

Facility DEC ID: 2600700259

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6007-00259/00033
Effective Date:

Expiration Date:

Permit Issued To: NYC DEPT OF CORRECTION
75-20 ASTORIA BLVD
EAST ELMHURST, NY 11370-3001

Contact: MICHAEL LEONARD
NYC DEPT OF CORRECTION
600 MANDINICI RD
EAST ELMHURST, NY 11370
(718) 546-2836

Facility: NYC-DOC - RIKERS ISLAND
17-25 HAZEN ST
EAST ELMHURST, NY 11370

Contact: CHRISTOPHER CLARKE
NYC DEPARTMENT OF CORRECTION
17-25 HAZEN ST
EAST ELMHURST, NY 11370
(718) 546-1945

Description:

This is a Title V renewal permit for NYC-DOC – Rikers Island.

New York City Department of Correction (NYC DOC) maintains a prison facility on Rikers Island in the East River, near both the boroughs of Queens and the Bronx. A powerhouse operates in a separate structure on the island, producing electric power for the entire island as well as process steam for heating, hot water and laundry. The facility also has a spray booth for painting repaired parts of buses and vehicles for NYCDOC, and fifty one (51) emergency diesel engines scattered throughout Rikers Island facility for emergency support.

The Powerhouse has the following air emission sources:

1. Eight boilers with a capacity of 96 mmbtu/hr each (listed in emission units U00001, U00002 and U00003) retrofitted with low NOx burners and utilizing natural gas as the primary fuel and #2 fuel oil as back up. These boilers comply with NOx RACT limit 0.08lb/mmbtu by fuel switching option as per 227-2.5(a).
2. Spray paint booth (listed in emission unit U00009) located in the garage where the vehicles are served. The spray booth is used for painting repaired parts of buses and vehicles for NYCDOC and the coatings are subject to 6 NYCRR Part 227-8

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requirements. The maximum annual emissions of VOCs from the painting process are limited to 2.49 tons per year.

3. Nineteen (19) internal combustion engines (listed in emission unit U00010) which have the option to participate in Demand Response Program with Con Edison. Only ten (10) engines with alternate NOx RACT variance emission limits are permitted to participate in the program to ensure compliance with 1-hr NO2 National Ambient Air Quality Standard (NAAQS). The nineteen (19) engines can operate as emergency generators. The total NOx emissions from these engines are limited to 22.5 tons per year.

4. Two 7.5 MW natural gas-fired combined cycle combustion turbines each equipped with duct firing and heat recovery steam generators (HRSGs), and one 1.5 MW emergency black start engine generator. These cogeneration units permitted under emission unit U00011 are subject to New Source Review Part 231-6 requirements. The facility purchased 67.6 tpy of NOx to offset the NOx emissions of 52 tpy. The LAER NOx limits of the turbines are 12 ppmvd @15% O2 without duct firing and 15 ppmvd @15% O2 with duct firing. The total NOx emissions from this emission unit are limited to 52 tons per year.

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: ___ / ___ / ___

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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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- 6 4 Permit modifications, suspensions or revocations by the Department

Facility Level

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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

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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

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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EAST ELMHURST, NY 11370-3001

Facility: NYC-DOC - RIKERS ISLAND
17-25 HAZEN ST
EAST ELMHURST, NY 11370

Authorized Activity By Standard Industrial Classification Code:
5541 - GASOLINE SERVICE STATIONS
7532 - TOP AND BODY REPAIR AND PAINT SHOPS
9223 - CORRECTIONAL INSTITUTIONS

Permit Effective Date:

Permit Expiration Date:

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23	25	6 NYCRR 225-1.2 (d): Compliance Certification
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36	37	40CFR 60.40c, NSPS Subpart Dc: Applicability of Subpart Dc General Provisions
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38	39	40CFR 60, NSPS Subpart IIII: Applicability
38	40	40CFR 60, NSPS Subpart KKKK: Applicability
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40 43 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 43 44 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00001,EP=U0001

47 45 6 NYCRR 227-1.5 (b) (2): Compliance Certification
 48 46 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
 48 47 40CFR 60.13(c), NSPS Subpart A: Compliance Certification

EU=U-00009,Proc=00P

49 48 6 NYCRR 228-1.3 (b) (1): Compliance Certification
 50 49 6 NYCRR 228-1.3 (d): Compliance Certification

EU=U-00009,Proc=00P,ES=0000P

52 50 6 NYCRR Subpart 231-2: Compliance Certification

EU=U-00009,EP=00009

53 51 6 NYCRR 228-1.3 (a): Compliance Certification

EU=U-00009,EP=00009,Proc=00P,ES=0000P

54 52 6 NYCRR 228-1.4 (a) (2): Compliance Certification

EU=U-00010,Proc=GEN,ES=00010

55 53 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00011

56 54 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00012

57 55 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00013

57 56 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00014

58 57 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00015

59 58 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00020

60 59 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00022

61 60 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00024

61 61 6 NYCRR 200.6: Compliance Certification

EU=U-00010,Proc=GEN,ES=00025

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- 62 62 6 NYCRR 200.6: Compliance Certification
- EU=U-00010,EP=00010,Proc=GEN,ES=00010**
- 63 63 6 NYCRR 227-2.5 (c): Compliance Certification
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- 64 65 6 NYCRR 227-2.5 (c): Compliance Certification
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- 65 66 6 NYCRR 227-2.5 (c): Compliance Certification
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- 66 67 6 NYCRR 227-2.5 (c): Compliance Certification
- EU=U-00010,EP=00015,Proc=GEN,ES=00015**
- 66 68 6 NYCRR 227-2.5 (c): Compliance Certification
- EU=U-00010,EP=00020,Proc=GEN,ES=00020**
- 67 69 6 NYCRR 227-2.5 (c): Compliance Certification
- EU=U-00010,EP=00022,Proc=GEN,ES=00022**
- 68 70 6 NYCRR 227-2.5 (c): Compliance Certification
- EU=U-00010,EP=00024,Proc=GEN,ES=00024**
- 68 71 6 NYCRR 227-2.5 (c): Compliance Certification
- EU=U-00010,EP=00025,Proc=GEN,ES=00025**
- 69 72 6 NYCRR 227-2.5 (c): Compliance Certification
- EU=U-00011**
- 70 73 6 NYCRR 231-6.4: Compliance Certification
- 71 74 6 NYCRR 231-6.6: Compliance Certification
- 72 75 40CFR 60.4205(b), NSPS Subpart IIII: Compliance Certification
- EU=U-00011**
- 73 76 40CFR 60.4340(a), NSPS Subpart KKKK: Compliance Certification
- 74 77 40CFR 60.4400(b), NSPS Subpart KKKK: NOx performance testing methodology
- EU=U-00011,Proc=007**
- 74 78 6 NYCRR 231-6.5: Compliance Certification
- 75 79 6 NYCRR 231-6.5: Compliance Certification
- 76 80 40CFR 60.4365(a), NSPS Subpart KKKK: Compliance Certification
- 77 81 40CFR 60.4400(a), NSPS Subpart KKKK: Test methods for NOx
- STATE ONLY ENFORCEABLE CONDITIONS**
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- 80 82 ECL 19-0301: Contaminant List
- 80 83 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities

