

Facility DEC ID: 2600500139

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6005-00139/00002
Effective Date:

Expiration Date:

Permit Issued To: PARKCHESTER SOUTH CONDOMINIUM
2000 E TREMONT AVE
BRONX, NY 10462-5703

Contact: STEPHEN R MASOM
PARKCHESTER SOUTH CONDOMINIUM
2000 E TREMONT AVE
BRONX, NY 10462
(718) 320-6008

Facility: PARKCHESTER SOUTH CONDOMINIUM
2020 E TREMONT AVE
BRONX, NY 10462

Contact: JOSEPH TORTORELLI
PARKCHESTER SOUTH CONDOMINIUM
2000 E TREMONT AVE
BRONX, NY 10462
(718) 320-6059

Description:

PERMIT DESCRIPTION
Parkchester South Condominium
DEC ID # 2-6005-00139/00002 (Ren #4)

Parkchester South Condominium (Parkchester), located at 2020 E. Tremont Avenue in Bronx, New York, provides heat and hot water to an apartment complex consisting of one hundred and seventy-two (172) buildings and twelve thousand two hundred and seventy-one (12,271) apartments. The facility operates four (4) dual fuel (natural gas & # 2 fuel oil) boilers that discharge through one common stack. Each boiler is connected to 2 burners for natural gas and # 2 fuel oil. With the conversion to #2 fuel oil from #6 fuel oil that began on 7/29/2019 with the first boiler (Emission Source 00001), Parkchester uses ultra low sulfur diesel (ULSD) with sulfur content of 15 PPM (0.0015% by weight) in compliance with 6 NYCRR Part 225-1.2 (d). Each boiler is connected to two burners for natural gas and #2 fuel oil. Parkchester obtained ULSD sample analysis from their fuel vendor confirming that sulfur content is 15 PPM, and will request such certification at every #2 fuel oil delivery.

The conversion of dual burners from using natural gas and #6 fuel oil to using a

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combination of natural gas and #2 ultra low-sulfur distillate (ULSD) fuel oil consisted of the replacement of the 2 burner tips for each of the boiler, and the replacement of the 2 burner guns for each of the 4 boilers. Natural gas is still being the primary fuel source.

The boilers (Emission Sources 00001, 00002, 00003 & 00004) supply steam for the space heating of their buildings. The four (4) boilers were constructed in 1939. The four (4) boilers are collectively identified as Emission Unit U-00001. Emissions from the four (4) boilers are exhausted through one common stack which is identified as Emission Point 00001. Current Emission Unit, Emission Sources, and Emission Point will remain the same, Process 001 (natural gas) will remain the same and Process 020 will be the conversion from #6 to #2 ULSD fuel oil.

As of 10/21/2019, the facility has converted the existing four (4) Foster Wheeler Type D boilers' secondary fuel type from # 6 fuel oil (residual) to # 2 fuel oil (ULSD - ultra low-sulfur distillate with a limit of 0.0015 % sulfur content by weight). Natural gas will remain as the primary fuel source for these four boilers. As a result, this has reduced the Sulfur Dioxide emissions from 130 tpy to < 25 tpy. With this fuel oil conversion to ULSD, Parkchester is no longer considered a Major Facility for SO₂ emission, since their potential to emit are below the threshold of 25 tons/year for sulfur dioxide. With the replacement of the oil guns (2 on each boiler) maximum design capacity, each of these four boiler have a maximum design capacity of 133 MM Btu/hr, so the boilers are re-classified from 99 MM Btu/hr to 133 MM Btu/hr each. This new value is related to the new oil guns (2 on each boiler) proposed for the conversion from #6 fuel oil to #2 ULSD fuel oil. The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil is 7/29/2019 and all four boilers should be running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

The facility has re-classified the four existing Foster Wheeler Type D boilers from mid-size (99 MM Btu/hr) to large boilers (133 MM Btu/hr). With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr. A mid-size boiler is defined as "a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour", and a large boiler is defined as " a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour." As a result, the NO_x RACT emission limit changes from 0.20 lbs/ MM Btu to 0.15 lbs/MM Btu. Also, the NO_x emissions equation cap of 0.15 lbs/MM Btu will be the new NO_x RACT for the large boilers operating on natural gas (Process 001) and # 2 ULSD fuel oil (Process 020). Hence, the maximum annual usage of #2 ULSD

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fuel oil will not be exceeding 31% of the total annual fuel consumption, on a BTU basis will be amended.

