PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6204-00059/00001
Effective Date: 05/12/2019 Expiration Date: 05/11/2024

Permit Issued To:
MOUNT SINAI MEDICAL CENTER
1 GUSTAVE L LEVY PL
NEW YORK, NY 10029-6504

Contact: SALVATORE J TRANCHINA
MOUNT SINAI MEDICAL CENTER
1 GUSTAVE L LEVY PL
NEW YORK, NY 10029
(212) 659-9045

Facility: MOUNT SINAI HOSPITAL
1 GUSTAVE L LEVY PL/1450 MADISON AVE
NEW YORK, NY 10029

Contact: MARK A MATTHEWS, SR
MOUNT SINAI MEDICAL ENVIRONMENTAL HEALTH & SAFETY
ONE GUSTAVE L LEVY PLACE BOX 1091
NEW YORK, NY 10029
(212) 241-5909

Description:

PERMIT DESCRIPTION
Mount Sinai Hospital
DEC ID # 2-6204-00059/00001 ATV (Ren 3)

Application for renewal of Air Title V Facility.

The facility operates 6 boilers (Emission Unit U-B0001) and 16 emergency diesel generator engines of various capacity and age.

This permit renewal involves the facility adding four (4) new Caterpillar CAT 3512C electric generators participating in the Coordinated Demand Response Program (CDRP) and each is limited to operating 200 hrs/yr, and removing four (4) Caterpillar D-399 1308 HP (976 KW) emergency generators (#1, 2, 3 & 4) out of the 16 emergency generators from the Annenbarg Pavillion Building. Each of the four new Caterpillar CAT 3512C electric generator is rated at 2206 brp-hr or 1500 electrical kilowatts (EKW). These new generators will fire ultra-low sulfur diesel fuel oil (Process ENG). Considered emergency power generating units for emergency response incidents, the facility plans to enroll each engine in a Coordinated Demand Response Program (CDRP). Consequently, the new engines are not considered emergency power generating units per 6 NYCRR Part 201-3.2 (c) and NYCRR Part 200.1 (cq). The four...
new generators (Emission Sources: ENG01, ENG02, ENG03 & ENG04) are defined in new Emission Unit U-CDRP, each generator's emissions will exhaust through its own stack, identified as Emission Points: EPTG1, EPTG2, EPTG3 & EPTG4 after firing diesel fuel oil (Process ENG).

While the facility is committing to operate each new electric generator no more than 200 hours annually, the facility plans to register the four (4) new electric generators in the CDRP (Coordinated Demand Response Program). Therefore, the four (4) new engines are identified as an additional emission unit (U-CDRP) with four (4) emission sources identified as ENG01, ENG02, ENG03 & ENG04.

The four (4) new electrical generators will be installed on the roof of the Klingenstein Clinical Center (KCC) building inside an outdoor enclosure located at 1450 Madison Avenue, New York, NY 10029. The KCC building is about 100 feet above grade with nine floors above ground level. The generators will be capable of providing power to the contiguous building of the Mount Sinai Medical Center (MSMC). Each generator will have its own stack for emitting flue gases to the atmosphere. The height of each stack exit will be about 25 feet above the KCC building roof elevation, approximately 125 feet above grade level.

Initial construction for the engines is conceptually planned for September 1, 2018 with initial operation about July 31, 2019.

Each of the four (4) new Caterpillar 3512C electrical generators of the CDRP engine is classified as a compression ignition (CI) 4-stroke lean-burn stationary reciprocating internal combustion engine - CI 4S LB RICE and 2018 Model year. Each engine has 12 cylinders; and each cylinder is 4.317 liters. The cylinders are 6.7 inch bore X 7.5 inches stroke, and the displacement is less than 10 liters per cylinder.

Each engine is classified as Tier 2 emission ratings as follows:

CO - 2.6 grams per bhp-hr,
NMHC + NOx 4.8 grams per bhp-hr, and
PM - 0.15 grams per bhp-hr.

The two EPA NSPS regulations applicable to MSMC's new electric generator engines are 40 CFR 60 Subpart III and 40 CFR 63 Subpart ZZZZ. Subpart III, 60.4204 (non-emergency engines), stipulates a Tier 2 emission rate for 2007 model engines and later engines and later engines with displacement less than 30 liters per cylinder. The MSMC is subject to Subpart ZZZZ as an area source. According to 60.6590, the installation of the Caterpillar engines is new because the construction date is after June 12, 2006; and meets the requirements of Subpart ZZZZ by meeting the requirements of Subpart III.

Since a peak shaving/CDRP unit is not an emergency power generator unit, it is not an exempt source. NYSDEC regulation 6 NYCRR 227-2.4 (f), Control Requirements for Stationary internal combustion engines, stipulates the presumptive NOx RACT.
Facility DEC ID: 2620400059

emission limit of 2.3 grams per brake horsepower-hour (bhp-hr), for engines with a maximum mechanical output rating equal to or greater than 200 bhp in a severe ozone non-attainment area or a rating equal to or greater than 400 bhp outside a severe ozone non-attainment area. NYS DEC regulation 6 NYCRR 227-2.3 (c) provides for a case-by-case RACT proposal NYS DEC Regulation 6 NYCRR 227-2.5 Compliance options, (c) allows demonstration that the presumptive RACT emission limit is not economically or technically feasible and a request for a higher specific limit may be submitted. The application includes alternate post combustion technology of selective catalytic reduction (SCR) for enhanced NOx emission reduction. Based upon this NOx RACT analysis, MSMC is not considering the installation of SCR control technology because the lowest cost-effectiveness is about $25,000 per ton of NOx emission reduction, which exceeds the current threshold of $8,500 per ton of NOx emission reduction.

These engines are subject to the NOx RACT, 6 NYCRR 227-2. The facility has submitted a NOx RACT analysis in accordance with Part 227-2.5 and a proposal for an alternative compliance option, with a NOx emission limit of 5.48 grams per bhp-hr instead of 2.3 grams per bhp-hr based upon unfavorable economics associated with the NOx emission reduction of SCR. This project is not applicable to New Source Review, 6 NYCRR 231-2 based upon limiting the operating hours of each engine to 200 hours annually.

Mount Sinai Hospital is proposing an alternative NOx RACT emission limit of 5.48 grams per brake horsepower-hr instead of the presumptive 2.3 grams per brake horsepower-hour (bhp-hr), for engines with a maximum mechanical output rating equal to or greater than 200 bhp in a severe ozone non-attainment area.

The Caterpillar Model 3512C Generator Set performance data, lists the NOx emission rate at 100% load, and nominal rated engine speed at 1800 rpm at 5.48 grams per bhp-hr. At 75% load, the NOx emission rate is stated at 3.68 grams per bhp-hr. The Caterpillar 3512C specification sheet states the engine's emissions are equivalent to US EPA's Tier 2 rates.

The permit renewal addresses the requirements of Subpart 231-6 with the inclusion of a "netting analysis: required by 86 NYCRR 231-6.2. The Part 231 analysis is included as part of the permit renewal. The Part 231 analysis for the air contaminant of concern is NOx. The NEI (based on PTE calculations) is 10.65 tons per year, which is less than the SNEIT of 25 tons per year. Therefore, New Source Review is not applicable (Work sheet WS-3B). LAER and emission off-sets are not required. The PEP/NEI NOx emission rate for the four electric generators is achieved based on the manufacturer's stipulated NOx emission rate of 5.48 grams of NOx per bhp-hr by limiting the annual hours of operation for each engine to 200.

MSMC currently operates its six (6) boilers under Renewal #2 Title V facility air permit that is due to expire on 5/12/2019. The permit identifies two emission units, U-B0001 and U-C0001. Emission Unit U-B0001 consists of six (6) Victory Energy Voyager Series boilers. These are newly constructed boilers replacing the old five (5)
boilers in Emission Unit U-C0001, four of which were Combustion Engineering boilers. In September, 2014, the facility notified NYSDEC concerning the installation of another emergency generator (755 Hp). The facility currently operates sixteen (16) emergency generators. The emergency generators are exempt combustion sources from permitting according to 6 NYCRR 201-3.2 (c) (6), which defines an exempt activity as "emergency power generation stationary internal combustion engines as defined in 6 NYCRR 200.1 (cq): Emergency power generating stationary internal combustion engine is a stationary internal combustion engines that operates ...only when the supply of power is unavailable and operates no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour weekly to ensure reliability). A stationary internal combustion engine use for peak shaving generation or in a coordinated demand response program (CDRP is not an emergency power unit).

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.
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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
Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: MOUNT SINAI MEDICAL CENTER
1 GUSTAVE L LEVY PL
NEW YORK, NY 10029-6504

Facility: MOUNT SINAI HOSPITAL
1 GUSTAVE L LEVY PL | 1450 MADISON AVE
NEW YORK, NY 10029

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

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12 6  6 NYCRR 201-6.4 (c): Compliance Certification
14 7  6 NYCRR 202-2.1: Compliance Certification
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16 10 6 NYCRR 200.7: Maintenance of Equipment
16 11 6 NYCRR 201-1.7: Recycling and Salvage
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18 18 6 NYCRR 202-1.1: Required Emissions Tests
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27 27 6 NYCRR 202-1.3: Acceptable procedures
28 28 6 NYCRR 211.2: Visible Emissions Limited
28 29 6 NYCRR 225-1.2 (h): Compliance Certification
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46 38 40 CFR 60.4, NSPS Subpart A: EPA Region 2 address.
46 39 40 CFR 60.40c, NSPS Subpart Dc: Compliance Certification
48 40 40 CFR 60.46c(d)(2), NSPS Subpart Dc: Compliance Certification
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49 42 40 CFR 60, NSPS Subpart III: Compliance Certification
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Air Pollution Control Permit Conditions
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Air Pollution Control Permit Conditions

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Division of Air Resources

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
77 ECL 19-0301: Contaminant List
78 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
79 6 NYCRR 211.1: Air pollution prohibited

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
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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 6:** Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

**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 – Air Compliance Branch
USEPA Region 2 DECA/ACB
290 Broadway, 21st Floor
New York, NY 10007

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:
Condition 7: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

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

Condition 8: Recordkeeping requirements
Effective between the dates of 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

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
Condition 17: Off Permit Changes
Effective between the dates of 05/12/2019 and 05/11/2024

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

Item 17.1:
No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

Condition 18: Required Emissions Tests
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR 202-1.1

Item 18.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40 CFR Part 68

Item 19.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:
a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

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

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

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

**Condition 20: Recycling and Emissions Reduction**

**Effective between the dates of 05/12/2019 and 05/11/2024**

**Applicable Federal Requirement:** 40 CFR 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: Compliance Certification**

**Effective between the dates of 05/12/2019 and 05/11/2024**

**Applicable Federal Requirement:** 6 NYCRR 201-3.2 (c)

**Item 21.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U--CDRP  Process: ENG  Emission Point: EPTG4
Process: ENG  Emission Source: ENG04

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

Item 21.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Monitor and record the hours of operation and fuel consumption on an annual calendar basis for each of the four (4) new Caterpillar Model 3512C electric engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP, located on the roof of the Klingenstein Clinical Center (KCC) building.