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81 84 6 NYCRR 211.1: Air pollution prohibited

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 3/DRAFT

**** 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

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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

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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

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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

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

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

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

**Condition 1: Acceptable Ambient Air Quality
Effective for entire length of Permit****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

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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

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reports required by the permit.

**Condition 5: Compliance Certification
Effective for entire length of Permit**

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,

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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

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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.

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

**Condition 6: Compliance Certification
Effective for entire length of Permit**

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

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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:

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

Monitoring Frequency: ANNUALLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2024.
 Subsequent reports are due on the same day each year

Condition 7: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

(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 8: Open Fires - Prohibitions
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:

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 8.2

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.

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- (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 9: Maintenance of Equipment
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 9.1:

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.

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Condition 10: Recycling and Salvage
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 10.1:

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 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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 12: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 12.1:

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 13: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 13.1:

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 14: Requirement to Provide Information
Effective for entire length of Permit

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

Item 14.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any

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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 15: Right to Inspect
Effective for entire length of Permit

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

Item 15.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 16: Required Emissions Tests
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 16.1:

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 17: Accidental release provisions.
Effective for entire length of Permit

Applicable Federal Requirement:40 CFR Part 68

Item 17.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in

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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 18: Recycling and Emissions Reduction
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 18.1:

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 19: Emission Unit Definition
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 19.1:

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit comprised of four Keeler 96 mmbtu/hr boilers (primarily burn natural gas with #2 oil as back up) each capable of producing 70,000 lb/hr of 150 psi steam. Each boiler is retrofitted with two low NOx burners. The four boilers discharge through a common stack(emission point U0001) and opacity is monitored using a continuous opacity monitoring system (COMS).

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Building(s): 14

Item 19.2:

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

Emission Unit: U-00002

Emission Unit Description:

This emission unit is comprised of two Keeler 96 mmbtu/hr boilers (primarily burn natural gas with #2 oil as back up), each capable of producing 70,000 lb/hr of 150 psi steam. Each boiler is retrofitted with two low NOx burners. The two boilers discharge through a common stack.

Building(s): 14

Item 19.3:

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

Emission Unit: U-00003

Emission Unit Description:

This emission unit is comprised of one Keeler 96 mmbtu/hr boiler (primarily burn natural gas with #2 oil as back up), and one Union Iron Works boiler, each capable of producing 70,000 lb/hr of 150 psi steam. Each boiler is retrofitted with two low NOx burners. The two boilers discharge through a common stack.

Building(s): 14

Item 19.4:

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

Emission Unit: U-00009

Emission Unit Description:

A spray paint booth has been installed in the garage for motor vehicle refinishing. The spray paint booth is used 4 hrs/day, 235 days/yr. Emission exhaust stack will be located above the roof of the garage.

Building(s): GARAGE

Item 19.5:

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

Emission Unit: U-00010

Emission Unit Description:

This Emission unit consists of nineteen (19) generators (four 1100 KW, two 800 KW, three 900KW, one 625 KW, and nine 1150 KW), which have the option of enrolling in Demand Response Program during the power peak seasons, but only ten (10) engines (emission sources 00010, 00011, 00012, 00013, 00014, 00015, 00020, 00022, 00024 & 00025) are permitted to participate in the Demand Response Program. Each engine has its own stack. In addition to regular testing, these 19 engines may also be operating

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during emergencies.

The total NO_x emissions from this emission unit are limited to 22.5 tpy.

Fourteen (14) of these generators were stack tested in August and September 2018 which performed at above 2.3 gm/bhp-hr (the presumptive engine NO_x RACT limit) and below 9.2 gm/bhp-hr. The emission factors used in calculating emissions are tested values (NO_x only). For five (5) generators are not tested, the emission factor used is 9.2 gm/bhp-hr. Testing of these five generators (emission sources 00021, 00023, 00026, 00027 & 00028) will be performed later based on DEC's approval and will not participate in Demand Response Program until a variance/approval is sought and 1-hr NO₂ dispersion modeling is approved.

A NO_x RACT analysis and variance request for the fourteen (14) engines those did not meet NO_x RACT limit 2.3gm/bhp is attached to the application. The facility also has performed an air dispersion modeling with 14 engines to demonstrate compliance with the 1-hr NO₂ National Ambient Air Quality standard(NAAQS), and in order to avoid exceedances of the NAAQS 1-hr NO₂ standard, only ten (10) emission sources (00010, 00011, 00012, 00013, 00014, 00015, 00020, 00022, 00024 & 00025) are permitted to participate in the Demand Response Program. In the future if the facility plans to operate the remaining four emission sources (00016, 00017, 00018, 00019) under Demand Response Program, the facility will perform 1-hr NO₂ dispersion modeling to demonstrate compliance with the standards.

All these engines were manufactured between 1985-1988.

Building(s): GRVC
OBCC
RMSC
WF

Item 19.6:

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

Emission Unit: U-00011

Emission Unit Description:

This emission unit is comprised of the cogeneration plant equipment, which includes two 7.5 MW natural gas-fired combined cycle combustion turbines equipped with duct firing heat recovery steam generators, and one 1500 KW emergency blackstart generator. Each turbine and the duct firing HRSG combination has an individual exhaust stack. The stack is approximately 150 feet high. The emergency black start generator is a 1500 KW generator that is used

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to kick-start the turbines in an emergency situation only.