Part 231-2, New Source Review in non-attainment areas and ozone transport region is not applicable to this facility because these boilers have been in existence at this facility since 1939 and there is no increase in actual NO_x emissions, but a decrease from 243 tpy to 66 tpy. Also, the facility must comply with a lower NO_x RACT limit of 0.15 lbs/MM Btu and not 0.20 lbs/MM Btu.

The Title V permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission units and emission points.

The facility is subject to the provisions of Title V for sulfur dioxide and is subject to 6NYCRR 225-1.2 (d), fuel composition, sampling, analysis and use - sulfur limitations, which restricts the sulfur content of the ULSD oil utilized throughout the facility to 0.0015% by weight or less. The emission point is also subject to the particulate and smoke emission and corrective action requirements of 6NYCRR 227-1.3 (a), Stationary Combustion Installations. It is also subject to 6NYCRR 227-2.4(b)(1), Reasonably Available Control Technology (RACT) for oxides of nitrogen emission limit for large-size gas/oil boilers of 0.15 pounds per million BTU per hour on or after July 1, 2014. Parkchester South Condominium must comply with the requirements of 6NYCRR 227-2.6 (c), stack testing requirements - testing, monitoring and reporting requirements for large boilers. The facility is also subject to the Particulate emission limit of 0.10 pounds per million Btus for stationary combustion installation when firing oil as per 6 NYCRR 227.2 (b)(1), and the 20% opacity limit as per 6 NYCRR 227-1.4 (a). Finally, Parkchester South Condominium is required to comply with the requirements of 6NYCRR 617.7, determining significance, in order to prevent the reoccurrence of boiler contamination incidents such as the one that happened in august of 1999 in boilers 1, 2 & 3, the facility personnel shall do inspection (on a quarterly basis), replacement & disposal of all coalescent filters installed on boilers and gas feed line in the meter room for evidence of gas condensate build-up.

The facility has added one 115 KW (155 HP) emergency generator (Kohler Mod 100 REZDG) for protecting servers and communication systems in the Boiler/Heating Plant. The emergency generator is a USEPA certified for stationary emergency applications. The "Certificate of Conformity was submitted with this renewal application. This generator fires natural gas.

Part 231-2, New Source Review in non-attainment areas and ozone transport region is non-applicable to this facility because this facility has been in existence

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since 1939 and the only new emission source at this facility is the 115 KW exempt Kohler emergency generator, which is limited to 500 hours per year of operation and is an EPA certified for stationary emergency applications.

The facility operates other sources which are considered exempt from permitting in accordance with 6NYCRR 201-3.2(c), including four (4) #2 ULSD fuel oil storage tanks (<300,000 bbls) each, and one 115 KW (155 HP) emergency generator (Kohler Mod 100 REZDG).

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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- 7 2 Relationship of this Permit to Other Department Orders and Determinations
- 7 3 Applications for permit renewals, modifications and transfers
- 8 4 Permit modifications, suspensions or revocations by the Department

Facility Level

- 8 5 Submission of application for permit modification or renewal -
REGION 2 HEADQUARTERS

DEC SPECIAL CONDITIONS

- 9 6 Inspection, replacement & disposal of all coalescent filters installed on boilers and main gas feed line in the meter room for condensate build-up.

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DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3

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

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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) 48

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DEC SPECIAL CONDITIONS

2-4997

Condition 6: Inspection, replacement & disposal of all coalescent filters installed on boilers and main gas feed line in the meter room for condensate build-up.
Applicable State Requirement: 6 NYCRR 617.7

Item 6.1:

To prevent the re-occurrence of boiler contamination incidents such as the one that happened in August of 1999 in Boilers 001, 002 & 003 (Emission sources 00001, 00002 & 00003, respectively), the facility personnel shall do the following:

1. Inspect, on a quarterly basis, all coalescent filters that have been installed on individual boiler gas-feed lines and on the main gas feed line in the meter room, for evidence of gas condensate build-up.
2. Replace any coalescent filters that have been rendered ineffective due to build-up of condensate.
3. Dispose all wastes (contaminated filters, condensates, sediment and flush solvents) generated in accordance with applicable regulations.
4. For hazardous waste determination, facility personnel must test the condensate for the presence of Benzene and PCBs, and the hazardous characteristics (ignitability, at a minimum).
5. Shall submit a report of the results of each quarterly inspection to the Department, Division of Materials Management (Att: Joseph O'Connell) and the Division of Air Resources (Attn: Diana Menasha).