The four 2206 bhp-hr or 1500 Kilowatts new electric generators will be installed inside an outdoor enclosure on the roof of the Klingenstein Clinical Center (KCC) building located at 1450 Madison Avenue, New York, NY 10029.

The limit of the hours of operation for each of the four (4) new Caterpillar Model 3512C electric engine generators is 200 per year.

Work Practice Type: HOURS PER YEAR OPERATION
Manufacturer Name/Model Number: Caterpillar Model 3512C
Upper Permit Limit: 200  hours
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2020.
Subsequent reports are due every 12 calendar month(s).

Condition 22:  Emission Unit Definition
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 22.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-B0001
Emission Unit Description:
Emission Unit U-B0001 consists of a total of six (6) Victory Energy Voyager Series boilers, four are identical boilers (Emission Sources BLR01, BLR02, BLR03 & BLR04) and the other two are identical boilers (Emission Sources BLR05 & BLR06). All six boilers have corresponding Low
NOx Burners (LNB), Flue Gas Recirculation (FGR) Emission Controls - BRLC1, BRLC2, BRLC3, BRLC4, BRLC5 & BRLC6; respectively to meet the new lower NOx emission limit of 0.08 lb NOx per million BTU heat input for "midsize" boilers firing distillate oil or natural gas on or after July 1, 2014 under the NOx RACT 6 NYCRR 227-2. The first four boilers (Emission Sources BLR01, BLR02, BLR03 & BLR04) are identical and are replacement boilers with a nominal rated heat input capacity of 60 MM Btu/hr and 50,000 pounds/hr of steam each. The other two boilers (Emission Sources BLR05 & BLR06) are identical boilers, with a nominal rated heat input capacity of 95 MM Btu/hr and 80,000 pounds/hr of steam each, that are being refurbished. The old six boilers (Emission Unit U-C0001) are being replaced or refurbished with six boilers (Emission Uni U-B0001) that comply with the new lower emission rates under the NOx RACT 6 NYCRR 227-2. Boilers #1, 2, 3 and #4 will burn natural gas (Process G41) as the primary fuel, and #2 fuel oil (Process O41) as the back-up fuel. Also, Boiler #5 & #6 will burn natural gas (Process G65) as the primary fuel, and #2 fuel oil (Process O65) as the back-up fuel. Emissions from all of the six boilers are exhausted through one common stack, which is identified as Emission Point B0001, with a top elevation at the existing level as recent plume modeling indicated a 30 feet higher elevation is not necessary.

The installation of the new replacement Victory Energy Voyager Series boilers, Boilers #1, #2, #3 & #4 maintains the nominal capacity of each of these four boilers at 60.3 million Btu of heat input per hour when firing natural gas and 57.6 million Btus of heat input when firing distillate fuel oil. Each of these four boilers is designed for a maximum saturated steam flow rate of 50,000 pounds per hour at 125 psig. The modification of Boilers #5 and #6 maintains the nominal capacity of each existing boiler at 95 million Btus of heat input per hour and the maximum saturated steam flow rate of 80,000 pounds per hour at 125 psig.

During the term of the renewed permit, the facility will operate only the boilers in Emission Unit U-B0001. All of the old boilers comprising Emission Unit U-C0001 of the Title V renewal #2 have been removed from the site. The sixth and the last new Victory energy boiler with Low NOx Burners, Flue Gas Recirculation Emission Controls - BRLC1, BRLC2, BRLC3, BRLC4 & BRLC5 - Boiler #2 (Emission Source BLR02) rated at 60 MM Btu/hr heat input will be placed into operation in early 2019. All the other five boilers, Emission Sources BLR01, BLR03 & BLR04 (each rated at 60 MM Btu/hr heat input (50,000 lbs steam per hour); and Emission Sources BLR05 & BLR06 (each rated at 95 MM Btu/hr heat input (80,000 lbs steam per hour) with their
corresponding Low NOx Burners, Flue Gas Recirculation
Emission Controls as BLRC5 & BLRC6 are in operation.

After modification of Boilers #5 & #6, and the installation of the new replacement boilers, Boilers #1, #2, #3 & #4, the primary and secondary fuels will be natural gas and distillate fuel oil; respectively. The boiler plant design concept is the typical "N+1" for hospital facilities. The facility demand is met by Boilers #5 & #6 and three of the four boilers #1 - #4. The maximum total steam output from five of the six installed boilers is 310,000 lbs per hour and the corresponding maximum heat input is 370 MM Btu/hr.

Building(s): ANNENBERG

Item 22.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-CDRP
Emission Unit Description:
Emission Unit U-CDRP consists of four 2206 bhp-hr or 1500 Kilowatts new electric generators that will be installed inside an outdoor enclosure on the roof of the Klingenstein Clinical Center (KCC) building located at 1450 Madison Avenue, New York, NY 10029. Each generator is a Caterpillar Model 3512C engine rated at 2206 brake horsepower (bhp-hr) and 1500 electrical kilowatts (EKW), and will fire distillate (diesel) fuel oil at 100 % load. Each of the four new Caterpillar CAT 3512C electric generator is rated at 2206 brp-hr or 1500 electrical killowatts (EKW) and is a 2018 model year with Tier II emission rates. The generators will provide emergency power to the MSMC complex and be integrated into a Coordinated Demand Response Program (CDRP). The KCC building roof elevation is about 100 feet above grade level and each generator will have its own stack (Emission Points EPTG1, EPTG2, EPTG3 and EPTG4) with the exit about 25 feet above the roof level, about 125 feet above the ground level. Each engine will be restricted to operate only 200 hours per year. The four engines are identified as Emission Sources ENG01, ENG02, ENG03 and ENG04, and each generator will have its own stack, Emission Points (EPTG1, EPTG2, EPTG3 and EPTG4); respectively in Emission Unit U-CDRP. The calculated PTE rate is the total for the four engines.

Building(s): KCC

Condition 23: Progress Reports Due Semiannually
Effective between the dates of 05/12/2019 and 05/11/2024
Applicable Federal Requirement: 6 NYCRR 201-6.4 (d) (4)

Item 23.1:
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 24: Non Applicable requirements
Effective between the dates of 05/12/2019 and 05/11/2024

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

Item 24.1:
This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6 NYCRR Subpart 231-6
Reason: Regulatory Applicability of New Source Review in a Non-Attainment area to the Mount Sinai Hospital:

The project is to start construction as soon as this permit is issued (7/15/2018) and start operation on 1/15/2019. The contemporaneous period is defined from 1/15/2015 to 1/15/2019. The NEI is the sum of the PEP Project Emission Potential) and contemporaneous period sum of NOx emission increases and decreases.

The facility is adding 4 new Caterpillar CAT 3512C electric generators (Emission Sources: ENG01, ENG02, ENG03 & ENG04) participating in the CDRP and each is limited to operating 200 hrs/yr, and removing 4 Caterpillar D399 emergency generators (#1, 2, 3 & 4) out of the 16 emergency generators in the Annenberg Pavillion Building. Each of the 4 new Caterpillar CAT 3512C is 2206 brp-hr or 1500 electrical kilowatts (EKW).

The NOx actual emissions from the removal of 4 emergency generators =

\[\sqrt{(4) \times (0.32 \text{ lb/MM Btu}) \times \sqrt{(3.3 \text{ MM Btu/hr}) \times (500 \text{ hrs/yr})} \sqrt{2000 \text{ lbs/ton}}} = 10.66 \text{ tpy} \]
Based on NOx emissions of 5.48 grams/bhp-hr and 2206 hp, the NOx PTE based on the new added engine manufacturer and 200 hrs/yr operation cap = (4) (2.665 tpy) = 10.65 tpy NOx

The PTE NOx rates for the new Victory boilers (8760 hrs/yr) is 129.65 tpy. The NOx rate is based upon the New NOx RACT presumptive rate for "mid-size" boilers firing natural gas and distillate fuel oil, which is 0.08 lbs/MM Btu heat input rating of the Victory boilers.

The facility's existing PTE rates encompass emissions from the new boilers, the last of which being installed in 2018 and 16 emergency generators.

The composite PTE NOx rate for the 16 emergency generators is 52 tpy, which is based on EPA AP-42 emission factors and the ratings of the engines.

\[
\text{PTE of NOx in EU:U-B0001 + PTE of NOx of 16 Emergency generators} = 129.6 \text{ tpy} + 52 \text{ tpy} = 181.5 \text{ tpy}
\]

The facility's existing PTE rate for NOx = 181.5 tpy

The Facility's Emission Potential Calculations of NOx:

The Project's NOx PTE emissions is the sum of the PTE for the 4 new Caterpillar CAT 3512C electric generators based on 200 hrs/yr and the Victory boiler, minus the NOx PTE of the 4 Caterpillar D399 emergency generators based on 500 hrs/yr.

The Net Emission Increase (NEI) has to be < Significant Emission increase (SNEIT) of 25 tpy NOx for this project.

\[
\text{NEI} = \text{NOx emissions from the 4 Caterpillar CAT 3512C CDRP engines} - \text{NOx emissions from the 4 Caterpillar D-399 1308 HP (976 KW) emergency generators (#1, 2, 3 & 4)} = \\
(4) (2.665 \text{ tpy}) - \{(4) (0.32 \text{ lb/MM Btu}) \times [(3.3 \text{ MM Btu/hr}) \times (500 \text{ hrs/yr})] /2000 \text{ lbs/ton}\} = \\
10.65 \text{ tpy} - 10.66 \text{ tpy} = -0.01 \text{ tpy < 25 tpy}
\]

\[
\text{NEI for NOx} = \text{PEP + contemporaneous emission increase/decrease} = 10.65 + (-10.66) = -0.01 \text{ tpy of NOx}
\]

CONCLUSION:
Based on the NOx emission factor of 5.48 grams per brake-horsepower-hr for the 4 Caterpillar CAT 3512C CDRP engines and operating 200 hrs/yr, and the NOx emissions for the 4 Caterpillar D-399 1308 HP (976 KW) emergency generators (#1, 2, 3 & 4), which is 10.66 tpy (based on 500 hrs/yr operation) =

\[
\text{NOx PTE for CAT 3512C} - \text{NOx PTE for CAT D-399} = \\
10.65 \text{ tpy} - 10.66 \text{ tpy} = -0.01 \text{ tpy of NOx, which is < 25 tpy}
\]

Based on the Subpart 231-2 Netting Analysis, since the Net Emission Increase (NEI) for NOx is -0.01 tpy for all of the four new Caterpillar CAT 3512C CDRP engines, which is < 25 tpy for the Significant Net Emission Increase (SNEIT), the facility is NOT subject to Subpart 231-2.