Rikers Island purchased 67.6 tpy of NO_x to offset the Cogeneration plant emissions of 52 tpy (52 x 1.3 = 67.7)

Building(s): 15

**Condition 20: Progress Reports Due Semiannually
Effective for entire length of Permit**

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

Item 20.1:

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 21: Operational Flexibility
Effective for entire length of Permit**

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

Item 21.1:

A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

**Condition 22: Notification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 202-1.2

Item 22.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

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**Condition 23: Statement dates for emissions statements.
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 202-2.4 (a) (3)

Item 23.1:

This facility is required to submit an annual emission statement electronically and these emissions statements must be submitted to the department as per the following schedule:

- (i) March 15th of each year for facilities with three or fewer processes listed in their Title V permit:
- (ii) March 31st of each year for facilities with four to six processes listed in their Title V permit:
- (iii) April 15th of each year for facilities with 7 to 12 processes listed in their Title V permit:
- (iv) April 30th of each year for facilities with 13 or more processes listed in their Title V permit.

**Condition 24: Visible Emissions Limited
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 211.2

Item 24.1:

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 25: Compliance Certification
Effective for entire length of Permit**

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Owners or operators of emission sources that fire distillate oil are limited to a 0.0015 percent sulfur content by weight of the fuel. Compliance with the

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sulfur-in-fuel limitation is based on fuel vendor receipts. All fuel vendor receipts must be maintained on site or at a Department approved alternative location for a minimum of five years.

Note - Process sources and incinerators must comply with the above requirements on or after July 1, 2023.

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: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 26: Compliance Certification
 Effective for entire length of Permit**

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must make daily measurements of the rate of each fuel fired at the facility. The owner or operator must also measure the gross heat content and ash content of each fuel fired at least once each week if this information is not provided in the vendor fuel certification receipts. Owners or operators of stationary combustion installations producing electricity for sale must measure the average electrical output and the hourly generation rate of the facility. These records must be maintained on site or at a Department approved alternative location for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 27: Compliance Certification
 Effective for entire length of Permit**

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Applicable Federal Requirement:6 NYCRR 225-1.6 (f)

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must maintain records of excess emissions. The owner or operator must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance[s] takes place. These records must be kept on site or at a Department approved alternative location for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 28: Compliance Certification
Effective for entire length of Permit**

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

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator of a stationary combustion installation (excluding combustion turbines) or a group of stationary combustion installations firing oil or oil in combination with other liquid or gaseous fuels with a total maximum heat input capacity of at least 50 million Btus per hour is required to meet the 0.1 lbs/mmBtu particulate matter standard. Compliance with this standard will be met by keeping vendor certified fuel receipts which contain the sulfur content of the oil being

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fired as required in Subpart 225-1 of this Title.

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

Condition 29: Compliance Certification
Effective for entire length of Permit

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

Item 29.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Emission Unit: U-00003

Emission Unit: U-00010

Emission Unit: U-00011

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation must perform an annual tune-up on each emission source subject to 6 NYCRR Subpart 227-1. Records of the tune-up shall be maintained at the facility or at a Department approved alternative location for a minimum of five years. The records shall, at a minimum, include the date the tune-up(s) occurred and the details of the tune-up procedures for each emission source.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 30: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 30.1:

The Compliance Certification activity will be performed for the facility:

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The Compliance Certification applies to:

Emission Unit: U-00001 Process: 001	Emission Point: U0001 Emission Source: 00001
Emission Unit: U-00001 Process: 001	Emission Point: U0001 Emission Source: 00002
Emission Unit: U-00001 Process: 001	Emission Point: U0001 Emission Source: 00003
Emission Unit: U-00001 Process: 001	Emission Point: U0001 Emission Source: 00004
Emission Unit: U-00001 Process: 002	Emission Point: U0001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: U0001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: U0001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: U0001 Emission Source: 00004

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM) and maintain a record of all measurements made by the COM and the hours of COM downtime. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 0 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 31: Compliance Certification
Effective for entire length of Permit

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Facility DEC ID: 2600700259

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 31.1:

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

Emission Unit: U-00002
Process: 003

Emission Unit: U-00002
Process: 004

Emission Unit: U-00003
Process: 005

Emission Unit: U-00003
Process: 006

Emission Unit: U-00009
Process: 00P

Emission Unit: U-00011
Process: 007

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a stationary combustion installation subject to this Subpart shall operate an emission source which exhibits greater than 20 percent opacity (based on a six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The owner or operator will conduct a Method 9 test annually. A report of the results of the test will be submitted to the Department within 30 days of the completion of the Method 9 test. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60, Appendix A, Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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Facility DEC ID: 2600700259

Condition 32: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 32.1:

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

Emission Unit: U-00002 Process: 004	Emission Point: U0002
Emission Unit: U-00003 Process: 006	Emission Point: U0003
Emission Unit: U-00010 Process: GEN	Emission Point: 00010
Emission Unit: U-00010 Process: GEN	Emission Point: 00011
Emission Unit: U-00010 Process: GEN	Emission Point: 00012
Emission Unit: U-00010 Process: GEN	Emission Point: 00013
Emission Unit: U-00010 Process: GEN	Emission Point: 00014
Emission Unit: U-00010 Process: GEN	Emission Point: 00015
Emission Unit: U-00010 Process: GEN	Emission Point: 00020
Emission Unit: U-00010 Process: GEN	Emission Point: 00022
Emission Unit: U-00010 Process: GEN	Emission Point: 00024
Emission Unit: U-00010 Process: GEN	Emission Point: 00025

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil firing emission sources subject to 6

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NYCRR Subpart 227-1 which do not employ a continuous opacity monitor for measuring smoke emissions, shall be required to perform the following:

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

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

3) If the operator observes any visible emissions (other than steam - see below) for two consecutive days while 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.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 33: Compliance Certification
Effective for entire length of Permit**

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

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility must monitor the amount of each fuel fired during the calendar year and calculate the percentage of operations for each fuel fired. The owner or operator will maintain these records at the facility for a minimum of five years and shall provide copies to the Department upon request. These records must be included as part of the annual NOx RACT fuel switching compliance report.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 12 calendar month(s).

