Certification**



Effective between the dates of 11/29/2017 and 11/28/2022

Applicable Federal Requirement:6 NYCRR 225-1.5 (c)

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Measurements must be made daily of the rate of each fuel fired. The gross heat content and ash content of each fuel fired must be determined at least once each week. In the case of stationary combustion installations producing electricity for sale, the average electrical output and the hourly generation rate must also be measured.

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 31: Compliance Certification**

Effective between the dates of 11/29/2017 and 11/28/2022

Applicable Federal Requirement:6 NYCRR 225.7 (a)

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum, supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be



available for inspection by, or submitted to, the NYSDEC as per the stated reporting requirement.

Monitoring Frequency: PER DELIVERY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2018.  
Subsequent reports are due every 12 calendar month(s).

**Condition 32: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

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

**Item 32.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 32.2:**

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 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

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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  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2018.  
Subsequent reports are due every 6 calendar month(s).

**Condition 33: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (d)**

**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:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five year.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2018.  
Subsequent reports are due every 12 calendar month(s).

**Condition 34: Applicability**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII**

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**Item 34.1:**

This Condition applies to:

Emission Unit: EMRGEN  
Process: EMG                      Emission Source: EMRG1

Emission Unit: UGENCP  
Process: CF3                      Emission Source: 0GEN1

**Item 34.2:**

Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart III.

**Condition 35:      Compliance and Enforcement**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart III**

**Item 35.1:**

This Condition applies to:

Emission Unit: EMRGEN  
Process: EMG                      Emission Source: EMRG1

Emission Unit: UGENCP  
Process: CF3                      Emission Source: 0GEN1

**Item 35.2:**

The Department has not accepted delegation of 40 CFR Part 60 Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 60 Subpart III during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

**Condition 36:      Applicability**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ**

**Item 36.1:**

This Condition applies to:

Emission Unit: U000CP  
Process: 1CG                      Emission Source: 00CG1

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Emission Unit: U000CP

Process: 2CG

Emission Source: 00CG2

**Item 36.2:**

Facilities that have stationary spark ignition internal combustion engines must comply with applicable portions of 40 CFR 60 subpart JJJJ.

**Condition 37: Compliance and Enforcement**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ**

**Item 37.1:**

This Condition applies to:

Emission Unit: U000CP

Process: 1CG

Emission Source: 00CG1

Emission Unit: U000CP

Process: 2CG

Emission Source: 00CG2

**Item 37.2:**

The Department has not accepted delegation of 40 CFR Part 60 Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engine. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 60 Subpart JJJJ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

**Condition 38: Compliance Certification**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ**

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Three existing boilers of emission unit (EU): U-OOOCP  
fired on natural gas and No.2 fuel oil, each rated at 63  
MMBTU/hr.

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Five existing exempt boilers located in the Main Staff, Lowenstein, Conference Center, Health & Speech and Generator buildings fired on natural gas and No.2 fuel oil.

Three new exempt boilers rated at 4.3 MMBTU/hr and located in the Littauer building are fired on natural gas and No.2 fuel oil.

The owner or operator (the Permittee) is avoiding applicability of 40 CFR 63 Subpart JJJJJ "Industrial, Commercial, and Institutional Boilers Area Sources." (Subpart 6J). The Permittee is permitted to operate the above listed boilers on natural gas/No.2 fuel oil. Per 40 CFR 63.11195(e), these existing and new boilers are exempt from Subpart 6J because they are defined as gas-fired boiler(s) in 40 CFR 63.11237. In order to maintain this exemption, the Permittee is allowed to fire liquid fuel only during periods of gas curtailment, gas supply interruptions, startups, or for periodic testing on liquid fuel (periodic testing not to exceed a combined total of 48 hours during any calendar year).

The Permittee shall maintain records that document the time periods when liquid fuel is fired and the reasons the liquid fuel is fired.

If, the Permittee fires liquid fuel for reasons other than gas curtailment, gas supply interruptions, startups, or for periodic testing on liquid fuel, the Permittee is no longer exempt from Subpart JJJJJ. As required by 40 CFR 62.11225(g), the Permittee must provide notice within 30 days of the fuel switch. The notification must identify:

- i. The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, and the date of the notice.
- ii. The date upon which the fuel switch occurred.