40 CFR 60.42c
Reason: 40 CFR 60-Dc.42c, NSPS, which limits the sulfur content in the distillate fuel oil to 0.50 percent by weight, is not applicable to Emission Sources BLR01, BLR02, BLR03 or BLR04 (the four 60 MM Btu/hr Victory energy VS-4-48 replacement boilers) or to Emission Sources BLR05 & BLR06 (the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers) or to this facility. This regulation is overruled by regulations 6 NYCRR 225-1.2 (g) & (h), which limits the sulfur content in the distillate fuel oil (#2 oil) to 0.20 percent by weight to facilities in the severe ozone non-attainment area such as New York City through June 30, 2014, and to 0.0015 percent beginning July 1, 2014.

Mount Sinai Hospital must comply with the 0.20 percent by weight and the 0.0015 percent sulfur content limits as per 6 NYCRR 225-1.2 (g), (h), which are more stringent limits for New York City than 40 CFR 60-Dc.42c, NSPS.

**Condition 25:** Facility Permissible Emissions
Effective between the dates of 05/12/2019 and 05/11/2024

**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:

<table>
<thead>
<tr>
<th>CAS No: 0NY210-00-0</th>
<th>PTE: 384,301 pounds per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: OXIDES OF NITROGEN</td>
<td></td>
</tr>
</tbody>
</table>
Condition 26: Capping Monitoring Condition
Effective between the dates of 05/12/2019 and 05/11/2024

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 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:
The Compliance Certification applies to:

- Emission Unit: U--CDRP
  Process: ENG
  Emission Point: EPTG1
  Emission Source: ENG01

- Emission Unit: U--CDRP
  Process: ENG
  Emission Point: EPTG2
  Emission Source: ENG02

- Emission Unit: U--CDRP
  Process: ENG
  Emission Point: EPTG3
  Emission Source: ENG03

- Emission Unit: U--CDRP
  Process: ENG
  Emission Point: EPTG4

Process: ENG  Emission Source: ENG04

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The facility plans to enroll each of the four (4) new Caterpillar Model 3512C electric engine generator in a Coordinated Demand Response Program (CDRP).

The facility is required to monitor and record the hours of operation and fuel consumption on an annual calendar basis for each of the four (4) new Caterpillar Model 3512C electric engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP, located inside an outdoor enclosure on the roof of the Klingenstei Clinical Center (KCC) building located at 1450 Madison Avenue, New York, NY 10029. The KCC building is about 100 feet above grade with nine floors above ground level.

The facility is limiting the hours of operation for each of the four (4) new Caterpillar Model 3512C electric engine generators to 200 per annual calendar year.

Each of the four (4) new Caterpillar CAT 3512C electric generator is 2206 bhp-hr or 1500 electrical kilowatts (EKW) will fire diesel fuel oil (Process ENG) and considered to be emergency power generating units. The 4 new Caterpillar CAT 3512C electric generators participating in the CDRP are associated with Emission Unit: U-CDRP, Emission Points: EPTG1, EPTG2, EPTG3 & EPTG4, Emission Sources: ENG01, ENG02, ENG03 & ENG04, and Process ENG.

Work Practice Type: HOURS PER YEAR OPERATION
Manufacturer Name/Model Number: Caterpillar CAT 3512C (2206 bhp-hr)
Upper Permit Limit: 200 hours
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUMROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2020.
Subsequent reports are due every 12 calendar month(s).

Condition 27: Acceptable procedures
Effective between the dates of 05/12/2019 and 05/11/2024
Applicable Federal Requirement: 6 NYCRR 202-1.3

Item 27.1:
Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 28: Visible Emissions Limited
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR 211.2

Item 28.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 29: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

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 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 30.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Emission Point</th>
<th>Emission Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>U-B0001</td>
<td>B0001</td>
<td>BLR01</td>
</tr>
<tr>
<td>O41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U-B0001</td>
<td>B0001</td>
<td>BLR02</td>
</tr>
<tr>
<td>O41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U-B0001</td>
<td>B0001</td>
<td>BLR03</td>
</tr>
<tr>
<td>O41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U-B0001</td>
<td>B0001</td>
<td>BLR04</td>
</tr>
<tr>
<td>O41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U-B0001</td>
<td>B0001</td>
<td>BLR05</td>
</tr>
<tr>
<td>O65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U-B0001</td>
<td>B0001</td>
<td>BLR06</td>
</tr>
<tr>
<td>O65</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Item 30.2:
Compliance Certification shall include the following monitoring:

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

Compliance with the opacity standard may be determined by:

(1) evaluating the continuous opacity monitoring system (COMS) records and reports; and/or considering any
other credible evidence;

(2) The COMS shall be operated according to the manufactures instructions, and properly maintain accurate instruments satisfying the criteria in Appendix B of Title 40 Part 60 of the Code of Federal Regulations (CFR).

Manufacturer Name/Model Number: ROSEMOUNT OPM 2000 Opacity Monitor or Equivalent
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 App B, PS1
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2019.
Subsequent reports are due every 3 calendar month(s).

**Condition 31: Compliance Certification**
Effective between the dates of 05/12/2019 and 05/11/2024

**Applicable Federal Requirement:** 6 NYCRR 227-1.4 (b)

**Item 31.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: O41</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: O41</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: O41</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: O41</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: O65</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: O65</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Item 31.2:**
Compliance Certification shall include the following monitoring:
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

1) Magnitude, date, and time of each exceedence;

2) For each period of excess emissions, specific identification of the cause and corrective action taken;

3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;

4) Total time the COMS is required to record data during the reporting period;

5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and

6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Manufacturer Name/Model Number: ROSEMOUNT OPM 2000 OPACITY MONITOR or Equivalent
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 APP B, PS1
Monitoring Frequency: CONTINUOUS
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2019.
Subsequent reports are due every 3 calendar month(s).

Condition 32: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

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

Item 32.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-B0001     Emission Point: B0001
Process: G41               Emission Source: BLR01
Air Pollution Control Permit Conditions

Renewal 3            Page 31            FINAL
Emission Unit: U-B0001  Emission Point: B0001  Process: O41  Emission Source: BLRC4
Emission Unit: U-B0001  Emission Point: B0001  Process: O65  Emission Source: BLR05
Regulated Contaminant(s):
  CAS No: 0NY210-00-0  OXIDES OF NITROGEN

Item 32.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Mount Sinai Hospital is required to perform testing all of the six mid-size boilers, the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4) and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6) to verify the NOx emission limit compliance. The six new boilers will be operating with low NOx burners and flue gas recirculation (FGR) for NOx control. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All six boilers operates on distillate oil (Processes O41 & O65) and on natural gas (G41 & G65).

On or after July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on distillate oil/natural gas have a new limit of 0.08 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the Department for
approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.

   i. For mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

3. Submit a compliance test report containing the results of the emission test to the Department no later than 60 days after the completion of the emission test.

This condition applies to the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4 and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6). The NOx RACT for boilers operating on distillate oil/natural gas is a limit of 0.08 pounds per million Btu per hour on or after July 1, 2014.

The six new boilers will be operating with low NOx burners and flue gas recirculation (FGR) for NOx control.

The facility is continuing compliance plan for meeting new NOx RACT presumptive NOx rate of 0.08 lbs per million Btu heat input for its six mid-size boilers. New Victory Energy boilers replaced old Keystone and Combustion Engineering boilers. New boilers are at the same ratings for steam and heat input. Last new boiler in under construction to be completed in early 2019.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.08 pounds per million Btus
Reference Test Method: Method 7E, 7E or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 33: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024
Applicable Federal Requirement: 6 NYCRR 227-2.4 (f) (3)

Item 33.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Process</th>
<th>Emission Point</th>
<th>Emission Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>U--CDRP</td>
<td>ENG</td>
<td>EPTG1</td>
<td>ENG01</td>
</tr>
<tr>
<td>U--CDRP</td>
<td>ENG</td>
<td>EPTG2</td>
<td>ENG02</td>
</tr>
<tr>
<td>U--CDRP</td>
<td>ENG</td>
<td>EPTG3</td>
<td>ENG03</td>
</tr>
<tr>
<td>U--CDRP</td>
<td>ENG</td>
<td>EPTG4</td>
<td>ENG04</td>
</tr>
</tbody>
</table>

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:
To ensure that the unit runs at optimum conditions and stays in compliance with the NOx RACT emission limit, periodic maintenance will be performed in accordance with manufacturer's specifications. These specific procedures are outlined in the manufacturer's specification manual for the unit. Other components of the periodic maintenance program for the unit include those actions necessitated by the results of monitoring the following data: diagnostic data obtained after a set number of operating hours, engine gas analysis, and fuel consumption versus power output of the unit.

The four Caterpillar CAT 3512C (2206 bhp-hr) electric generators participating in the CDRP (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP, are 1500 electric KW (2,206 hp-hr) each. These four engines fire #2 fuel oil (Process ENG) only, and are 4-stroke lean burn RICE Tier II internal combustion engines with compression ignition source with Model year 2018.

Engine Maintenance Compliance:
Mount Sinai Hospital will maintain its normal engine-maintenance program which includes the following
routine items:

1. Every 1,000 hours: Oil change and filters sampled. Fuel oil filters and air filters by pressure drop readings.

2. Every 2,000 hours: Valve lash adjustments and crankcase filter change

3. Every 12,000 hours: Engine top end overhaul.

4. Every 24,000 hours: Engine top and bottom overhaul.

Mount Sinai Hospital maintains detailed operating records of pressures, temperatures, greasing, oiling, etc. The four engines will be maintained around the clock by a team of licensed New York City engineers.