**Condition 34: Compliance Certification
Effective for entire length of Permit**

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

Item 34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 001

Emission Source: 00001

Emission Unit: U-00001

Process: 001

Emission Source: 00002

Emission Unit: U-00001

Process: 001

Emission Source: 00003

Emission Unit: U-00001

Process: 001

Emission Source: 00004

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Facility DEC ID: 2600700259

Emission Unit: U-00001 Process: 002	Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Source: 00004
Emission Unit: U-00002 Process: 003	Emission Source: 00005
Emission Unit: U-00002 Process: 003	Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Source: 00006
Emission Unit: U-00003 Process: 005	Emission Source: 00007
Emission Unit: U-00003 Process: 005	Emission Source: 00008
Emission Unit: U-00003 Process: 006	Emission Source: 00007
Emission Unit: U-00003 Process: 006	Emission Source: 00008
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:

The owner or operator, of an affected facility, that chooses to comply with the requirements of NOx RACT via fuel switching, must perform a stack test on both oil (distillate and/or residual) and natural gas once every five years. The test results must be submitted to the Department for approval with 60 days of stack test completion. The results of the tests will be maintained at the facility for a minimum of five years and used to

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Emission Unit: U-00010 Process: GEN	Emission Source: 00012
Emission Unit: U-00010 Process: GEN	Emission Source: 00013
Emission Unit: U-00010 Process: GEN	Emission Source: 00014
Emission Unit: U-00010 Process: GEN	Emission Source: 00015
Emission Unit: U-00010 Process: GEN	Emission Source: 00020
Emission Unit: U-00010 Process: GEN	Emission Source: 00022
Emission Unit: U-00010 Process: GEN	Emission Source: 00024
Emission Unit: U-00010 Process: GEN	Emission Source: 00025

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Each engine listed here shall be operated no more than 65 hours per year for the Demand Response Program as demonstrated in the NOx RACT analysis dated March 2020.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 65 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 36: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-2.4 (a) (1)

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

Emission Unit: U-00010 Process: GEN	Emission Source: 00010
Emission Unit: U-00010 Process: GEN	Emission Source: 00011
Emission Unit: U-00010 Process: GEN	Emission Source: 00012
Emission Unit: U-00010 Process: GEN	Emission Source: 00013
Emission Unit: U-00010 Process: GEN	Emission Source: 00014
Emission Unit: U-00010 Process: GEN	Emission Source: 00015
Emission Unit: U-00010 Process: GEN	Emission Source: 00016
Emission Unit: U-00010 Process: GEN	Emission Source: 00017
Emission Unit: U-00010 Process: GEN	Emission Source: 00018
Emission Unit: U-00010 Process: GEN	Emission Source: 00019
Emission Unit: U-00010 Process: GEN	Emission Source: 00020
Emission Unit: U-00010 Process: GEN	Emission Source: 00021
Emission Unit: U-00010 Process: GEN	Emission Source: 00022
Emission Unit: U-00010 Process: GEN	Emission Source: 00023
Emission Unit: U-00010 Process: GEN	Emission Source: 00024
Emission Unit: U-00010 Process: GEN	Emission Source: 00025
Emission Unit: U-00010 Process: GEN	Emission Source: 00026
Emission Unit: U-00010	

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Process: GEN Emission Source: 00027

Emission Unit: U-00010
 Process: GEN Emission Source: 00028

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

Item 36.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Total annual NOx emissions from 19 engines listed in this emission unit which participate in the demand response program and emergency operations are limited to 22.5 tons per year. The NOx emissions for each engine must be calculated based on the emission factors obtained from the most recent stack test, operational hours.

Daily log must be maintained at the site which shows the starting time and the ending time of operation for each engine, power output and fuel usage.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 22.5 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 37: Applicability of Subpart Dc General Provisions
 Effective for entire length of Permit**

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

Item 37.1:

This Condition applies to:

Emission Unit: U00001
 Process: 001 Emission Source: 00001

Emission Unit: U00001
 Process: 001 Emission Source: 00002

Emission Unit: U00001
 Process: 001 Emission Source: 00003

Emission Unit: U00001

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Process: 001	Emission Source: 00004
Emission Unit: U00001	
Process: 002	Emission Source: 00001
Emission Unit: U00001	
Process: 002	Emission Source: 00002
Emission Unit: U00001	
Process: 002	Emission Source: 00003
Emission Unit: U00001	
Process: 002	Emission Source: 00004
Emission Unit: U00002	
Process: 003	Emission Source: 00005
Emission Unit: U00002	
Process: 003	Emission Source: 00006
Emission Unit: U00002	
Process: 004	Emission Source: 00005
Emission Unit: U00002	
Process: 004	Emission Source: 00006
Emission Unit: U00003	Emission Point: U0003
Process: 005	Emission Source: 00007
Emission Unit: U00003	Emission Point: U0003
Process: 005	Emission Source: 00008
Emission Unit: U00003	Emission Point: U0003
Process: 006	Emission Source: 00007
Emission Unit: U00003	Emission Point: U0003
Process: 006	Emission Source: 00008

Item 37.2:

For any emission sources that are 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 38: Compliance Certification
Effective for entire length of Permit**

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

Item 38.1:

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

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than 10.7 gigajoules (10 MMBtu) per hour, based on the higher heating value of the fuel, which commenced construction, modification, or reconstruction after February 18, 2005 are subject to the requirements of 40 CFR 60 Subpart KKKK.

**Condition 41: Applicability
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 41.1:

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

**Condition 42: Engines at Area sources of HAP
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 42.1:

This Condition applies to:

- Emission Unit: U00010
Process: GEN Emission Source: 00010
- Emission Unit: U00010
Process: GEN Emission Source: 00011
- Emission Unit: U00010
Process: GEN Emission Source: 00012
- Emission Unit: U00010
Process: GEN Emission Source: 00013
- Emission Unit: U00010
Process: GEN Emission Source: 00014
- Emission Unit: U00010
Process: GEN Emission Source: 00015
- Emission Unit: U00010
Process: GEN Emission Source: 00016
- Emission Unit: U00010
Process: GEN Emission Source: 00017
- Emission Unit: U00010
Process: GEN Emission Source: 00018
- Emission Unit: U00010
Process: GEN Emission Source: 00019

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Emission Unit: U00010	
Process: GEN	Emission Source: 00020
Emission Unit: U00010	
Process: GEN	Emission Source: 00021
Emission Unit: U00010	
Process: GEN	Emission Source: 00022
Emission Unit: U00010	
Process: GEN	Emission Source: 00023
Emission Unit: U00010	
Process: GEN	Emission Source: 00024
Emission Unit: U00010	
Process: GEN	Emission Source: 00025
Emission Unit: U00010	
Process: GEN	Emission Source: 00026
Emission Unit: U00010	
Process: GEN	Emission Source: 00027
Emission Unit: U00010	
Process: GEN	Emission Source: 00028
Emission Unit: U00011	Emission Point: U0033
Process: 008	Emission Source: 00033

Item 42.2:

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.

****** Emission Unit Level ******

**Condition 43: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 43.1:

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

Emission Unit: U-00001

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

Emission Point: U0001
 Height (ft.): 182 Diameter (in.): 140
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: 14

Item 43.2:

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

Emission Unit: U-00002

Emission Point: U0002
 Height (ft.): 185 Diameter (in.): 108
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: 14

Item 43.3:

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

Emission Unit: U-00003

Emission Point: U0003
 Height (ft.): 170 Diameter (in.): 84
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: 14

Item 43.4:

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

Emission Unit: U-00009

Emission Point: 00009
 Height (ft.): 30 Diameter (in.): 48
 NYTMN (km.): 4516.2 NYTME (km.): 594.