As required by 40 CFR 63.11210(h), the Permittee must demonstrate compliance with the Subpart JJJJJ requirements within 180 days of the effective date of the fuel switch.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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





**Condition 39: Applicability**  
Effective between the dates of 11/29/2017 and 11/28/2022

**Applicable Federal Requirement:40CFR 63, Subpart ZZZZ**

**Item 39.1:**

This Condition applies to:

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG2

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG3

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG4

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG5

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG6

**Item 39.2:**

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

**Condition 40: Compliance and Enforcement**  
Effective between the dates of 11/29/2017 and 11/28/2022

**Applicable Federal Requirement:40CFR 63, Subpart ZZZZ**

**Item 40.1:**

This Condition applies to:

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG2

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG3

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG4

Emission Unit: EMRGEN  
Process: EMG Emission Source: EMRG5

Emission Unit: EMRGEN



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**Condition 42: Emission Point Definition By Emission Unit**  
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**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 42.1:**

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

Emission Unit: U-000CP

Emission Point: 000CP

Height (ft.): 135

Diameter (in.): 96

NYTMN (km.): 4513.

NYTME (km.): 608.9

Building: CENTRAL

**Item 42.2:**

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

Emission Unit: U-GENCP

Emission Point: 000G1

Height (ft.): 42

Diameter (in.): 16

NYTMN (km.): 4512.277

NYTME (km.): 609.032

Building: CENTRAL

**Item 42.3:**

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

Emission Unit: U-OEGCP

Emission Point: 00EG1

Height (ft.): 42

Diameter (in.): 16

NYTMN (km.): 4512.277

NYTME (km.): 609.032

**Condition 43: Process Definition By Emission Unit**  
Effective between the dates of 11/29/2017 and 11/28/2022

**Applicable Federal Requirement:6 NYCRR Subpart 201-6**

**Item 43.1:**

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

Emission Unit: E-MRGEN

Process: EMG

Source Classification Code: 2-03-001-01

Process Description: Diesel #2 oil

Emission Source/Control: EMRG1 - Combustion

Design Capacity: 2,000 kilowatts

Emission Source/Control: EMRG2 - Combustion

Design Capacity: 725 kilowatts

Emission Source/Control: EMRG3 - Combustion

Design Capacity: 725 kilowatts

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Emission Source/Control: EMRG4 - Combustion  
Design Capacity: 725 kilowatts

Emission Source/Control: EMRG5 - Combustion  
Design Capacity: 725 kilowatts

Emission Source/Control: EMRG6 - Combustion  
Design Capacity: 400 kilowatts

**Item 43.2:**

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

Emission Unit: U-000CP  
Process: 1CF Source Classification Code: 1-03-005-02  
Process Description: FIRING NUMBER 2 FUEL OIL.

Emission Source/Control: 00CP1 - Combustion  
Design Capacity: 63 million Btu per hour

**Item 43.3:**

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

Emission Unit: U-000CP  
Process: 1CG Source Classification Code: 2-03-002-04  
Process Description: FIRING NATURAL GAS.

Emission Source/Control: 00CG1 - Combustion  
Design Capacity: 1,426 kilowatts

Emission Source/Control: 01CG1 - Control  
Control Type: CATALYTIC OXIDATION

**Item 43.4:**

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

Emission Unit: U-000CP  
Process: 2CF Source Classification Code: 1-03-005-02  
Process Description: FIRING NUMBER 2 FUEL OIL.

Emission Source/Control: 00CP2 - Combustion  
Design Capacity: 63 million Btu per hour

**Item 43.5:**

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

Emission Unit: U-000CP  
Process: 2CG Source Classification Code: 2-03-002-04  
Process Description: FIRING NATURAL GAS.

Emission Source/Control: 00CG2 - Combustion  
Design Capacity: 1,426 kilowatts



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Emission Source/Control: 01CG2 - Control  
Control Type: CATALYTIC OXIDATION

**Item 43.6:**

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

Emission Unit: U-000CP  
Process: 3CF Source Classification Code: 1-03-005-02  
Process Description: FIRING NUMBER 2 FUEL OIL.

Emission Source/Control: 00CP3 - Combustion  
Design Capacity: 63 million Btu per hour

**Item 43.7:**

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

Emission Unit: U-000CP  
Process: 3CG Source Classification Code: 1-03-006-02  
Process Description: FIRING NATURAL GAS.

Emission Source/Control: 00CP1 - Combustion  
Design Capacity: 63 million Btu per hour

Emission Source/Control: 00CP2 - Combustion  
Design Capacity: 63 million Btu per hour

Emission Source/Control: 00CP3 - Combustion  
Design Capacity: 63 million Btu per hour

**Item 43.8:**

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

Emission Unit: U-GENCP  
Process: CF3 Source Classification Code: 2-03-001-01  
Process Description: Firing No. 2 oil.