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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BRONX, NY 10462-5703

Facility: PARKCHESTER SOUTH CONDOMINIUM
2020 E TREMONT AVE
BRONX, NY 10462

Authorized Activity By Standard Industrial Classification Code:
6513 - APARTMENT BUILDING OPERATORS

Permit Effective Date:

Permit Expiration Date:

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- 7 2 6 NYCRR 201-6.4 (a) (7): Fees
- 7 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 8 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 8 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 10 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 12 7 6 NYCRR 202-2.1: Compliance Certification
- 12 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 12 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 14 10 6 NYCRR 200.7: Maintenance of Equipment
- 14 11 6 NYCRR 201-1.7: Recycling and Salvage
- 14 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 14 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 15 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 15 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 16 17 6 NYCRR 202-1.1: Required Emissions Tests
- 16 18 40 CFR Part 68: Accidental release provisions.
- 16 19 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 17 20 6 NYCRR 201-3.2 (c): Compliance Certification
- 18 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 19 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
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- 19 24 6 NYCRR 201-6.4 (g): Non Applicable requirements
- 21 25 6 NYCRR 211.2: Visible Emissions Limited
- 21 26 6 NYCRR 225-1.2 (d): Compliance Certification
- 21 27 6 NYCRR 227-2.4 (b) (1): Compliance Certification
- 25 28 6 NYCRR 227-2.6 (a): Compliance Certification
- 26 29 6 NYCRR 227-2.6 (c): Compliance Certification
- 28 30 6 NYCRR 227.2 (b) (1): Compliance Certification
- 29 31 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 30 32 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 31 33 6 NYCRR 227-2.4 (b) (1): Compliance Certification
- 32 34 6 NYCRR 227-1.3 (a): Compliance Certification
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- 34 36 6 NYCRR 227-1.4 (a): Compliance Certification

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- 37 37 ECL 19-0301: Contaminant List
- 37 38 6 NYCRR 201-1.4: Malfunctions and Start-up/Shutdown Activities
- 38 39 6 NYCRR 211.1: Air pollution prohibited

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FEDERALLY ENFORCEABLE CONDITIONS****** Facility Level ********NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

- Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.
- Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**

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

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

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

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

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

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR 201-6.4 (i)

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This Title V permit shall be reopened and revised under any of the following circumstances:

- i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

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

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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 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:

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- (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 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

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reports must be certified by the responsible official for this facility.

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

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

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation

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must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 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

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the basis of the certification;

- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related record keeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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

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

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

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

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
 Hunters Point Plaza
 47-40 21st Street
 Long Island City, NY 11101-5407

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2022.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Condition 8: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective for entire length of Permit

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Applicable Federal Requirement: 6 NYCRR 215.2**Item 9.1:**

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS

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SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

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

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

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

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**Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit**

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

Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

**Condition 15: Requirement to Provide Information
Effective for entire length of Permit**

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

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

**Condition 16: Right to Inspect
Effective for entire length of Permit**

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

Item 16.1:

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

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

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Condition 17: Required Emissions Tests
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 17.1:

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

Applicable Federal Requirement:40 CFR Part 68

Item 18.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 19: Recycling and Emissions Reduction
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 82, Subpart F

Item 19.1:

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.

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Condition 20: Compliance Certification
Effective for entire length of Permit**Applicable Federal Requirement: 6 NYCRR 201-3.2 (c)****Item 20.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility operates a 115 KW (155 HP) exempt emergency generator (Kohler Mod 100 REZDG) in the Boiler/Heating Plant from NYSDEC permitting in accordance with 6 NYCRR 201-3.1(b) and 3.2(c)(6). The following exempt generator at the facility is to operate for no more than 500 hours per year:

one 115 KW (155 HP) emergency generator (Kohler Mod 100 REZDG) for protecting servers and communication systems in the Boiler/Heating Plant.

6 NYCRR 201-3.2(c)(6):

Emergency power generating stationary internal combustion engines as defined in 200.1(cq) and engine test cells at engine manufacturing facilities that are utilized for research and development, reliability performance testing, or quality assurance performance testing.

6 NYCRR 200.1(cq):

Emergency power generating stationary internal combustion engine. A stationary internal combustion engine that operates as a mechanical or electrical power source only when the usual supply of power is unavailable, and operates for no more than 500 hours per year. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour a week to ensure reliability). A stationary internal combustion engine used for peak shaving generation is not an emergency power generating stationary internal combustion engine.

The facility is required to operate and maintain these engines and control device according to the manufacturer's emission related written instructions and specifications, and change only those emission-related settings that are permitted by the manufacturer over the entire life of the engine.