External vendor engine maintenance and repair include items such as:

a. Major overhaul of engines
b. Top end overhaul of engines
c. Replace crankcase breather systems
d. Repair aftercooler
e. Replace oil cooler
f. Recondition governor and fuel injection pump (new barrels and plungers).

Manufacturer Name/Model Number: Caterpillar CAT 3512C (2206 bhp-hr)
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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 34: Compliance Certification**
Effective between the dates of 05/12/2019 and 05/11/2024

**Applicable Federal Requirement:** 6 NYCRR 227-2.4 (f) (3)

**Item 34.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Emission Point</th>
<th>Emission Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>U--CDRP</td>
<td>EPTG1</td>
<td>ENG01</td>
</tr>
<tr>
<td>ENG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U--CDRP</td>
<td>EPTG2</td>
<td>ENG02</td>
</tr>
<tr>
<td>ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Emission Unit: U--CDRP  Emission Point: EPTG3
Process: ENG  Emission Source: ENG03

Emission Unit: U--CDRP  Emission Point: EPTG4
Process: ENG  Emission Source: ENG04

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

Item 34.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
   This condition applies to each of the four (4) new 2206 brake horsepower 9bhp) and 1500 electrical kilowatts (EKW) Caterpillar Model 3512C electric engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP, located inside an outdoor enclosure located on the roof of the Klingenstein Clinical Center (KCC) building (at 1450 Madison Avenue, New York, NY 10029), fuel oil-fired (Process ENG) Tier II 4-stroke lean burn RICE compression ignition engine with Model year 2018. Each engine has 12 cylinders, each cylinder is 4.317 liters, the cylinders are 6.7 inch bore X 7.5 inches stroke, and the displacement is less than 10 liters per cylinder for the Coordinated Demand Response Program (CDRP).

   Each of the four generators will fire distillate (diesel) fuel oil at 100 % load. Each of the four new Caterpillar CAT 3512C electric generator is rated at 2206 brp-hr or 1500 electrical kilowatts (EKW) and is a 2018 model year with Tier II emission rates.

   Stack testing will be required in order to demonstrate compliance with the 5.48 grams/bhp-hr with the approved NOx RACT alternative emission limit (instead of the regulatory 2.3 grams per brake horsepower-hour NOx RACT emission limit) in the severe ozone non-attainment area. 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.

   The NYSDEC implemented regulation 6 NYCRR 227-2.4(f) for controlling NOx emissions from such engines, which requires engine owners and operates to have a plan in place for a reduced rate of NOx emissions.
(f) Stationary internal combustion engines.

The owner or operator of a stationary internal combustion engine either having a maximum mechanical output rating equal to or greater than 200 brake horsepower in a severe ozone nonattainment area or having a maximum mechanical output rating equal to or greater than 400 brake horsepower outside a severe ozone nonattainment area must comply with one of the emission limits in paragraph (1), (2), or (3) of this subdivision or a case-by-case RACT determination made pursuant to paragraph (4) of this subdivision, as applicable:

(3) For internal combustion engine fired with distillate oil (solely or in combination with other fuels): 2.3 grams per brake horsepower-hour. The NOx RACT variance of 5.48 grams/bhp-hr is based upon unfavorable economics associated with the NOx emission reduction of SCR.

Compliance with this NOx RACT emission limit regulatory standard for a lean burn internal combustion ignition source must be determined with a one hour average in accordance with section 227-2.6(a)(7) of this Subpart unless the owner or operator chooses to use a CEMS under the provisions of section 227- 2.6(b) of this Subpart of this Subpart apply, including the use of a 24-hour averaging period.

See related Condition # 35 for 6 NYCRR 227-2.5 (c) approved NOx RACT Variance which grants the NOx RACT emission limit to 5.48 grams per brake horsepower-hr.

Manufacturer Name/Model Number: Caterpillar CAT 3512C (2206 bhp-hr)
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 5.48 grams per brake horsepower-hour
Reference Test Method: 40 CFR Part 60, Appendix A, Method 7, or 7E, or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 5/30/2020.
Subsequent reports are due every 12 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

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

Item 35.1: The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U--CDRP  Emission Point: EPTG2  Process: ENG  Emission Source: ENG02

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

Item 35.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Mount Sinai Hospital is required to perform stack testing during the term of the permit for each of the four (4) new 2206 brake horsepower 9bhp) and 1500 electrical kilowatts (EKW) Caterpillar Model 3512C electric engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP, located inside an outdoor enclosure located on the roof of the Klingenstein Clinical Center (KCC) building (at 1450 Madison Avenue, New York, NY 10029), fuel oil-fired (Process ENG) Tier II 4-stroke lean burn RICE compression ignition engine with Model year 2018. Each engine has 12 cylinders, each cylinder is 4.317 liters, the cylinders are 6.7 inch bore X 7.5 inches stroke, and the displacement is less than 10 liters per cylinder for the Coordinated Demand Response Program (CDRP).

Each of the four generators will fire distillate (diesel) fuel oil at 100 % load. Each of the four new Caterpillar CAT 3512C electric generator is rated at 2206 brp-hr or 1500 electrical kilowatts (EKW) and is a 2018 model year with Tier II emission rates.

For those sources for which the owner or operator demonstrates that the applicable presumptive RACT emission limit of 2.3 grams per brake horsepower-hour in section 227-2.4 of this Subpart is not economically or technically feasible, the owner or operator can request the Department to set a higher source specific emission limit. Economic or technical feasibility must include, but is not limited, the evaluation of fuel switching, selective catalytic
reduction or system averaging as compliance options. This alternative RACT emission limit must be approved by the Department and by the Administrator as a revision to the State Implementation Plan. The NOx RACT alternative compliance option emission limit of 5.48 grams/bhp-hr is based upon unfavorable economics associated with the NOx emission reduction of SCR.

On June 1, 2018 Mount Sinai Hospital submitted an Engine NOx RACT Compliance Plan pursuant to 6 NYCRR 227 to the NYSDEC Region II Office to meet compliance for a reduced rate of NOx emissions from the newly implemented 2.3 gm/bhp-hr, proposing an alternative NOx emission limit of 5.48 gm/bhp-hr as RACT. The facility has submitted a NOx RACT analysis in accordance with Part 227-2.5 and a proposal for an alternative compliance option, a NOx emission limit of 5.48 grams per bhp-hr instead of 2.3 grams per bhp-hr based upon unfavorable economics associated with the emission reduction. The plan contained a proposed NOx RACT alternative compliance option of 5.48 grams/bhp-hr, which is based upon unfavorable economics associated with the NOx emission reduction of SCR. The plan presented economic criteria supporting the non-feasibility of adopting any new operating conditions to the new four Caterpillar Model 3512C electric engine generators.

The application includes alternate post combustion technology of selective catalytic reduction (SCR) for enhanced NOx emission reduction. Based upon this NOx RACT analysis, Mount Sinai Hospital is not considering the installation of SCR control technology because the lowest cost-effectiveness is about $25,000 per ton of NOx emission reduction, which exceeds the current threshold of $8,500 per ton of NOx emission reduction.

The 5.48 grams of NOx per bhp-hr emission limit is not to be exceeded as per the approved NOx RACT Variance (alternative compliance option emission limit).

With the issuance of this permit renewal, the alternative NOx emission limit as RACT of 5.48 grams per brake horsepower-hour as a compliance option for each of the four (4) new Caterpillar Model 3512C electric engine generators, identified as ENG01, ENG02, ENG03 and ENG04 in Emission Unit U-CDRP has been extended by the Department.

See related Condition # 34 for 6 NYCRR 227-2.4 (f) (3).

Manufacturer Name/Model Number: Caterpillar Model 3512C electric generators (1500 Electric
Kilowatts)
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 5.48 grams per brake horsepower-hour
Reference Test Method: 40 CFR Part 60, Appendix A, Method 7, or 7E, or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR 227-2.6 (a)

Item 36.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR01
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR02
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR03
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR04
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLRC1
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLRC2
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLRC3
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLRC4
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR05
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR06
- Emission Unit: U-B0001  Emission Point: B0001
Process: G65  Emission Source: BLRC5
Emission Unit: U-B0001  Emission Point: B0001
Process: G65  Emission Source: BLRC6
Emission Unit: U-B0001  Emission Point: B0001
Process: O41  Emission Source: BLR01
Emission Unit: U-B0001  Emission Point: B0001
Process: O41  Emission Source: BLR02
Emission Unit: U-B0001  Emission Point: B0001
Process: O41  Emission Source: BLR03
Emission Unit: U-B0001  Emission Point: B0001
Process: O41  Emission Source: BLR04
Emission Unit: U-B0001  Emission Point: B0001
Process: O41  Emission Source: BLRC1
Emission Unit: U-B0001  Emission Point: B0001
Process: O41  Emission Source: BLRC2
Emission Unit: U-B0001  Emission Point: B0001
Process: O41  Emission Source: BLRC3
Emission Unit: U-B0001  Emission Point: B0001
Process: O41  Emission Source: BLRC4
Emission Unit: U-B0001  Emission Point: B0001
Process: O65  Emission Source: BLR05
Emission Unit: U-B0001  Emission Point: B0001
Process: O65  Emission Source: BLR06
Emission Unit: U-B0001  Emission Point: B0001
Process: O65  Emission Source: BLRC5
Emission Unit: U-B0001  Emission Point: B0001
Process: O65  Emission Source: BLRC6

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

Item 36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
§227-2.6 Testing, monitoring, and reporting requirements:
The owner/operator of mid-size boilers (>25 MM Btu/hr and equal or < 100 MM Btu/hr) shall measure NOx emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A mid-size boiler is defined as: A boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour.

(a) The owner or operator of the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4 and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6) must verify NOx emissions by performing the applicable testing or monitoring procedure detailed below:

(3) For any mid-size boiler, NOx emissions must be

(i) measured in accordance with the emission test requirements described in subdivision (c) of this section, or

(ii) monitored with a CEMS as described in subdivision (b) of this section or with an equivalent monitoring system approved by the Department.

This condition applies to the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4 and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6). The NOx RACT for boilers operating on distillate oil/natural gas is a limit of 0.08 pounds per million Btu per hour on or after July 1, 2014.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 37:** Compliance Certification

Effective between the dates of 05/12/2019 and 05/11/2024

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

**Item 37.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-B0001  Emission Point: B0001
Process: G41  Emission Source: BLR01

Air Pollution Control Permit Conditions

Renewal 3 Page 42 FINAL
Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Mount Sinai Hospital is required to perform testing the mid-size boilers, the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4) and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6) to verify the NOx emission limit compliance. A mid-size boiler is a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour. All six boilers...
operates on distillate oil (Processes O41 & O65) and on natural gas (G41 & G65).