Item 43.5:

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

Emission Unit: U-00010

Emission Point: 00010
 Height (ft.): 110 Diameter (in.): 10
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: GRVC

Emission Point: 00011
 Height (ft.): 110 Diameter (in.): 10
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: GRVC

Emission Point: 00012
 Height (ft.): 110 Diameter (in.): 10
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: GRVC

Emission Point: 00013
 Height (ft.): 110 Diameter (in.): 10
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: GRVC

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Emission Point: 00014	Height (ft.): 35	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: RMSC
Emission Point: 00015	Height (ft.): 35	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: RMSC
Emission Point: 00016	Height (ft.): 18	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: OBCC
Emission Point: 00017	Height (ft.): 18	Diameter (in.): 10	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: OBCC
Emission Point: 00018	Height (ft.): 18	Diameter (in.): 10	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: OBCC
Emission Point: 00019	Height (ft.): 18	Diameter (in.): 10	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: OBCC
Emission Point: 00020	Height (ft.): 18	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF
Emission Point: 00021	Height (ft.): 18	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF
Emission Point: 00022	Height (ft.): 18	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF
Emission Point: 00023	Height (ft.): 18	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF
Emission Point: 00024	Height (ft.): 18	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF
Emission Point: 00025	Height (ft.): 18	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF
Emission Point: 00026	Height (ft.): 18	Diameter (in.): 12	
	NYTMN (km.): 4516.6	NYTME (km.): 593.6	Building: WF

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Emission Point: 00027
 Height (ft.): 18 Diameter (in.): 12
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: WF

Emission Point: 00028
 Height (ft.): 18 Diameter (in.): 12
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: WF

Item 43.6:

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

Emission Unit: U-00011

Emission Point: U0029
 Height (ft.): 150 Diameter (in.): 60
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: 15

Emission Point: U0031
 Height (ft.): 150 Diameter (in.): 60
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: 15

Emission Point: U0033
 Height (ft.): 13 Diameter (in.): 18
 NYTMN (km.): 4516.6 NYTME (km.): 593.6 Building: 15

**Condition 44: Process Definition By Emission Unit
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 44.1:

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

Emission Unit: U-00001
 Process: 001 Source Classification Code: 1-03-006-02

Process Description:
 Boilers firing natural gas in each of the four boilers
 (00001-00004), each rated at 96 mmbtu/hr. Backup fuel
 (only during natural gas interruption) is #2 fuel oil.

Emission Source/Control: 00001 - Combustion
 Design Capacity: 96 million Btu per hour

Emission Source/Control: 00002 - Combustion
 Design Capacity: 96 million Btu per hour

Emission Source/Control: 00003 - Combustion
 Design Capacity: 96 million Btu per hour

Emission Source/Control: 00004 - Combustion
 Design Capacity: 96 million Btu per hour

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

Item 44.2:

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

Emission Unit: U-00001
Process: 002 Source Classification Code: 1-03-005-02
Process Description:
Boilers firing #2 fuel oil as a backup fuel in the
boilers during natural gas interruption.

Emission Source/Control: 00001 - Combustion
Design Capacity: 96 million Btu per hour

Emission Source/Control: 00002 - Combustion
Design Capacity: 96 million Btu per hour

Emission Source/Control: 00003 - Combustion
Design Capacity: 96 million Btu per hour

Emission Source/Control: 00004 - Combustion
Design Capacity: 96 million Btu per hour

Item 44.3:

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

Emission Unit: U-00002
Process: 003 Source Classification Code: 1-03-006-02
Process Description:
Boilers firing natural gas in each of the two boilers
(00005 & 00006), each rated at 96 mmbtu/hr. Backup fuel
(only during natural gas interruption) is #2 fuel oil.

Emission Source/Control: 00005 - Combustion
Design Capacity: 96 million Btu per hour

Emission Source/Control: 00006 - Combustion
Design Capacity: 96 million Btu per hour

Item 44.4:

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

Emission Unit: U-00002
Process: 004 Source Classification Code: 1-03-005-02
Process Description:
Boilers firing #2 fuel oil as backup fuel in the two
boilers during natural gas interruption.

Emission Source/Control: 00005 - Combustion
Design Capacity: 96 million Btu per hour

Emission Source/Control: 00006 - Combustion
Design Capacity: 96 million Btu per hour

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Emission Source/Control: 00013 - Combustion
Design Capacity: 900 kilowatts

Emission Source/Control: 00014 - Combustion
Design Capacity: 800 kilowatts

Emission Source/Control: 00015 - Combustion
Design Capacity: 800 kilowatts

Emission Source/Control: 00016 - Combustion
Design Capacity: 900 kilowatts

Emission Source/Control: 00017 - Combustion
Design Capacity: 900 kilowatts

Emission Source/Control: 00018 - Combustion
Design Capacity: 1,100 kilowatts

Emission Source/Control: 00019 - Combustion
Design Capacity: 1,100 kilowatts

Emission Source/Control: 00020 - Combustion
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00021 - Combustion
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00022 - Combustion
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00023 - Combustion
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00024 - Combustion
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00025 - Combustion
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00026 - Combustion
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00027 - Combustion
Design Capacity: 1,150 kilowatts

Emission Source/Control: 00028 - Combustion
Design Capacity: 1,150 kilowatts

Item 44.9:

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

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

Emission Unit: U-00011
Process: 007 Source Classification Code: 2-03-002-03
Process Description: Firing natural gas in the cogeneration plant

Emission Source/Control: 00029 - Combustion
Design Capacity: 7.5 megawatt

Emission Source/Control: 00030 - Combustion
Design Capacity: 7.5 megawatt

Emission Source/Control: 00031 - Combustion
Design Capacity: 38.2 million Btu per hour

Emission Source/Control: 00032 - Combustion
Design Capacity: 38.2 million Btu per hour

Item 44.10:

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

Emission Unit: U-00011
Process: 008 Source Classification Code: 2-02-004-01
Process Description: Firing diesel in the emergency blackstart engine.