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The owner or operator of an emergency stationary compression ignition IC engine must install and maintain a non-redettable hour meter prior to startup to monitor engine usage.

Records documenting these actions and requirements must be kept on-site for establishing compliance.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 21: Emission Unit Definition
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: U-00001

Emission Unit Description:

Emission Unit U-00001 is comprised of four Foster Wheeler boilers, Boilers 001, 002, 003 and 004 (Emission Sources 00001, 00002, 00003 & 00004; respectively). Parkchester operates the four boilers as large boilers (a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour). All four boilers discharge through a common stack, identified as Emission Point 00001. The four boilers burn both natural gas (Process 001) and #2 ULSD fuel oil (Process 020). The conversion of #6 to #2 fuel oil resulted in modification of Process 020 (#2 ULSD fuel oil) and modification of oil guns/nozzles for each boiler (Emission Sources 0001, 0002, 0003 and 0004). With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr.

The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil was 7/29/2019 and all four boilers were running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

The four Foster Wheeler boilers, Boilers 001, 002, 003 and 004 (Emission Sources 00001, 00002, 00003 & 00004) fire both natural gas & ULSD #2 fuel oil. On or after July 1, 2014, the NOx RACT compliance plan rule limit for large boilers is 0.15 lb/MM Btu.

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Building(s): BPLANT

**Condition 22: Progress Reports Due Semiannually
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 201-6.4 (d) (4)****Item 22.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 23: Operational Flexibility
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 201-6.4 (f)****Item 23.1:**

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 24: Non Applicable requirements
Effective for entire length of Permit****Applicable Federal Requirement: 6 NYCRR 201-6.4 (g)****Item 24.1:**

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

6 NYCRR Subpart 231-2

Reason: The facility has converted the existing four (4) Foster Wheeler Type D boilers' secondary fuel type from # 6 fuel oil (residual) to # 2 fuel oil (ULSD - ultra low-sulfur distillate with a limit of 0.0015 % sulfur content by weight). Natural gas will remain

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as the primary fuel source for these four boilers. As a result, this will reduce the Sulfur Dioxide emissions from 130 tpy to < 25 tpy.

The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil was 7/29/2019 and all four boilers were running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

The facility has reclassifying the four existing Foster Wheeler Type D boilers from mid-size (99 MM Btu/hr) to large boilers (133 MM btu/hr). With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr, so the boilers are re-classified from 99 MM Btu/hr to 133 MM Btu/hr each. As a result, the NO_x RACT emission limit has changed from 0.20 lbs/ MM Btu to 0.15 lbs/MM Btu. Also, the NO_x emissions equation cap of 0.15 lbs/MM Btu is the new NO_x RACT for the large boilers operating on natural gas (Process 001) and # 2 ULSD fuel oil (Process 020). Hence, the maximum annual usage of #2 ULSD fuel oil will not be exceeding 31% of the total annual fuel consumption, on a BTU basis will be amended.

New Source Review is not applicable because the facility and these boilers have been in existence since 1939 and there are no increase in actual NO_x emissions, but a decrease from 243 tpy to 66 tpy. Also, the facility must comply with a lower NO_x RACT of 0.15 lbs/MM Btu and not 0.20 lbs/MM Btu.

Therefore, New Source Review, 6 NYCRR 231-2 is not applicable to this facility for the above reasons.

40 CFR 52.21 (j)

Reason: The facility has converted the existing four (4) Foster Wheeler Type D boilers' secondary fuel type from # 6 fuel oil (residual) to # 2 fuel oil (ULSD - ultra low-sulfur distillate with a limit of 0.0015 % sulfur content by weight). Natural gas will remain as the primary fuel source for these four boilers. As a result, this will reduce the Sulfur Dioxide emissions from 130 tpy to < 25 tpy. With this fuel oil conversion to ULSD, Parkchester will not be considered a Major Facility for SO₂ emission, since their potential to emit will be below the threshold of 25 tons/year for sulfur dioxide.

Therefore; 40 CFR 52-A.21, Prevention of Significant Deterioration for Sulfur Dioxide is not applicable to Parkchester South Condominium because the facility will no longer use # 6 residual fuel oil with a sulfur limit of 0.30% by weight, instead the facility will use ULSD (Ultra Low Sulfur Distillate) with a sulfur limit of 0.0015% by weight.