On or after July 1, 2014, the owner/operator of mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers operating on distillate oil/natural gas have a limit of 0.08 pounds of NOx per million Btus under the NOx RACT plan for mid-size boilers.

Emission test requirements: The owner/operator of a source required to conduct an emission test under subdivision (c) of 6 NYCRR 227-2.6 must:

1. Submit a compliance test protocol to the Department for approval at least 30 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the Department; and

2. Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the Department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and must follow the procedures set forth in Part 202 of this Title.

   i. For mid-size boilers (> 25 and equal to or <100 MM Btu/hr) boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the Department.

3. Submit a compliance test report containing the results of the emission test to the Department no later than 60 days after the completion of the emission test.

This condition applies to the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers (Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4 and to the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers (Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6). The NOx RACT for boilers operating on distillate oil/natural gas is a limit of 0.08 pounds per million Btus per hour on or after July 1, 2014.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.08 pounds per million Btus
Reference Test Method: Method 7, 7E or 19
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE
Condition 38:  EPA Region 2 address.
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 38.1:
All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

Condition 39:  Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.40c, NSPS Subpart Dc

Item 39.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR01</th>
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</thead>
<tbody>
<tr>
<td>Process: G41</td>
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<th>Emission Source: BLR03</th>
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<th>Emission Source: BLR04</th>
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<th>Emission Source: BLR05</th>
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<td>Process: G65</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR06</th>
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<tr>
<td>Process: G65</td>
<td></td>
<td></td>
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</tbody>
</table>
Item 39.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
This condition applies to each of the four 60 MM Btu/hr Victory Energy VS-4-48 replacement boilers, defined in Emission Unit U-B0001 as Emission Sources/Controls BLR01/BLRC1, BLR02/BLRC2, BLR03/BLRC3 & BLR04/BLRC4. This condition also applies to each of the two refurbished 95 MM Btu/hr Erie City/16M Keystone boilers, defined in Emission Unit U-B0001 as Emission Sources/Controls BLR05/BLRC5 & BLR06/BLRC6.

The affected facility to which this Subpart applies is each steam generating unit for which construction, modification or reconstruction commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 million Btu/hr or less, but greater than or equal to 10 million Btu/hr. Steam generating units which meet the applicability requirements above are not subject to the sulfur dioxide (SO2) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (Subparts 60.42c, 60.43c, 60.44c, 60.45c, 60.46c., or 60.47c) during periods of combustion research, as defined in Subpart 60.14. Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under Subpart 60.14.

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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 40:** Compliance Certification

*Effective between the dates of 05/12/2019 and 05/11/2024*

**Applicable Federal Requirement:** 40 CFR 60.46c(d)(2), NSPS Subpart Dc

**Item 40.1:**
The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

- Emission Unit: U-B0001
  - Emission Point: B0001
  - Emission Source: BLR01

- Emission Unit: U-B0001
  - Emission Point: B0001
  - Emission Source: BLR02

- Emission Unit: U-B0001
  - Emission Point: B0001
  - Emission Source: BLR03

- Emission Unit: U-B0001
  - Emission Point: B0001
  - Emission Source: BLR04

- Emission Unit: U-B0001
  - Emission Point: B0001
  - Emission Source: BLR05

- Emission Unit: U-B0001
  - Emission Point: B0001
  - Emission Source: BLR06

**Regulated Contaminant(s):**

- CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 40.2:**
Compliance Certification shall include the following monitoring:

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

**Monitoring Description:**
As an alternative to operating a CEMs at the inlet to the SO2 control device (or outlet of the steam generating unit if no SO2 control device is used) as required under paragraph §60.46c (a), an owner or operator may elect to determine the average SO2 emission rate by sampling fuel prior to combustion.

As an alternative fuel sampling procedure for affected facilities combusting oil, oil samples may be collected from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted.
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 semi-annual calendar basis, within 30 days after the end of the semi-annual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Also, compliance with this sulfur limit that is based on vendor certifications will be accepted, if the following is provided:

According to 40 CFR 60.48c (e)(1): The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under Part 60.43c shall keep records as required under paragraph (d) of this section, including as applicable the calendar dates covered in the reporting period, and each 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period in the quarter.

According to 40 CFR 60.48c (e)(11): If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), or (3) of this section as applicable. In addition to records of fuel supplier certifications, the report shall include a certification statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during that semi-annual period.

According to 40 CFR 60.48c (f): Fuel supplier certification shall include the following for distillate oil:

(i) The name of the oil supplier; and that the oil complies with the specifications under the definition of distillate fuel oil in Part 60.41c.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.20 percent by weight
Reference Test Method: Method 19
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2019.
Subsequent reports are due every 6 calendar month(s).
Condition 41: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

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

Item 41.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: O41</td>
<td>Emission Source: BLR01</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Emission Unit: U-B0001</td>
<td>Emission Point: B0001</td>
</tr>
<tr>
<td>Process: O41</td>
<td>Emission Source: BLR02</td>
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<tr>
<td>Emission Unit: U-B0001</td>
<td>Emission Point: B0001</td>
</tr>
<tr>
<td>Process: O41</td>
<td>Emission Source: BLR03</td>
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<td>Process: O41</td>
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<td>Process: O65</td>
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<tr>
<td>Process: O65</td>
<td>Emission Source: BLR06</td>
</tr>
</tbody>
</table>

Item 41.2:
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 operating day.

Manufacturer Name/Model Number: Victory Energy Voyager-VS4-48
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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60, NSPS Subpart III

Item 42.1:
The Compliance Certification activity will be performed for the Facility.
Item 42.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

The sixteen (16) emergency generators located at the facility are subject to 40 CFR Part 60, Subpart IIII. Caterpillar D-399 1308 HP (976 Kw) emergency generator located at the Annenberg Pavilion Building (emergency generators #1, 2, 3 & 4 ) will be removed when the four (4) new Caterpillar CAT 3512C electric generators participating in the Coordinated Demand Response Program (CDRP) can carry their electric loads.

The four 2206 bhp-hr or 1500 Kilowatts new electric generators will be installed inside an outdoor enclosure on the roof of the Klingenstein Clinical Center (KCC) building located at 1450 Madison Avenue, New York, NY 10029.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 43: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40 CFR 60.4204(b), NSPS Subpart IIII

Item 43.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<p>| Emission Unit: U--CDRP | Emission Point: EPTG1 |</p>
<table>
<thead>
<tr>
<th>Process: ENG</th>
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<td>Emission Point: EPTG2</td>
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<tr>
<td>Process: ENG</td>
<td>Emission Source: ENG02</td>
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</tr>
<tr>
<td>Emission Unit: U--CDRP</td>
<td>Emission Point: EPTG3</td>
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<tr>
<td>Process: ENG</td>
<td>Emission Source: ENG03</td>
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<tr>
<td>Emission Unit: U--CDRP</td>
<td>Emission Point: EPTG4</td>
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<tr>
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<td>Emission Source: ENG04</td>
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</table>

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN
Item 43.2:  
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:  
The owner or operator of a 2007 model year or later non-emergency stationary compression ignition (CI) internal combustion engine with a maximum engine power less than or equal to 2,237 kW (3,000 HP) and a displacement of less than 10 liters/cylinder will require certification to the emission standards for new nonroad CI engines in 40 CFR 89.112, 40 CFR 89.113, 40 CFR 1039.101, 40 CFR 1039.102, 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, as applicable, for all pollutants, for the same model year and maximum engine power. Compliance with this requirement will be established by purchasing an engine certified to the emission standard referenced above and installed and configured according to the manufacturer's specifications. Records documenting these actions must be kept on-site.

Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable.

Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 5.48 grams per brake horsepower-hour  
Reference Test Method: 40 CFR Part 60, Appendix A, Method 7, or 7E, or 19  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2020.  
Subsequent reports are due every 12 calendar month(s).

Condition 44:  
Compliance Certification  
Effective between the dates of 05/12/2019 and 05/11/2024  

Applicable Federal Requirement: 40 CFR 60.4205(b), NSPS Subpart IIII

Item 44.1:  
The Compliance Certification activity will be performed for the facility:  
The Compliance Certification applies to:  

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<thead>
<tr>
<th>Emission Unit</th>
<th>Emission Point</th>
<th>Process</th>
<th>Emission Source</th>
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</thead>
<tbody>
<tr>
<td>U--CDRP</td>
<td>EPTG1</td>
<td>ENG</td>
<td>ENG01</td>
</tr>
</tbody>
</table>

Air Pollution Control Permit Conditions  
Renewal 3  Page 51  FINAL
Item 44.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Each of the four engines is 2018 model year, is Tier II 4-stroke lean burn RICE compression ignition engine with Model year 2018, each engine has 12 cylinders, each cylinder is 4.317 liters, the cylinders are 6.7 inch bore X 7.5 inches stroke, and the displacement is less than 10 liters per cylinder for the Coordinated Demand Response Program (CDRP).

The owner or operator of a 2007 model year or later emergency stationary compression ignition (CI) internal combustion engine with a maximum engine power less than or equal to 2,237 kW (3,000 HP) that is not a fire pump engine and has a displacement of less than 10 liters/cylinder will require certification to the following emission standards:

1. For engines with a maximum engine power less than 37 kW (50 HP):
   - 2007 model year engines - emission standards specified in 40 CFR 89.112 and 40CFR 89.113, as applicable,

2. For engines with a maximum engine power greater than or equal to 37 kW (50 HP):
   - 2007 model year and later - emission standards specified in 40 CFR 89.112 and 40CFR 89.113, as applicable, for all pollutants, for the same model year and maximum engine power.

Compliance with this requirement will be established by purchasing an engine certified to the applicable emission standard referenced above and installed and configured according to the manufacturer's specifications. Records documenting these actions must be kept on-site.
Condition 45: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.4207(b), NSPS Subpart IIII

Item 45.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG1
  - Emission Source: ENG01

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG2
  - Emission Source: ENG02

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG3
  - Emission Source: ENG03

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG4
  - Emission Source: ENG04

Item 45.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:
The Sulfur Content shall not exceed 15 parts per million or 0.0015% by weight in the ultra low sulfur diesel fuel fired in each of the four (4) new Caterpillar Model 3512C electric engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U--CDRP, inside an outdoor enclosure on the roof of the Klingenstein Clinical Center (KCC) building, located at 1450 Madison Avenue, New York, NY 10029.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Manufacturer Name/Model Number: Caterpillar CAT 3512C
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 15 parts per million by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Permit ID: 2-6204-00059/00001         Facility DEC ID: 2620400059

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2020.
Subsequent reports are due every 12 calendar month(s).