Emission Source/Control: 00033 - Combustion
Design Capacity: 1.5 megawatt

**Condition 45: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 227-1.5 (b) (2)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: U0001

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator required to operate a COM shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible official as true, accurate and complete and post marked by the 30th day following the end of each calendar quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

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(i) the magnitude, date and time of each six-minute block average during which the average opacity of emissions exceeds 20 percent, except for one six-minute block average per hour not to exceed 27 percent;

(ii) identification of the specific cause and corrective action taken for each period of excess emission;

(iii) identification of all periods of COM down time, including the date, time and duration of each inoperable period, and the cause and corrective action for each COM down time period;

(iv) the total time in which the COM is required to record data during the reporting period; and

(v) the total number of exceedances and the duration of exceedances expressed as a percentage of the total time in which the COM is required to record data.

All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 46: Monitoring requirements.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 46.1:

This Condition applies to Emission Unit: U-00001 Emission Point: U0001

Item 46.2:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

**Condition 47: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.13(c), NSPS Subpart A

Item 47.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 2600700259

Emission Unit: U-00001

Emission Point: U0001

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the owner or operator of an affected facility elects to submit continuous opacity monitoring system (COMS) data for compliance with the opacity standard as provided under §60.11(e)(5), he or she shall conduct a performance evaluation of the COMS as specified in Performance Specification 1, appendix B, of 40CFR 60 before the performance test required under §60.8 is conducted. Otherwise, the owner or operator of an affected facility shall conduct a performance evaluation of the COMS or continuous emission monitoring system (CEMS) during any performance test required under §60.8 or within 30 days thereafter in accordance with the applicable performance specification in appendix B of 40CFR 60. The owner or operator of an affected facility shall conduct COMS or CEMS performance evaluations at such other times as may be required by the Administrator under section 114 of the Act.

(1) The owner or operator of an affected facility using a COMS to determine opacity compliance during any performance test required under §60.8 and as described in §60.11(e)(5) shall furnish the Administrator two or, upon request, more copies of a written report of the results of the COMS performance evaluation described in 40CFR60.13(c) at least 10 days before the performance test required under §60.8 is conducted.

(2) Except as provided in paragraph 40CFR60.13(c)(1), the owner or operator of an affected facility shall furnish the Administrator within 60 days of completion two or, upon request, more copies of a written report of the results of the performance evaluation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 48: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 228-1.3 (b) (1)

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Process: 00P

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Facility DEC ID: 2600700259

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an emission source subject to 6 NYCRR Part 228-1 must maintain the following records in a format acceptable to the department for a period of at least five years:

1. A certification from the coating supplier or manufacturer which lists the parameters used to determine the actual VOC content of each as applied coating used at the facility.
2. Purchase, usage and/or production records of each coating material, including solvents.
3. Records identifying each air cleaning device that has an overall removal efficiency of at least 90 percent.
4. Records verifying each parameter used to calculate the overall removal efficiency, as described in Equation 2 of Section 228-1.5(c), if applicable.
5. Any additional information required to determine compliance with Part 228-1.

Upon request, the owner or operator of an emission source subject to 6 NYCRR Part 228-1 must submit a copy of the records kept in accordance with this condition to the department within 90 days of receipt of the request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 49: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 228-1.3 (d)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00009
Process: 00P

Item 49.2:

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within the work area(s) associated with a coating line, the owner or operator of a facility subject to this Subpart must:

- (a) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;
- (b) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;
- (c) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;
- (d) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;
- (e) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;
- (f) minimize spills during the handling and transfer of coatings and VOC solvents; and
- (g) clean hand held spray guns by one of the following:
 - (1) an enclosed spray gun cleaning system that is kept closed when not in use;
 - (2) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;
 - (3) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or
 - (4) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC

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solvent emissions.

Open containers, if found, shall be covered and such deviations shall be noted in a log maintained in the operating area. The log shall include the following information:

- date and time of observation
- description of observed deviation from this permit condition
- corrective measures taken, if necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 50: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 231-2

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Process: 00P

Emission Source: 0000P

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The volatile organic compounds from the spray booth operation should be limited to 2.49 tons per year. Records, including but not limited to purchase and usage records of paints and solvents for the purpose of determining compliance, must maintain all required records onsite (or at a Department approved alternative location) for a minimum of five years.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: COATING

Upper Permit Limit: 2.49 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Facility DEC ID: 2600700259

Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 228-1.3 (a)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00009 Emission Point: 00009

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

Item 51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance will be determined by conducting daily observations of visible emissions from the emission unit, process, etc. to which this condition applies. The observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow). Observations must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry. If the operator observes any visible emissions (other than steam – see below) the permittee will immediately investigate any such occurrence and take corrective action, as necessary, to reduce or eliminate the emissions. If visible emissions persist after corrections are made, the permittee will immediately notify the department and may be required to conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and

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corrective actions will be kept on-site in a format acceptable to the department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

**** 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.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 52: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 228-1.4 (a) (2)

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00009

Emission Point: 00009

Process: 00P

Emission Source: 0000P

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pounds per gallon of Volatile organic compounds(VOC) content (as applied, minus water and exempt VOC) in mobile equipment repair and refinishing or color-matched coating line including repainting and repair coats, excluding automotive touch-up repair not greater than one inch in diameter, shall not exceed the following:

Automotive pretreatment primer 6.5

Automotive primer-surfacer 4.8

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Automotive primer-sealer 4.6
 Automotive topcoat: Single stage-topcoat 5.0
 2 stage basecoat/clear coat 5.0
 3 or 4-stage basecoat/clearcoat 5.2
 Multi-colored 5.7
 Automotive specialty 7.0

The owner or operator, for the purpose of determining compliance, must maintain all required records onsite (or at a Department approved alternative location) for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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.

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

**Condition 53: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GEN

Emission Source: 00010

Regulated Contaminant(s):

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

Item 53.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While operating in the Demand Response Program, the maximum capacity of the engine (emission source 00010) located in George R. Veirno Center (GRVC) building is limited to 715 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The facility shall track and record Kilowatt output while the engine is operating in the Demand Response Program. All records shall be kept at the facility for a minimum of five years.