Condition 25: Visible Emissions Limited

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Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 211.2

Item 25.1:

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

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

Item 27.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00004
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00004

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

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

As of 10/21/2019, Parkchester South condominium has re-classified the four Foster Wheeler Type D boilers from mid-size boilers (99 MM Btu/hr) to large boilers (133 MM Btu/hr) with the replacement of the new oil guns (2 on each boiler). Parkchester South Condominium is required to perform testing the four large boilers, the four 133 MM Btu/hr each Foster Wheeler Type D boilers (Emission Sources 00001, 00002, 00003 & 00004), to verify the NOx emission limit compliance. A large boiler is a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour. All four boilers operate on natural gas (Process 001) and on #2 fuel oil (Process 020).

On or after July 1, 2014, the owner/operator of large boilers (> or equal to 100 MM Btu/hr and <250 MM Btu/hr) boilers operating on # distillate fuel oil/natural gas have a new limit of 0.15 pounds of NOx per million Btus under the NOx RACT plan for large boilers. The allowable mass emissions change based on the quantity of Btus combusted. Allowable emissions will be determined by calculating the annual MM Btu combusted using heating value of 139,620 Btu/gal for #2 ULSD fuel oil and 1,050 Btu/scf for natural gas (NG) times the amount

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of the corresponding fuel, and then comparing that result to the actual corresponding emissions.

Actual corresponding emissions is calculated as the product of the gallons of #2 ULSD fuel oil, the 139,620 Btu/gal heat value for #2 ULSD fuel oil and the 0.172 lbs NO_x/MM Btu for #2 ULSD fuel oil emission factor added to the product of MM SCF natural gas, the 1,050 Btu/SCF heat value and the 0.14 lbs NO_x/MM Btu emission factor. Compliance is achieved if the actual NO_x emission is < the allowable NO_x emission.

Prior to July 1, 2014, emission factors that were measured during the November 17, 2010 stack test will be used to determine the actual NO_x emissions from the combustion process.

Emission Factors from the November 17, 2010:

0.15 lbs NO_x/MM Btu Allowable

0.14 lbs NO_x/MM Btu for natural gas

$[24 \text{ lb NO}_x/1000 \text{ gal (as listed in AP-42, Table 1.3-1)}] \times [1 \text{ gal}/139,620 \text{ Btu}] = 0.172 \text{ lbs NO}_x/\text{MM Btu for \#2 ULSD fuel oil}$

The maximum annual usage ratio of #2 oil was determined based on the following assumptions:

1. Emission factor of 0.14 lbs NO_x/MM Btu for natural gas as per the November 17, 2010 Stack Test Results.
2. Emission factor of 0.172 lbs NO_x/MM Btu for #2 ULSD fuel oil obtained by dividing the #2 ULSD fuel oil emission factor of 24 lbs NO_x/1000 gal (as listed in AP-42, Table 1.3-1) by #2 ULSD heating value of 139,620 Btu/gal.
3. The following equation is true:

$$[\text{EF (gas)} * \text{Usage (gas)}] + [\text{EF (ULSD fuel oil)} * (\text{Usage \#2 ULSD fuel oil})] < \text{or equal to NO}_x \text{ RACT Limit}$$

$$[0.14 \text{ (lb/MM Btu)} * (1-U)] + 0.172 \text{ (lb/MM Btu)} * (U) < \text{or equal to } 0.15 \text{ (lb/MM Btu)}$$

Therefore: Usage of #2 ULSD fuel oil (on a BTU basis): $U < \text{or equal to } 31\%$

Usage of natural gas (on a BTU basis); $(1-U) > 69\%$

Solving the equation above, provides a maximum percentage of # 2 ULSD fuel oil consumption of the total annual fuel consumption, on a BTU basis. If an annual # 2 ULSD fuel oil consumption (on a BTU basis) exceeds 31% of the total annual fuel consumption, then the NO_x RACT limit of 6 NYCRR 227-2.4 will be exceeded causing non-compliance with the NO_x RACT rules and regulations. Considering the # 6 fuel oil consumption during the last 3 years (2016 - 2018) ranging from 2 % -

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9% of the total annual fuel consumption, on a BTU basis, the facility believes that the goal of #2 ULSD fuel oil consumption within 31% of the total annual fuel consumption, is attainable.

Reasonable Available Control Technology (RACT) requirements of 6 NYCRR Part 227-2.4 for major facilities state that large boilers (boilers with a capacity of > or equal to 100 MM Btu/hour and <250 MM Btu/hr) burning a combination of gas and oil must comply with a presumptive NOx limit of 0.15 lbs/MM Btu. Parkchester South Condominium (Parkchester) complies with this requirement providing the maximum annual usage of #2 ULSD fuel oil not exceeding 31% of the total annual fuel consumption, on a BTU basis.