Condition 46: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.4207(b), NSPS Subpart III

Item 46.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:


Item 46.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The Centane (Combustion) Index is not to fall below a ratio of 40 in the ultra low sulfur diesel fuel fired in each of the four (4) new Caterpillar Model 3512C electric engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP, inside an outdoor enclosure on the roof of the Klingenbein Clinical Center (KCC) building, located at 1450 Madison Avenue, New York, NY 10029.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Manufacturer Name/Model Number: Caterpillar CAT 3512C
Parameter Monitored: COMBUSTION INDEX
Lower Permit Limit: 40 ratio
Monitoring Frequency: PER DELIVERY
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2020.
Condition 47: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.4207(b), NSPS Subpart III

Item 47.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG1</th>
<th>Emission Source: ENG01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG2</th>
<th>Emission Source: ENG02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG3</th>
<th>Emission Source: ENG03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG4</th>
<th>Emission Source: ENG04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Item 47.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The Aromatic Content is not to exceed 35% in the ultra low sulfur diesel fuel fired in each of the four (4) new Caterpillar Model 3512C electric engine generators (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP, inside an outdoor enclosure on the roof of the Klingenstein Clinical Center (KCC) building, located at 1450 Madison Avenue, New York, NY 10029.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Manufacturer Name/Model Number: Caterpillar CAT 3512C
Parameter Monitored: AROMATIC CONTENT
Upper Permit Limit: 35 percent
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2020.
Subsequent reports are due every 12 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024
Applicable Federal Requirement: 40CFR 60.4211(a), NSPS Subpart III

Item 48.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG1
  - Emission Source: ENG01
- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG2
  - Emission Source: ENG02
- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG3
  - Emission Source: ENG03
- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG4
  - Emission Source: ENG04

Item 48.2:
Compliance Certification shall include the following monitoring:

- Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
- Monitoring Description:
  - The facility is to operate each of the four (4) new Caterpillar Model 3512C electric engine generators as per the manufacturer's instructions.

Manufacturer Name/Model Number: Caterpillar CAT 3512C
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 49: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.4211(c), NSPS Subpart III

Item 49.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG1
  - Emission Source: ENG01
- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG2
  - Emission Source: ENG02
- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG3
  - Emission Source: ENG03
Item 49.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Owners or operators of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power.

This condition requires installation and configuration of engines according to manufacturer's specifications and manufacturer's certification of compliance with the 40 CFR 60 Subpart III for major pollutants be sent to NYSDEC prior to commencement of operation of the engines.

The manufacturer's certification of compliance with the emission standards specified in 40 CFR 60 Subpart III for major pollutants will be sent to the Department prior to commencement of operation of the engines.

Manufacturer Name/Model Number: Caterpillar CAT 3512C
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2020.
Subsequent reports are due every 12 calendar month(s).

Condition 50: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40 CFR 60.4211(e), NSPS Subpart III

Item 50.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U--CDRP  Emission Point: EPTG1
Process: ENG  Emission Source: ENG01
Item 50.2: Compliance Certification shall include the following monitoring:

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

Monitoring Description:
Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited.

Manufacturer Name/Model Number: Caterpillar CAT 3512C
Parameter Monitored: ENGINE OPERATION
Upper Permit Limit: 100 hours per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL TOTAL
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2020.
Subsequent reports are due every 12 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ

Item 51.1: The Compliance Certification activity will be performed for the Facility.
Item 51.2: Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The sixteen (16) emergency generators located at the facility are subject to 40 CFR Part 60, Subpart ZZZZ. Caterpillar D-399 1308 HP (976 Kw) emergency generator located at the Annenberg Pavilion Building (emergency generators #1, 2, 3 & 4) will be removed when the four (4) new Caterpillar CAT 3512C electric generators participating in the Coordinated Demand Response Program (CDRP) can carry their electric loads.

The four 2206 bhp-hr or 1500 Kilowatts new electric generators will be installed inside an outdoor enclosure on the roof of the Klingenstein Clinical Center (KCC) building located at 1450 Madison Avenue, New York, NY 10029.

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

Internal combustion engines, constructed or re-constructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart IIII or subpart JJJJ meet the requirements of 40 CFR 63 subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 52: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 89.112, Subpart B

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

The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td>Emission Source: ENG01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td>Emission Source: ENG02</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td>Emission Source: ENG03</td>
</tr>
</tbody>
</table>
Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
§ 89.112 Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards.

1. (a) Exhaust emission from nonroad compression-ignition engines to which this subpart is applicable shall not exceed the applicable exhaust emission limit standards of 6.4 gm/kW-hr for the combined emissions of NOX + NMHC.

Naturally aspirated nonroad engines to which this subpart is applicable shall not discharge crankcase emissions into the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision applies to all Tier 2 engines and later models. This provision does not apply to engines using turbocharges, pumps, blowers, or supercharges of air induction.

2. Emission Limitations and Standards as per 40 CFR 4202(a):

a. Nitrogen Oxide (NOx) and Non-methane hydrocarbons (NMHC) as per 40 CFR 89.112:

The Permittee shall limit the emission of NOx and NMHC below 6.4 gm/kW-hr from the emergency engine.

These engines will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. The Permittee shall burn only diesel fuel in the compression ignition engines.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Manufacturer Name/Model Number: Caterpillar CAT 3512C (2206 bhp-hr)
Parameter Monitored: 40 CFR 60 SUBPART IIII - NMHC + NOX
Upper Permit Limit: 6.4 grams per kilowatt hour
Reference Test Method: 40 CFR 89.112 Subpart E or 40 CFR Part 1065
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 53: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 89.112, Subpart B

Item 53.1:
The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG1
  - Emission Source: ENG01

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG2
  - Emission Source: ENG02

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG3
  - Emission Source: ENG03

- Emission Unit: U--CDRP
  - Process: ENG
  - Emission Point: EPTG4
  - Emission Source: ENG04

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

Item 53.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

§ 89.112 Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards.

1.(a) Exhaust emission from nonroad compression-ignition engines to which this subpart is applicable shall not exceed the applicable exhaust emission limit standards of 3.5 gm/kW-hr for the emissions of CO.

Naturally aspired nonroad engines to which this subpart is applicable shall not discharge crankcase emissions into the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision applies to all Tier 2 engines and later models. This provision does not apply to engines using turbocharges, pumps,
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blowers, or supercharges of air induction.

2. Emission Limitations and Standards as per 40 CFR.4202(a):

b. Carbon Monoxide (CO) as per 40 CFR 89.112:

The Permittee shall limit the emission of CO below 3.5 gm/kW-hr from the emergency engine.

These engines will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. The Permittee shall burn only diesel fuel in the compression ignition engines.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Manufacturer Name/Model Number: Caterpillar CAT 3512C (2206 bhp-hr)
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 3.5 grams per kilowatt hour
Reference Test Method: 40 CFR 89.112 Subpart E or 40 CFR Part 1065
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54:    Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 89.112, Subpart B

Item 54.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG1</th>
<th>Emission Source: ENG01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
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</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG2</th>
<th>Emission Source: ENG02</th>
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<tbody>
<tr>
<td>Process: ENG</td>
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</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG3</th>
<th>Emission Source: ENG03</th>
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<tbody>
<tr>
<td>Process: ENG</td>
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</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG4</th>
<th>Emission Source: ENG04</th>
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</thead>
<tbody>
<tr>
<td>Process: ENG</td>
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<td></td>
</tr>
</tbody>
</table>

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

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Item 54.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

§ 89.112 Oxides of nitrogen, carbon monoxide, hydrocarbon, and particulate matter exhaust emission standards.

1. (a) Exhaust emission from nonroad compression-ignition engines to which this subpart is applicable shall not exceed the applicable exhaust emission limit standards of 0.2 gm/kW-hr for the emissions of PM.

Naturally aspirated nonroad engines to which this subpart is applicable shall not discharge crankcase emissions into the ambient atmosphere, unless such crankcase emissions are permanently routed into the exhaust and included in all exhaust emission measurements. This provision applies to all Tier 2 engines and later models. This provision does not apply to engines using turbocharges, pumps, blowers, or supercharges of air induction.

2. Emission Limitations and Standards as per 40 CFR. 4202(a):

b. Particulate Matter (PM) as per 40 CFR 89.112:

The Permittee shall limit the emission of PM below 0.2 gm/kW-hr from the emergency engine.

These engines will be used to provide power to the facility in the event of outside commercial power interruption or unreliability issues. The Permittee shall burn only diesel fuel in the compression ignition engines.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DIESEL OIL
Manufacturer Name/Model Number: Caterpillar CAT 3512C (2206 bhp-hr)
Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.2 grams per kilowatt hour
Reference Test Method: 40 CFR 89.112 Subpart E or 40 CFR Part 1065
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION
**** Emission Unit Level ****

Condition 55:  Emission Point Definition By Emission Unit
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 55.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit:    U-B0001

Emission Point:  B0001
    Height (ft.): 544  Length (in.): 108  Width (in.): 42
    NYTMN (km.): 4515.888  NYTME (km.): 588.234  Building: ANNENBERG

Item 55.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit:    U-CDRP

Emission Point:  EPTG1
    Height (ft.): 102  Diameter (in.): 22
    NYTMN (km.): 4515.888  NYTME (km.): 588.234  Building: KCC

Emission Point:  EPTG2
    Height (ft.): 102  Diameter (in.): 22
    NYTMN (km.): 4515.888  NYTME (km.): 588.234  Building: KCC

Emission Point:  EPTG3
    Height (ft.): 102  Diameter (in.): 22
    NYTMN (km.): 4515.888  NYTME (km.): 588.234  Building: KCC

Emission Point:  EPTG4
    Height (ft.): 102  Length (in.): Width (in.):  
    NYTMN (km.): 4515.888  NYTME (km.): 588.234  Building: KCC

Condition 56:  Process Definition By Emission Unit
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 56.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit:    U-B0001

Process:  G41  Source Classification Code: 1-02-006-02
Process Description:
    Process G41 is the firing of natural gas in the operation
    of the four new identical boilers, Boilers # 1, #2, #3 &
    # 4 (Emission Sources BLR01, BLR02, BLR03 & BLR04) with
    their corresponding Low NOX Burners, Flue Gas

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Recirculation Emission Controls - BRLC1, BLRC2, BLRC3 & BLRC4; respectively, in Emission Unit U-B0001. Emission Sources BLR01, BLR02, BLR03 & BLR04 are four identical Victory Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output each. The maximum total heat input from these four boilers is 240 MM BTU/hr.