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Facility DEC ID: 2600700259

Parameter Monitored: POWER
 Upper Permit Limit: 715 kilowatts
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 54: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
 Process: GEN Emission Source: 00011
 Regulated Contaminant(s):
 CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 54.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While operating in the Demand Response Program, the maximum capacity of the engine (emission source 00011) located in George R. Veirno Center (GRVC) building is limited to 638 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The Facility shall track and record Kilowatt output while the engine is operating in the Demand Response Program. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: POWER
 Upper Permit Limit: 638 kilowatts
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

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Facility DEC ID: 2600700259

Condition 55: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 200.6

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GEN

Emission Source: 00012

Regulated Contaminant(s):

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

Item 55.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While operating in the Demand Response Program, the maximum capacity of the engine (emission source 00012) located in George R. Veirno Center (GRVC) building is limited to 469 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The Facility shall track and record Kilowatt output while the engine is operating in the Demand Response Program. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: POWER

Upper Permit Limit: 469 kilowatts

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 200.6

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GEN

Emission Source: 00013

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Facility DEC ID: 2600700259

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

Item 56.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While operating in the Demand Response Program, the maximum capacity of the engine (emission source 00013) located in George R. Veirno Center (GRVC) building is limited to 540 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The facility shall track and record Kilowatt output while the engine is operating in the Demand Response Program. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: POWER

Upper Permit Limit: 540 kilowatts

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 200.6

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GEN

Emission Source: 00014

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

Item 57.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While operating in the Demand Response Program, the

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maximum capacity of the engine (emission source 00014) located in Rose M. Singer Center (RMSC) building is limited to 200 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The facility shall track and record Kilowatt output while the engine is operating in the Demand Response Program. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: POWER

Upper Permit Limit: 200 kilowatts

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 58: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GEN

Emission Source: 00015

Regulated Contaminant(s):

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

Item 58.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While operating in the Demand Response Program, the maximum capacity of the engine (emission source 00015) located in Rose M. Singer Center (RMSC) building is limited to 200 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The facility shall track and record Kilowatt output while the engine is operating in the Demand Response Program. All records shall be kept at the facility for a minimum of five years.

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Parameter Monitored: POWER
 Upper Permit Limit: 200 kilowatts
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 59: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010
 Process: GEN Emission Source: 00020

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

Item 59.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While operating in the Demand Response Program, the maximum capacity of the engine (emission source 00020) located in West Facility (WF) is limited to 615 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The facility shall track and record Kilowatt output while the engine is operating in the Demand Response Program. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: POWER
 Upper Permit Limit: 615 kilowatts
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

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Facility DEC ID: 2600700259

Condition 60: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 200.6

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GEN

Emission Source: 00022

Regulated Contaminant(s):

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

Item 60.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

While operating in the Demand Response Program, the maximum capacity of the engine (emission source 00022) located in West Facility (WF) is limited to 615 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The facility shall track and record Kilowatt output while the engine is operating in the Demand Response Program. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: POWER

Upper Permit Limit: 615 kilowatts

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 61: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 200.6

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Process: GEN

Emission Source: 00024

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

located in West Facility (WF) is limited to 615 KW as proposed in the modeling report dated February 2021 to avoid any exceedance of NAAQS.

The facility shall track and record Kilowatt output while the engine is operating in Demand Response Program. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: POWER
 Upper Permit Limit: 615 kilowatts
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 63: Compliance Certification
 Effective for entire length of Permit**

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

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010	Emission Point: 00010
Process: GEN	Emission Source: 00010

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00010 is limited to 7.7 g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 7.7 grams per brake horsepower-hour
 Reference Test Method: 40 CFR 60 Appendix A Method 7, 7E or 19
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 64: Compliance Certification
Effective for entire length of Permit

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

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010	Emission Point: 00011
Process: GEN	Emission Source: 00011

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00011 is limited to 9.2 g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9.2 grams per brake horsepower-hour

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

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 65: Compliance Certification
Effective for entire length of Permit

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

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010	Emission Point: 00012
Process: GEN	Emission Source: 00012

Item 65.2:

Compliance Certification shall include the following monitoring:

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00012 is limited to 7.5 g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.5 grams per brake horsepower-hour

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

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 66: Compliance Certification
Effective for entire length of Permit**

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

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Emission Point: 00013

Process: GEN

Emission Source: 00013

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00013 is limited to 7.4 g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.4 grams per brake horsepower-hour

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Reference Test Method: 40 CFR 60 Appendix A Method 7, 7E or 19
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 67: Compliance Certification
Effective for entire length of Permit

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010	Emission Point: 00014
Process: GEN	Emission Source: 00014

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00014 is limited to 7.8 g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 7.8 grams per brake horsepower-hour
 Reference Test Method: 40 CFR 60 Appendix A Method 7, 7E or 19
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Certification
Effective for entire length of Permit

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

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010	Emission Point: 00015
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Process: GEN

Emission Source: 00015

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00015 is limited to 8.1 g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 8.1 grams per brake horsepower-hour

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

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 69: Compliance Certification
Effective for entire length of Permit**

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

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010

Emission Point: 00020

Process: GEN

Emission Source: 00020

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00020 is limited to 6.9 g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a

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minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 6.9 grams per brake horsepower-hour
 Reference Test Method: 40 CFR 60 Appendix A
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective for entire length of Permit

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010	Emission Point: 00022
Process: GEN	Emission Source: 00022

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate emission limit for engine 00022 is limited to 7.0 g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 7.0 grams per brake horsepower-hour
 Reference Test Method: 40 CFR 60 Appendix A
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 71: Compliance Certification
Effective for entire length of Permit

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

Permit ID: 2-6007-00259/00033

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Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010	Emission Point: 00024
Process: GEN	Emission Source: 00024

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00024 is limited to 7.7g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 7.7 grams per brake horsepower-hour

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

Monitoring Frequency: Once every five years

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 72: Compliance Certification
Effective for entire length of Permit**

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

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00010	Emission Point: 00025
Process: GEN	Emission Source: 00025

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternate NOx RACT emission limit for engine 00025 is limited to 6.6g/bhp-hr as demonstrated in the March 2020 NOx RACT analysis.

Rikers Island shall submit a testing protocol to the

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Department for approval a minimum of 90 days prior to any stack testing.

The owner or operator will maintain records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 6.6 grams per brake horsepower-hour
 Reference Test Method: 40 CFR 60 Appendix A Method 7, 7E or 19
 Monitoring Frequency: Once every five years
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 73: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-6.4

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Item 73.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Twelve-month (12-month) rolling NOx emissions from this emission unit shall not exceed 52 tpy .

On a monthly basis, facility must calculate total NOx emissions of two turbines, and duct firing HRSGs and emergency black start generator using the following formula to demonstrate compliance with the NOx limit.

$$X = ((A \times B) + (C \times D) + (E \times F)) / 2000$$

Where,

X = monthly NOx emission(tons);

A = the monthly fuel consumption of natural gas in the two turbines (00029 and 00030) mmscf with duct firing HRSGs (00031 and 00032) mmscf;

B = NOx emission factor from the operation of the turbines with duct firing from the most recent stack

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test(lbs/mmscf).