Parkchester must comply with the NOx RACT emission limit of 0.15 lbs/MM Btu. Parkchester will comply with this standard (regulation) by restricting (limiting) the ULSD # 2 fuel oil usage to a quantity that will not make the #2 ULSD fuel oil exceed 31% of total yearly (annual) fuel (natural gas and #2 ULSD fuel oil) consumption, on a BTU 12-month rolling basis.

Total NOx emissions = [(gallons of #2 fuel oil x 139,620 Btu/gal x 0.172 lbs NOx/MM Btus)] + [(Cubic feet of natural gas x 1,050 Btu/SCF x 0.14 lbs NOx/ MM Btus)]

The natural gas consumption (in scf) will be quantified by gas meter of local provider (Con Edison). The #2 ULSD fuel oil usage (consumption) quantities will be quantified by fuel oil flowmeter that will be newly installed.

This percentage may change when a NOx results are obtained from Air Emission Stack Testing for # 2 ULSD fuel oil. When a new NOx Emission Factor for #2 ULSD fuel oil is obtained, the maximum annual percentage of # 2 ULSD fuel oil consumption should be calculated to comply with the NOx RACT requirements of 6 NYCRR 227-2.4.

This condition applies to the four large boilers, the four 133 MM Btu/hr each Foster Wheeler Type D boilers (Emission Sources 00001, 00002, 00003 & 00004), to verify the NOx emission limit compliance.

With the replacement of the oil guns, each of these four boiler have a maximum design capacity of 133 MM Btu/hr, so the boilers are re-classified from 99 MM Btu/hr to 133 MM Btu/hr each.

Manufacturer Name/Model Number: Foster Wheeler Type D
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.15 pounds per million Btus
Reference Test Method: 40 CFR Part 60, Appendix A, Method 7, 7E or 19
Monitoring Frequency: Once every five years
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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Condition 28: Compliance Certification
Effective for entire length of Permit

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

Item 28.1:

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

Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00004
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00004

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

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§227-2.6 (a)(2) Testing, monitoring, and reporting requirements:

The owner/operator of large boilers (>100 MM Btu/hr and equal or < 250 MM Btu/hr) shall measure NOx emissions by performing stack tests in accordance with the emission test requirements described in subdivision (c) of this section. A large boiler is defined as: A boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour.

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(a) The owner or operator of the four 133 MM Btu/hr each Foster Wheeler Type D boilers (Emission Source 00001, 00002, 00003 & 00004) must verify NOx emissions by performing the applicable testing or monitoring procedure detailed below:

(2) For any large boiler, NOx emissions must be:

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

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

With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr, so the boilers are re-classified from 99 MM Btu/hr to 133 MM Btu/hr each.

The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil is 7/29/2019 and all four boilers should be running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

This condition applies to the four 133 MM Btu/hr each Foster Wheeler Type D boilers (Emission Sources 00001, 00002, 00003 & 00004). The NOx RACT for mid-size boilers operating on distillate fuel oil/natural gas is a limit of 0.15 pounds per million Btu per hour on or after July 1, 2014.

Manufacturer Name/Model Number: Foster Wheeler Type D with
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 29: Compliance Certification
Effective for entire length of Permit

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

Item 29.1:

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

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

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Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00004
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00004

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

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Parkchester South Condominium is required to perform testing the four large Foster wheeler Type D boilers (Emission Sources 00001, 00002, 00003 & 00004) to verify the NOx emission limit compliance. A large boiler is a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour. These 133 MM Btu/hr each Foster Wheeler Type D boilers operate on natural gas (Process 001) and ULSD fuel oil (Process 020) with a maximum of 0.0015 % by weight sulfur.

On or after July 1, 2014, the owner/operator of large boilers (> 100 and equal to or <250 MM Btu/hr) boilers operating on fuel oil/natural gas have a limit of 0.15 pounds of NOx per million Btus under the NOx RACT plan for large boilers.

Emission test requirements: The owner or operator of the facility is required to test for NOx emission under subdivision (c) of 6 NYCRR 227-2.6 and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

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

2. follow the procedures set forth in Part 202 of this Title and use the following procedures set forth in 40 CFR part 60, appendix A, or any other method acceptable to the department and the administrator for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart;

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(i) for large and mid-size boilers, use method 7, 7E, or 19 from 40 CFR part 60, appendix A;

3. submit a compliance test report containing the results of the emission test to the department for approval no later than 60 days after completion of the emission test.