Emission Source/Control: 0GEN1 - Combustion  
Design Capacity: 2,000 kilowatts

**Item 43.9:**

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

Emission Unit: U-OEGCP  
Process: ECF Source Classification Code: 2-03-001-01  
Process Description: Firing no. 2 fuel oil.

Emission Source/Control: EGEN1 - Combustion  
Design Capacity: 2,000 kilowatts

**Condition 44: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**



**Applicable Federal Requirement:6 NYCRR 227-2.6 (c)**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Regulated Contaminant(s):

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

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mid size boilers, emission sources 00CP1, 00CP2, 00CP3 burning oil/gas subject to section 227-2.4(c)(1)(ii) meet the NOx emission limit of 0.08 pounds NOx per million Btu on or after July 1, 2014, may commit to burning a cleaner fuel between May 1st and September 30th of each year. Fuel switching must result in quantifiable annual NOx emissions equal to or less than the NOx emissions expected if the emission source complied with the applicable presumptive RACT emission limits set forth in section 227-2.4(c)(1)(ii) of 0.08 pounds NOx per million Btu

The applicant is proposing to use the 2016 stack test results of these sources and limit the use of oil to 15% of the time, on an hourly basis, or less as follows:

$0.072 \text{ lbs/mmbtu} * \% \text{ time operating on gas} + 0.120 \text{ lbs/mmbtu} * \% \text{ time operating on distillate oil} = \text{or} < 0.08 \text{ lbs/mmbtu}$

Where 0.072 lbs/mmbtu of NOx and 0.120 lbs/mmbtu of NOx were the highest 2016 stack test results operating on gas and oil respectively.

The applicant shall maintain on a daily basis the hours of operation of these emission sources operating on gas and on oil and calculate using the above formula the NOx emissions limit.

Emission test requirements. The owner or operator of the emission sources mentioned above is required to conduct an emission test using natural gas and distillate oil and must:

(1) submit a compliance test protocol to the department



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Within 180 days of the issuance of the Title V Permit, the owner/operator shall submit to the department a plan showing how compliance with the particulates emissions limit is achieved.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 2-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 46: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement: 40CFR 60.48c(a), NSPS Subpart Dc**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE





Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 47: Compliance Certification**  
Effective between the dates of 11/29/2017 and 11/28/2022

**Applicable Federal Requirement:40CFR 60.48c(c), NSPS Subpart Dc**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each coal-fired, oil-fired, or wood-fired affected facility subject to the opacity limits under 40 CFR 60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 48: Compliance Certification**  
Effective between the dates of 11/29/2017 and 11/28/2022

**Applicable Federal Requirement:40CFR 60.48c(f)(1), NSPS Subpart Dc**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel supplier certification shall include the following information for distillate oil:

- i) The name of the oil supplier, and
- ii) A statement from the oil supplier that the oil complies with the specifications under the definition of

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distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.

iii) The sulfur content or maximum sulfur content of the oil.

Monitoring Frequency: PER DELIVERY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2018.  
Subsequent reports are due every 6 calendar month(s).

**Condition 49: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.48c(g), NSPS Subpart Dc**

**Item 49.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

**Item 49.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2018.  
Subsequent reports are due every 6 calendar month(s).

**Condition 50: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.48c(i), NSPS Subpart Dc**

**Item 50.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

**Item 50.2:**  
Compliance Certification shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record, for determining compliance with the NSPS requirements.

**\*\* NOTE\*\*** Records shall be maintained for a minimum of five years to achieve compliance with the requirements of Title V.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

**Condition 51: Reporting period**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.48c(j), NSPS Subpart Dc**

**Item 51.1:**

This Condition applies to Emission Unit: U-000CP

**Item 51.2:** The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period

**Condition 52: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.42c(d), NSPS Subpart Dc**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Process: 1CF

Emission Source: 00CP1

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance

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test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.5 percent by weight  
Monitoring Frequency: PER DELIVERY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2018.  
Subsequent reports are due every 6 calendar month(s).

**Condition 53: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:6 NYCRR 227-2.4 (d)**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP  
Process: 1CG Emission Source: 00CG1

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:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 10/30/2018.  
Subsequent reports are due every 12 calendar month(s).