C = the monthly fuel consumption of natural gas in the turbines without duct firing HRSGs;

D = NOx emission factor from the operation of the turbines without duct burners from the most recent stack

test(lbs/mmscf);

E = the monthly fuel consumption of #2 fuel oil oin the emergency black start generator(10000)gallons;

F = NOx emission factor lb/1000 gallon: NSPS 40 CFR 60 Subpart IIII For Tier 2 engine category, (NMHC+ NOx) standard is 6.4 g/KW-hr.

A rolling 12-month tally shall be maintained and reported to the Department semiannually. Facility shall also maintain onsite fuel usage logs, operating hours Kw-hrs generated and supporting documentation to demonstrate compliance with the limit for a minimum period of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 52 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 74: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 231-6.6

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Regulated Contaminant(s):

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NYC-DOC - Rikers Island has purchased 67.6 TPY of NOx

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Emission Reduction Credits (ERCs) from Emission Advisors Inc. The ERCs were created from the shutdown of emission sources at the Exelon Power, LLC facility in Eddystone Borough, Delaware County Pennsylvania.

Rikers' NOx emission increase from the cogeneration project was 52 tpy, and the 67.6 tpy NOx ERCs was needed to offset the NOx increase at the ratio of 1.3: 1.

Monitoring Frequency: SINGLE OCCURRENCE
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 12 calendar month(s).

Condition 75: Compliance Certification
Effective for entire length of Permit

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

Item 75.1:

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

Emission Unit: U-00011

Process: 008

Emission Source: 00033

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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,
- 2008 model year and later - emission standards specified in 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, 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

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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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 76: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4340(a), NSPS Subpart KKKK

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

Regulated Contaminant(s):

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility is not using water or steam injection to control NOx emissions, the facility must perform annual performance tests in accordance with §60.4400 to demonstrate continuous compliance.

If the NOx emission result from the performance test is less than or equal to 75% of the NOx emission limit for the turbine, the facility may reduce the frequency of subsequent performance tests to once every two years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceeds 75% of the NOx emission limit for the turbine, the facility must resume annual performance tests.

Reference Test Method: EPA Method 7E

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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**Condition 77: NOx performance testing methodology
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.4400(b), NSPS Subpart KKKK

Item 77.1:

This Condition applies to Emission Unit: U-00011

Item 77.2:

The performance test must be done at any load condition within +/- 25% of 100% of peak load. The facility may perform testing at the highest achievable load point, if at least 75% of peak load cannot be achieved in practice. The facility must conduct three separate test runs for each performance test. The minimum time per run is 20 minutes.

If the stationary combustion turbine combusts both oil and gas as primary or backup fuels, separate performance testing is required for each fuel.

For a combined cycle and CHP turbine systems with supplemental heat (duct burner), the facility must measure the total NOx emissions after the duct burner rather than directly after the turbine. The duct burner must be in operation during the performance test.

If water or steam injection is used to control NOx with no additional post-combustion NOx control and the facility chooses to monitor the steam or water to fuel ratio in accordance with §60.4335, then that monitoring system must be operated concurrently with each EPA Method 20 or 7E run and must be used to determine the fuel consumption and the steam or water to fuel ratio necessary to comply with the applicable §60.4320 NOx emission limit.

Compliance with the applicable emission limit in §60.4320 must be demonstrated at each tested load level. Compliance is achieved if the three-run arithmetic average NOx emission rate at each tested level meets the applicable emission limit in §60.4320.

If the facility elects to install a CEMS, the performance evaluation of the CEMS may either be conducted separately or (as described in §60.4405) as part of the initial performance test of the affected unit.

The ambient temperature must be greater than 0F during the performance test.

**Condition 78: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 231-6.5

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00011
Process: 007

Permit ID: 2-6007-00259/00033

Facility DEC ID: 2600700259

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

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission Sources 00029, 00030, 00031 & 00032:
 Turbines with duct firing must meet NOx emission limit
 15ppmvd at 15% oxygen as demonstrated in the LAER analysis
 dated March 2020.

Facility shall demonstrate compliance by performing stack
 test using Department approved protocol. The owner or
 operator shall submit a testing protocol to the Department
 for approval a minimum of 30 days prior to any stack
 testing. The facility must submit a written report of the
 results of each performance test before the close of
 business on the 60th day following the completion of the
 performance test.

The facility may reduce the frequency of performance tests
 to once every two years (no more than 26 calendar months
 following the previous performance test) as allowed in 40
 CFR NSPS Subpart KKKK.

The owner or operator, for the purpose of determining
 compliance, must maintain all required records onsite (or
 at a Department approved alternative location) for a
 minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 15 parts per million by volume (dry,
 corrected to 15% O2)

Reference Test Method: 40 CFR EPA Method 7E or 19

Monitoring Frequency: ANNUALLY

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 79: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 231-6.5

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00011
 Process: 007

Permit ID: 2-6007-00259/00033

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emission Sources 00029 & 00030:
 Turbines (without duct burning) must meet NOx emission limit 12 ppmvd at 15% oxygen as demonstrated in the LAER analysis dated March 2020.

Facility shall demonstrate compliance by performing stack test using Department approved protocol. The owner or operator shall submit a testing protocol to the Department for approval a minimum of 30 days prior to any stack testing). The facility must submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

The facility may reduce the frequency of performance tests to once every two years (no more than 26 calendar months following the previous performance test) as allowed in 40 CFR NSPS Subpart KKKK.

The owner or operator, for the purpose of determining compliance, must maintain all required records onsite (or at a Department approved alternative location) for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 12 parts per million by volume (dry, corrected to 15% O2)
 Reference Test Method: 40 CFR EPA Method 7E or 19
 Monitoring Frequency: ANNUALLY
 Averaging Method: 3-HOUR BLOCK AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 80: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4365(a), NSPS Subpart KKKK

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00011

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Performance tests shall be conducted according to the test methodologies listed in §60.4400(a)(1)-(3) as applicable.

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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 in 6 NYCRR 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 demonstrate, 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 facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the 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 any 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 malfunction 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

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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 82: Contaminant List
Effective for entire length of Permit

Applicable State Requirement: ECL 19-0301

Item 82.1:

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

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

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

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

CAS No: 0NY998-00-0
Name: VOC

Condition 83: Malfunctions and Start-up/Shutdown Activities
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 201-1.4

Item 83.1:

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(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 maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, 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 monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall 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. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. 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, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility 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 84: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 211.1

Item 84.1:

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.

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