All of the four boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the four boilers are exhausted through one common stack which is identified as Emission Point B0001.

Maximum natural gas consumption is 2,002 million cubic feet of per year for Boiler #1, Boiler #2, Boiler #3 & Boiler #4.

The installation of the Victory Energy Voyager boilers, Boilers #1, #2, #3 & #4 maintains the nominal capacity of each of these boilers at 60.3 million Btus of heat input per hour when firing natural gas and 57.6 million Btus of heat input when firing distillate fuel oil.

Emission Source/Control:   BLR01 - Combustion
Design Capacity: 60   million Btu per hour

Emission Source/Control:   BLR02 - Combustion
Design Capacity: 60   million Btu per hour

Emission Source/Control:   BLR03 - Combustion
Design Capacity: 60   million Btu per hour

Emission Source/Control:   BLR04 - Combustion
Design Capacity: 60   million Btu per hour

Emission Source/Control:   BLRC1 - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control:   BLRC2 - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control:   BLRC3 - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control:   BLRC4 - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION
Item 56.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

- **Emission Unit:** U-B0001
- **Process:** G65
- **Source Classification Code:** 1-02-006-02

**Process Description:**
Process G65 is the firing of natural gas in the operation of the two identical boilers, Boilers # 5 & # 6 (Emission Sources BLR05 & BLR06) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC5 & BLRC6; respectively, in Emission Unit U-B0001. Emission Sources BLR05 & BLR06 are two identical Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output each at 125 psig. The maximum total heat input from these two boilers is 190 MM BTU/hr.

These two boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from these two boilers are exhausted through one common stack which is identified as Emission Point B0001.

Maximum natural gas consumption is 1,585 million cubic feet of gas per year for Boiler #5 & Boiler #6.

Boiler #6 (Emission Source B0006) has been already refurbished in 2012 and is now identified as Emission Source BLR06 with its corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC6 in Emission Unit U-B0001 as 95 MM Btu/hr Victory Energy Voyager-VS4-48 boiler.

- **Emission Source/Control:** BLR05 - Combustion
  - **Design Capacity:** 95 million Btu per hour

- **Emission Source/Control:** BLR06 - Combustion
  - **Design Capacity:** 95 million Btu per hour

- **Emission Source/Control:** BLRC5 - Control
  - **Control Type:** LOW NOX BURNERS, FLUE GAS RECIRCULATION

- **Emission Source/Control:** BLRC6 - Control
  - **Control Type:** LOW NOX BURNERS, FLUE GAS RECIRCULATION

Item 56.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

- **Emission Unit:** U-B0001
Process: O41  Source Classification Code: 1-02-004-02

Process Description:
Process O41 is the firing of #2 fuel oil (distillate oil) in the operation of the four identical boilers, Boilers #1, #2, #3 & #4 (Emission Sources BLR01, BLR02, BLR03 & BLR04) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BRLC1, BRLC2, BRLC3 & BRLC4; respectively, in Emission Unit U-B0001. Emission Sources BLR01, BLR02, BLR03 & BLR04 are four identical Victory Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 60 MM Btu/hr heat input and 50,000 pounds per hour of steam output each. The maximum total heat input from these four boilers is 240 MM BTU/hr. Distillate fuel oil has heat capacity of 140,000 Btu/gal.

\[
\left(240 \text{ MM BTU/hr}\right) \times \left(8,760 \text{ hrs/yr}\right) \times 1/(140,000 \text{ Btu/gal}) = 15.017 \text{ MM gal/yr}
\]

Maximum #2 fuel oil (distillate oil) consumption is 15.017 million gallons per year for Boiler #1, Boiler #2, Boiler #3 & Boiler #4.

All of the four boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from all of the four boilers are exhausted through one common stack which is identified as Emission Point B0001.

The installation of the Victory Energy boilers, Boilers #1, #2, #3 & #4 maintains the nominal capacity of each of these boilers at 60.3 million Btus of heat input per hour when firing natural gas and 57.6 million Btus of heat input when firing distillate fuel oil.

Emission Source/Control: BLR01 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR02 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR03 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BLR04 - Combustion
Design Capacity: 60 million Btu per hour

Emission Source/Control: BRLC1 - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control: BRLC2 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC3 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Emission Source/Control: BLRC4 - Control
Control Type: LOW NOX BURNERS, FLUE GAS
RECIRCULATION

Item 56.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-B0001
Process: O65  Source Classification Code: 1-02-005-02
Process Description:
Process O65 is the firing of #2 fuel oil (distillate oil) in the operation of the two identical boilers, Boilers # 5 & # 6 (Emission Sources BLR05 & BLR06) with their corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC5 & BLRC6; respectively in Emission Unit U-B0001. Emission Sources BLR05 & BLR06 are two identical Victory Energy Voyager Series VS4-48 boilers with a nominal rated capacity of 95 MM Btu/hr heat input and 80,000 pounds per hour of steam output each at 125 psig. The maximum total heat input from these two boilers is 190 MM BTU/hr. Distillate fuel oil has heat capacity of 140,000 Btu/gal.

\[
\frac{(190\text{ MM BTU/hr}) \times (8,760\text{ hrs/yr})}{140,000\text{ Btu/gal}} = 11.889\text{ MM gal/yr}
\]

Maximum #2 fuel oil consumption is 11.89 million gallons per year for Boilers #5 & Boiler #6.

These two boilers supply both hot water and steam for the space heating and the air conditioning of the building. Emissions from these two boilers are exhausted through one common stack which is dentified as Emission Point B0001.

Boiler #6 (Emission Source B0006) has been already refurbished in 2013 and is now identified as Emission Source BLR06 with its corresponding Low NOX Burners, Flue Gas Recirculation Emission Controls - BLRC6 in Emission Unit U-B0001 as 95 MM Btu/hr Victory Energy Voyager-VS4-48 boiler.

Emission Source/Control: BLR05 - Combustion
Design Capacity: 95 million Btu per hour
Emission Source/Control: BLR06 - Combustion
Design Capacity: 95 million Btu per hour

Emission Source/Control: BLRC5 - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Emission Source/Control: BLRC6 - Control
Control Type: LOW NOX BURNERS, FLUE GAS RECIRCULATION

Item 56.5:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U--CDRP
Process: ENG Source Classification Code: 2-02-001-02
Process Description:
Process ENG is the firing of distillate (diesel) fuel oil at 100% load in each of the four 2206 bhp-hr or 1500 Kilowatts electric rating Caterpillar CAT 3512C engines (Emission Sources ENG01, ENG02, ENG03 & ENG04) in Emission Unit U-CDRP. The total throughput rates are for the combined four engines. The quantity per year is based on each engine operating 200 hours annually at full (100%) load. Each of the four new Caterpillar CAT 3512C electric generator is rated at 2206 bhp-hr or 1500 electrical kilowatts (EKW) and is a 2018 model year with Tier II emission rates.

Each generator will have its own stack (Emission Points EPTG1, EPTG2, EPTG3 and EPTG4). The emissions of the four 2206 bhp-hr or 1500 Kilowatts electric rating Caterpillar CAT 3512C engines (Emission Sources ENG01, ENG02, ENG03 & ENG04) are exhausted through Emission Points EPTG1, EPTG2, EPTG3 and EPTG4; respectively.

Emission Source/Control: ENG01 - Combustion
Design Capacity: 1,500 kilowatts

Emission Source/Control: ENG02 - Combustion
Design Capacity: 1,500 kilowatts

Emission Source/Control: ENG03 - Combustion
Design Capacity: 1,500 kilowatts

Emission Source/Control: ENG04 - Combustion
Design Capacity: 1,500 kilowatts

Condition 57: Emission Unit Permissible Emissions
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR 201-7.1
Item 57.1: The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-B0001

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 29.6 pounds per hour
259,296 pounds per year

Emission Unit: U--CDRP

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 106.51 pounds per hour
21,302 pounds per year

Condition 58: Process Permissible Emissions
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 58.1: The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-B0001 Process: G41

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 14.4 pounds per hour
126,144 pounds per year

Emission Unit: U-B0001 Process: G65

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 15.2 pounds per hour
133,152 pounds per year

Emission Unit: U-B0001 Process: O41

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 14.4 pounds per hour
126,144 pounds per year

Emission Unit: U-B0001 Process: O65
Permit ID: 2-6204-00059/00001 Facility DEC ID: 2620400059

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CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 15.2 pounds per hour 133,152 pounds per year

Emission Unit: U--CDRP Process: ENG

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 106.5 pounds per hour 21,302 pounds per year

Condition 59: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 05/12/2019 and 05/11/2024
Applicable Federal Requirement: 40 CFR 60, NSPS Subpart A

Item 59.1:
This Condition applies to Emission Unit: U-B0001 Emission Point: B0001 Process: G41 Emission Source: BLR01

Item 59.2:
This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 60: Compliance Certification Effective between the dates of 05/12/2019 and 05/11/2024
Applicable Federal Requirement: 6 NYCRR 227.2 (b) (1)

Item 60.1:
The Compliance Certification activity will be performed for the facility: The Compliance Certification applies to:

Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR01
Process: O41

Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR02
Process: O41

Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR03
Process: O41

Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR04
Process: O41

Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR05
Process: O65

Emission Unit: U-B0001 Emission Point: B0001
Process: O65  Emission Source: BLR06

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

Item 60.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

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

1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.

2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.