**Condition 54: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.42c(d), NSPS Subpart Dc**

**New York State Department of Environmental Conservation**

Permit ID: 2-6307-00290/00001

Facility DEC ID: 2630700290



**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Process: 2CF

Emission Source: 00CP2

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

**Condition 55: Compliance Certification**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement: 6 NYCRR 227-2.4 (d)**

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Process: 2CG

Emission Source: 00CG2

Regulated Contaminant(s):

CAS No: 0NY210-00-0

OXIDES OF NITROGEN

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform



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**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Emission Point: 000CP

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - date and time of day
  - observer's name
  - identity of emission point
  - weather condition
  - was a plume observed?

Incident weather conditions shall be recorded for those days when observations are prohibited. This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the



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top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Reference Test Method: EPA Method 9

Monitoring Frequency: DAILY

Averaging Method: ONE CONTINUOUS 6-MINUTE PERIOD PER HOUR

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

**Condition 58: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:6 NYCRR 227-2.5 (a)**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Emission Point: 000CP

Regulated Contaminant(s):

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

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Mid size boilers, emission sources 00CP1, 00CP2, 00CP3 burning oil/gas subject to section 227-2.4(c)(1)(ii) meet the NOx emission limit of 0.08 pounds NOx per million Btu on or after July 1, 2014, may commit to burning a cleaner fuel between May 1st and September 30th of each year. Fuel switching must result in quantifiable annual NOx emissions equal to or less than the NOx emissions expected if the emission source complied with the applicable presumptive RACT emission limits set forth in section 227-2.4(c)(1)(ii) of 0.08 pounds NOx per million Btu

The applicant is proposing to use the 2016 stack test results of these sources and limit the use of oil to 15%



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of the time, on an hourly basis, or less as follows:

0.072 lbs/mmbtu \* 85% minimum time operating on gas +  
0.120 lbs/mmbtu \* 15% max time operating on distillate oil  
= or < 0.08 lbs/mmbtu

Where 0.072 lbs/mmbtu of NO<sub>x</sub> and 0.120 lbs/mmbtu of NO<sub>x</sub> were the highest 2016 stack test results, operating on gas and oil respectively.

The applicant shall maintain on a daily basis the hours of operation of these emission sources operating on gas and on oil and calculate using the above formula the NO<sub>x</sub> emissions limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

**Condition 59: Enforceability of particulate matter and opacity standards.**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.43c(d), NSPS Subpart Dc**

**Item 59.1:**

This Condition applies to Emission Unit: U-000CP Emission Point: 000CP  
Process: 1CF

**Item 59.2:**

The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

**Condition 60: Compliance Certification**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.43c(c), NSPS Subpart Dc**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP  
Process: 1CF

Emission Point: 000CP  
Emission Source: 00CP1

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**Item 60.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

**Condition 61: Compliance Certification**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.44c(h), NSPS Subpart Dc**

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Emission Point: 000CP

Process: 1CF

Emission Source: 00CP1

**Item 61.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

THE FACILITY OWNER AND/OR OPERATOR MUST DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS OF 40 CFR 60.42c(h). FACILITIES DEMONSTRATING COMPLIANCE USING THE FUEL SUPPLIER CERTIFICATION, FOR SULFUR-IN-FUEL LIMITATIONS (BASED ON A PERCENT BY WEIGHT OF SULFUR IN THE FUEL), SHALL SUBMIT THE CERTIFICATION IN



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ACCORDANCE WITH THE PROVISIONS OF 40 CFR  
60.48c(f)(1), (2), AND (3), AS  
APPLICABLE.

Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.5 percent by weight  
Monitoring Frequency: SINGLE OCCURRENCE  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 62: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

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

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP                      Emission Point: 000CP  
Process: 1CG                                      Emission Source: 00CG1

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

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to stationary internal combustion engines that have a maximum mechanical output rating equal to or greater than 200 brake horsepower in a severe ozone nonattainment area or 400 brake horsepower outside a severe ozone nonattainment area and are fired by natural gas. The owner or operator is required to submit a compliance testing protocol to the department for approval at least 30 days prior to testing. The owner or operator will maintain all records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 1.5 grams per brake horsepower-hour  
Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 1-HOUR AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2018.  
Subsequent reports are due every 6 calendar month(s).

**Condition 63: Enforceability of particulate matter and opacity standards.**  
**Effective between the dates of 11/29/2017 and 11/28/2022**



**Applicable Federal Requirement:40CFR 60.43c(d), NSPS Subpart Dc**

**Item 63.1:**

This Condition applies to Emission Unit: U-000CP Emission Point: 000CP  
Process: 2CF

**Item 63.2:**

The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

**Condition 64: Compliance Certification**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.43c(c), NSPS Subpart Dc**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP  
Process: 2CF

Emission Point: 000CP  
Emission Source: 00CP2

**Item 64.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

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**Condition 65: Compliance Certification**  
Effective between the dates of 11/29/2017 and 11/28/2022

**Applicable Federal Requirement: 40CFR 60.44c(h), NSPS Subpart Dc**

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Emission Point: 000CP

Process: 2CF

Emission Source: 00CP2

**Item 65.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

THE FACILITY OWNER AND/OR OPERATOR MUST DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS OF 40 CFR 60.42c(h). FACILITIES DEMONSTRATING COMPLIANCE USING THE FUEL SUPPLIER CERTIFICATION, FOR SULFUR-IN-FUEL LIMITATIONS (BASED ON A PERCENT BY WEIGHT OF SULFUR IN THE FUEL), SHALL SUBMIT THE CERTIFICATION IN ACCORDANCE WITH THE PROVISIONS OF 40 CFR 60.48c(f)(1), (2), AND (3), AS APPLICABLE.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 66: Compliance Certification**  
Effective between the dates of 11/29/2017 and 11/28/2022

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

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Emission Point: 000CP

Process: 2CG

Emission Source: 00CG2

Regulated Contaminant(s):

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

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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Facility DEC ID: 2630700290



**Monitoring Description:**

This condition applies to stationary internal combustion engines that have a maximum mechanical output rating equal to or greater than 200 brake horsepower in a severe ozone nonattainment area or 400 brake horsepower outside a severe ozone nonattainment area and are fired by natural gas. The owner or operator is required to submit a compliance testing protocol to the department for approval at least 30 days prior to testing. The owner or operator will maintain all records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.5 grams per brake horsepower-hour

Reference Test Method: 40 CFR 60 Appendix A - Method 7, 7E, or 19

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

**Condition 67: Enforceability of particulate matter and opacity standards.**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.43c(d), NSPS Subpart Dc**

**Item 67.1:**

This Condition applies to Emission Unit: U-000CP Emission Point: 000CP  
Process: 3CF

**Item 67.2:**

The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

**Condition 68: Compliance Certification**

**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.43c(c), NSPS Subpart Dc**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP  
Process: 3CF

Emission Point: 000CP  
Emission Source: 00CP3

**Item 68.2:**



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Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2018.

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

**Condition 69: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement:40CFR 60.44c(h), NSPS Subpart Dc**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-000CP

Emission Point: 000CP

Process: 3CF

Emission Source: 00CP3

**Item 69.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

THE FACILITY OWNER AND/OR OPERATOR MUST DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS OF 40 CFR 60.42c(h). FACILITIES DEMONSTRATING COMPLIANCE USING THE FUEL SUPPLIER CERTIFICATION, FOR SULFUR-IN-FUEL LIMITATIONS (BASED ON A PERCENT BY WEIGHT OF SULFUR IN THE FUEL), SHALL SUBMIT THE CERTIFICATION IN ACCORDANCE WITH THE PROVISIONS OF 40 CFR 60.48c(f)(1), (2), AND (3), AS

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APPLICABLE.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 70: Compliance Certification**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable Federal Requirement: 6 NYCRR 227-2.5 (c)**

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-GENCP

Emission Point: 000G1

Process: CF3

Emission Source: 0GEN1

Regulated Contaminant(s):

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

**Item 70.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Based on the June 20, 2007 and updated on May 30, 2017 NOx RACT variance request due to economic and technological reasons, an alternative RACT emission limit of 6.5 grams per brake horsepower-hr has been approved by the department. Based on stack test results a request to amend this limit to 6.5 gr/bhp-hr was made on June 26, 2009, and May 30, 2017 and approved by this permit.

Stack testing will be required in order to demonstrate compliance with the regulatory standard. The owner or operator must submit a stack test protocol to the Department for approval prior to testing. The owner or operator shall submit stack test results, to the Department for approval, within 60 days of stack test completion.

Upper Permit Limit: 6.5 grams per brake horsepower-hour

Reference Test Method: EPA

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION





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

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

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

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

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

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

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

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

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

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

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

**Item B: 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





(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 73: Visible Emissions Limited**  
**Effective between the dates of 11/29/2017 and 11/28/2022**

**Applicable State Requirement: 6 NYCRR 211.2**

**Item 73.1:**

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.