4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

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

Condition 61:  Performance testing timeline.
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.8(a), NSPS Subpart A

Item 61.1:
This Condition applies to Emission Unit: U-B0001  Emission Point: B0001
   Process: O41  Emission Source: BLR01

Item 61.2:
Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

**Condition 62: Applicability of this Subpart to this emission source**  
**Effective between the dates of 05/12/2019 and 05/11/2024**

**Applicable Federal Requirement:** 40CFR 60.40c, NSPS Subpart Dc

**Item 62.1:**  
This Condition applies to  
Emission Unit: U-B0001  
Emission Point: B0001  
Process: O41  
Emission Source: BLR01

**Item 62.2:**  
This emission source is subject to the applicable General Provisions of 40 CFR 60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

**Condition 63: Exemption from the averaging period.**  
**Effective between the dates of 05/12/2019 and 05/11/2024**

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

**Item 63.1:**  
This Condition applies to  
Emission Unit: U-B0001  
Emission Point: B0001  
Process: O41  
Emission Source: BLR01

**Item 63.2:**  
Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

**Condition 64: Enforceability**  
**Effective between the dates of 05/12/2019 and 05/11/2024**

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

**Item 64.1:**  
This Condition applies to  
Emission Unit: U-B0001  
Emission Point: B0001  
Process: O41  
Emission Source: BLR01

**Item 64.2:**  
The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.
Condition 65: Exemption from sulfur dioxide monitoring requirements. Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40 CFR 60.46c(e), NSPS Subpart Dc

Item 65.1:
This Condition applies to Emission Unit: U-B0001 Emission Point: B0001 Process: O41 Emission Source: BLR01

Item 65.2:
Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

Condition 66: Compliance Certification Effective between the dates of 05/12/2019 and 05/11/2024

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

Item 66.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
<th>Emission Source: BLR01</th>
</tr>
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<tbody>
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<td>Process: O41</td>
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<th>Emission Source: BLR02</th>
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<th>Emission Source: BLR05</th>
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<th>Emission Source: BLR06</th>
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<tbody>
<tr>
<td>Process: O65</td>
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</tr>
</tbody>
</table>

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 66.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 67: Compliance Certification**
**Effective between the dates of 05/12/2019 and 05/11/2024**

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

**Item 67.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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<thead>
<tr>
<th>Emission Unit: U-B0001</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Process: O41</td>
<td>Emission Source: BLR01</td>
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<td>Process: O41</td>
<td>Emission Source: BLR02</td>
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<tr>
<td>Process: O41</td>
<td>Emission Source: BLR03</td>
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<td>Emission Source: BLR04</td>
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<td>Process: O65</td>
<td>Emission Source: BLR05</td>
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</thead>
<tbody>
<tr>
<td>Process: O65</td>
<td>Emission Source: BLR06</td>
</tr>
</tbody>
</table>

**Regulated Contaminant(s):**
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 67.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records as required under §60.48c(d) including the following information.

Calendar dates covered in the reporting period.
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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.48c(e)(2), NSPS Subpart Dc

Item 68.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U-B0001 Emission Point: B0001
  Process: O41 Emission Source: BLR01

- Emission Unit: U-B0001 Emission Point: B0001
  Process: O41 Emission Source: BLR02

- Emission Unit: U-B0001 Emission Point: B0001
  Process: O41 Emission Source: BLR03

- Emission Unit: U-B0001 Emission Point: B0001
  Process: O41 Emission Source: BLR04

- Emission Unit: U-B0001 Emission Point: B0001
  Process: O65 Emission Source: BLR05

- Emission Unit: U-B0001 Emission Point: B0001
  Process: O65 Emission Source: BLR06

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 68.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average SO2 emission rate, or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period in
the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 69: Compliance Certification**
**Effective between the dates of 05/12/2019 and 05/11/2024**

**Applicable Federal Requirement:** 40CFR 60.48c(e)(3), NSPS Subpart Dc

**Item 69.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

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<thead>
<tr>
<th>Emission Unit: U-B0001</th>
<th>Emission Point: B0001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: O41</td>
<td>Emission Source: BLR01</td>
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<td>Emission Point: B0001</td>
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<tr>
<td>Process: O65</td>
<td>Emission Source: BLR06</td>
</tr>
</tbody>
</table>

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 69.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.
Each 30-day average percent of potential SO2 emission rate calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 70: Compliance Certification**
**Effective between the dates of 05/12/2019 and 05/11/2024**

**Applicable Federal Requirement:** 40CFR 60.48c(e)(4), NSPS Subpart Dc

**Item 70.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U-B0001 Emission Point: B0001
  Process: O41 Emission Source: BLR01
- Emission Unit: U-B0001 Emission Point: B0001
  Process: O41 Emission Source: BLR02
- Emission Unit: U-B0001 Emission Point: B0001
  Process: O41 Emission Source: BLR03
- Emission Unit: U-B0001 Emission Point: B0001
  Process: O41 Emission Source: BLR04
- Emission Unit: U-B0001 Emission Point: B0001
  Process: O65 Emission Source: BLR05
- Emission Unit: U-B0001 Emission Point: B0001
  Process: O65 Emission Source: BLR06

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 70.2:**
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of each affected facility subject to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the
Identification of any steam generating unit operating days for which SO2 or diluent (oxygen or carbon dioxide) data have not been obtained by an approved method for at least 75 percent of the operating hours; justification for not obtaining sufficient data; and a description of corrective actions taken.

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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 71: Compliance Certification**
**Effective between the dates of 05/12/2019 and 05/11/2024**

**Applicable Federal Requirement:** 40CFR 60.48c(e)(7), NSPS Subpart Dc

**Item 71.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR01
- Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR02
- Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR03
- Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR04
- Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR05
- Emission Unit: U-B0001 Emission Point: B0001 Emission Source: BLR06

**Regulated Contaminant(s):**
- CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 71.2:**
Compliance Certification shall include the following monitoring:

**Monitoring Type:** RECORD KEEPING/MAINTENANCE PROCEDURES
**Monitoring Description:**
The owner or operator of each affected facility subject...
to the SO2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Identification of whether averages have been obtained based on CEMS rather than manual sampling methods.

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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 72: Compliance Certification**
Effective between the dates of 05/12/2019 and 05/11/2024

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

**Item 72.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR01
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR02
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR03
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR04
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR05
- Emission Unit: U-B0001  Emission Point: B0001  Emission Source: BLR06

**Regulated Contaminant(s):**
CAS No: 007446-09-5  SULFUR DIOXIDE

**Item 72.2:**
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 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: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 4/30/2020.  
Subsequent reports are due every 12 calendar month(s).

**Condition 73: Compliance Certification**  
*Effective between the dates of 05/12/2019 and 05/11/2024*

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

**Item 73.1:**  
The Compliance Certification activity will be performed for the facility:  
The Compliance Certification applies to:

- Emission Unit: U-B0001  
  Process: O41  
  Emission Point: B0001  
  Emission Source: BLR01

- Emission Unit: U-B0001  
  Process: O41  
  Emission Point: B0001  
  Emission Source: BLR02

- Emission Unit: U-B0001  
  Process: O41  
  Emission Point: B0001  
  Emission Source: BLR03

- Emission Unit: U-B0001  
  Process: O41  
  Emission Point: B0001  
  Emission Source: BLR04

- Emission Unit: U-B0001  
  Process: O65  
  Emission Point: B0001  
  Emission Source: BLR05

- Emission Unit: U-B0001  
  Process: O65  
  Emission Point: B0001  
  Emission Source: BLR06

**Item 73.2:**  
Compliance Certification shall include the following monitoring:

- 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 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

**Condition 74: Compliance Certification**
**Effective between the dates of 05/12/2019 and 05/11/2024**

**Applicable Federal Requirement:** 6 NYCRR 227-1.3

**Item 74.1:**
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG1</th>
<th>Emission Source: ENG01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG2</th>
<th>Emission Source: ENG02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG3</th>
<th>Emission Source: ENG03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Unit: U--CDRP</th>
<th>Emission Point: EPTG4</th>
<th>Emission Source: ENG04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process: ENG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Item 74.2:**
Compliance Certification shall include the following monitoring:

**Monitoring Type:** RECORD KEEPING/MAINTENANCE PROCEDURES
**Monitoring Description:**
Operators of oil-fired internal combustion engines 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 internal combustion engine 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:

- weather condition
- was a plume observed?

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 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.

Monitoring Frequency: DAILY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 60.4204(b), NSPS Subpart IIII

Item 75.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

<table>
<thead>
<tr>
<th>Emission Unit:</th>
<th>Process:</th>
<th>Emission Point:</th>
<th>Emission Source:</th>
</tr>
</thead>
<tbody>
<tr>
<td>U--CDRP</td>
<td>ENG</td>
<td>EPTG1</td>
<td>ENG01</td>
</tr>
</tbody>
</table>

Air Pollution Control Permit Conditions
Renewal 3 Page 83 FINAL
Item 75.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The owner or operator of a 2011 model year or later
non-emergency stationary compression ignition (CI)
internal combustion engine with a maximum engine power
greater than 2,237 kW (3,000 HP) and a displacement of
less than 10 liters/cylinder will require certification to
the emission standards for new nonroad CI engines in 40
CFR 1039.101, 40 CFR 1039.102, 40 CFR 1039.104, 40 CFR
1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, as
applicable, for all pollutants, for the same model year
and maximum engine power. Compliance with this
requirement will be established by purchasing an engine
certified to the emission standard referenced above and
having it installed and configured according to the
manufacturer's specifications. Records documenting these
actions must be kept on-site.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2020.
Subsequent reports are due every 12 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable Federal Requirement: 40CFR 80.510(b), Subpart I

Item 76.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U--CDRP Emission Point: EPTG1
Process: ENG Emission Source: ENG01

Emission Unit: U--CDRP Emission Point: EPTG2
Process: ENG Emission Source: ENG02
Item 76.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Beginning June 1, 2010: Except as otherwise specifically provided in 40 CFR 80 Subpart I, all nonroad and locomotive marine diesel fuel is subject to the following per-gallon standards for sulfur content:

15 ppm maximum for NR diesel fuel.

Parameter Monitored: SULFUR
Upper Permit Limit: 15 parts per million by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2019.
Subsequent reports are due every 6 calendar month(s).

Emission Unit: U--CDRP Emission Point: EPTG3
Process: ENG Emission Source: ENG03

Emission Unit: U--CDRP Emission Point: EPTG4
Process: ENG Emission Source: ENG04
STATE ONLY ENFORCEABLE CONDITIONS

**** Facility Level ****

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

Item A:  Emergency Defense - 6 NYCRR 201-1.5

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

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

(1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
(2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
(3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
(4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

Condition 77: Contaminant List
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable State Requirement:ECL 19-0301

Item 77.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit (emission limits, control requirements or compliance monitoring conditions).

- CAS No: 000630-08-0
  Name: CARBON MONOXIDE

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

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

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

- CAS No: 0NY508-00-0
  Name: 40 CFR 60 SUBPART IIII - NMHC + NOX

Condition 78: Malfunctions and start-up/shutdown activities
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable State Requirement:6 NYCRR 201-1.4
Item 78.1:
(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 79: Air pollution prohibited
Effective between the dates of 05/12/2019 and 05/11/2024

Applicable State Requirement: 6 NYCRR 211.1

Item 79.1:
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.