4. Maintain all records at the facility for a period of 5 years.

With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr, so the boilers are re-classified from 99 MM Btu/hr to 133 MM Btu/hr each.

The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil is 7/29/2019 and all four boilers should be running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

This condition applies to the four 133 MM Btu/hr each Foster Wheeler type D boilers (Emission Sources 00001, 00002, 00003 & 00004).

Manufacturer Name/Model Number: Foster Wheeler Type D
 Reference Test Method: 40 CFR Part 60, Appendix A, Method 7, 7E or 19
 Monitoring Frequency: Once every five years
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 30: Compliance Certification
Effective for entire length of Permit

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

Item 30.1:

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

Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00004

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

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

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition not less than 30 days prior to the test.
- 2) Perform a stack test at the facility, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit the stack test report in triplicate to NYSDEC within 60 days after the completion of the test.
- 4) Maintain all records at the facility for a minimum of five (5) years.

Manufacturer Name/Model Number: Foster Wheeler Type D

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: USEPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

**Condition 31: Emission Point Definition By Emission Unit
 Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 31.1:

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 266

Diameter (in.): 120

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Facility DEC ID: 2600500139

NYTMN (km.): 4521.823 NYTME (km.): 596.033 Building: BPLANT

**Condition 32: Process Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 32.1:

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

Emission Unit: U-00001

Process: 001

Source Classification Code: 1-03-006-01

Process Description:

Process 001 is the firing of natural gas in Boilers 001, 002, 003 & 004 (Emission Sources 00001, 00002, 00003 & 00004, respectively) in Emission Unit U-00001. These four Foster Wheeler boilers burn both natural gas (Process 001) and # 2 ULSD fuel oil (Process 020), and each boiler has been re-classified as Large Boiler category from Mid-size Boilers (99 MM Btu/hr to 133 MM Btu/hr) by 7/29/2019. All four boilers discharge through a common stack, identified as Emission Point 00001.

With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr and the boilers were re-classified from 99 MM Btu/hr to 133 MM Btu/hr each.

Mid-size boiler: A boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour.

A large boiler is defined as a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour.

On or after July 1, 2014, the NOx RACT rule limit for large gas/oil boilers is 0.15 lb/MM Btu.

Emission Source/Control: 00001 - Combustion
Design Capacity: 133 million Btu per hour

Emission Source/Control: 00002 - Combustion
Design Capacity: 133 million Btu per hour

Emission Source/Control: 00003 - Combustion
Design Capacity: 133 million Btu per hour

Emission Source/Control: 00004 - Combustion
Design Capacity: 133 million Btu per hour

Item 32.2:

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

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

Emission Unit: U-00001

Process: 020

Source Classification Code: 1-03-005-01

Process Description:

Process 020 is the firing of #2 ULSD fuel oil in Boilers 001, 002, 003 & 004 (Emission Sources 00001, 00002, 00003 & 00004, respectively) in Emission Unit U-00001. These four Foster Wheeler boilers burn both natural gas (Process 001) and #2 USLD fuel oil (Process 020) and natural gas (Process 001), and each boiler has been re-classified as Large Boiler category from Mid-size Boilers (99 MM Btu/hr to 133 MM Btu/hr). With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr. All four boilers discharge through a common stack, identified as Emission Point 00001.

The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil was 7/29/2019 and all four boilers were running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the convesrion.

Mid-size boiler: A boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour.

A large boiler is defined as a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour.

On or after July 1, 2014, the NOx RACT rule limit for large gas/oil boilers is 0.15 lb/MM Btu.

Emission Source/Control: 00001 - Combustion

Design Capacity: 133 million Btu per hour

Emission Source/Control: 00002 - Combustion

Design Capacity: 133 million Btu per hour

Emission Source/Control: 00003 - Combustion

Design Capacity: 133 million Btu per hour

Emission Source/Control: 00004 - Combustion

Design Capacity: 133 million Btu per hour

Condition 33: Compliance Certification
Effective for entire length of Permit

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

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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Facility DEC ID: 2600500139

Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 001	Emission Point: 00001 Emission Source: 00004
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00004

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to natural gas/oil firing large boilers. The owner or operator 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: 0.15 pounds per million Btus
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 60 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective for entire length of Permit

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

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

Item 34.1:

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

Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00004

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a stationary combustion installation shall submit a compliance test protocol to the Department for approval at least 30 days prior to conducting compliance testing of the 0.1 lb/mmBtu particulate matter standard. The owner or operator shall submit the results to the Department for approval within 60 days of the conclusion of compliance testing. Testing shall be conducted once per term of the permit. All records associated with the testing shall be maintained on site or at a Department approved alternative location for a minimum of five years.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.1 pounds per million Btus
Reference Test Method: 40 CFR 60, Appendix A, Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 35: Compliance Certification
Effective for entire length of Permit

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

Item 35.1:

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

Emission Unit: U-00001 Process: 020	Emission Point: 00001 Emission Source: 00001
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Permit ID: 2-6005-00139/00002

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Emission Unit: U-00001
Process: 020

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: 020

Emission Point: 00001
Emission Source: 00003

Emission Unit: U-00001
Process: 020

Emission Point: 00001
Emission Source: 00004

Item 35.2:

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: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 36: Compliance Certification
Effective for entire length of Permit

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

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: 020

Emission Point: 00001
Emission Source: 00001

Emission Unit: U-00001
Process: 020

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: 020

Emission Point: 00001
Emission Source: 00003

Emission Unit: U-00001
Process: 020

Emission Point: 00001
Emission Source: 00004

Item 36.2:

Compliance Certification shall include the following monitoring:

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

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Facility DEC ID: 2600500139

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 30 days after the reporting period.

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

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

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 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

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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 37: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement: ECL 19-0301

Item 37.1:

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

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

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

**Condition 38: Malfunctions and Start-up/Shutdown Activities
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 201-1.4

Item 38.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment 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

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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 39: Air pollution prohibited
Effective for entire length of Permit

Applicable State Requirement: 6 NYCRR 211.1

Item 39.1:

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.

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

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Facility Identification Data

Name: PARKCHESTER SOUTH CONDOMINIUM
Address: 2020 E TREMONT AVE
BRONX, NY 10462

Owner/Firm

Name: PARKCHESTER SOUTH CONDOMINIUM
Address: 2000 E TREMONT AVE
BRONX, NY 10462-5703, USA
Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:
Name: DENISE L GRATTAN
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47-40 21ST ST
LONG ISLAND CITY, NY 11101
Phone:7184824997

Division of Air Resources:
Name: DIANA MENASHA
Address: NYSDEC - REGION 2
47-40 21ST ST
LONG ISLAND CITY, NY 11101
Phone:7184827263

Air Permitting Contact:
Name: JOSEPH TORTORELLI
Address: PARKCHESTER SOUTH CONDOMINIUM
2000 E TREMONT AVE
BRONX, NY 10462
Phone:7183206059

**Permit Description
Introduction**

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

Application for renewal of Air Title V Facility for Parkchester South Condominium.

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Attainment Status

PARKCHESTER SOUTH CONDOMINIUM is located in the town of BRONX in the county of BRONX. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter< 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	SEVERE NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

- * Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.
 ** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

Parkchester South Condominium (Parkchester), located at 2020 E. Tremont Avenue in Bronx, New York, provides heat and hot water to an apartment complex consisting of one hundred and seventy-two (172) buildings and twelve thousand two hundred and seventy-one (12,271) apartments. The facility operates four (4) dual fuel (natural gas & # 2 fuel oil) boilers that discharge through one common stack. Each boiler is connected to 2 burners for natural gas and # 2 fuel oil. With the conversion to #2 fuel oil from #6 fuel oil that began on 7/29/2019 with the first boiler (Emission Source 00001), Parkchester uses ultra low sulfur diesel (ULSD) with sulfur content of 15 PPM (0.0015% by weight) in compliance with 6 NYCRR Part 225-1.2 (d). Each boiler is connected to two burners for natural gas and #2 fuel oil. Parkchester obtained ULSD sample analysis from their fuel vendor confirming that sulfur content is 15 PPM, and will request such certification at every #2 fuel oil delivery.

The conversion of dual burners from using natural gas and #6 fuel oil to using a combination of natural gas and #2 ultra low-sulfur distillate (ULSD) fuel oil consisted of the replacement of the 2 burner tips for each of the boiler, and the replacement of the 2 burner guns for each of the 4 boilers. Natural gas is still being the primary fuel source.

The boilers (Emission Sources 00001, 00002, 00003 & 00004) supply steam for the space heating of their buildings. The four (4) boilers were constructed in 1939. The four (4) boilers are collectively identified as Emission Unit U-00001. Emissions from the four (4) boilers are exhausted through one common stack which is identified as Emission Point 00001. Current Emission Unit, Emission Sources, and Emission Point will remain the same, Process 001 (natural gas) will remain the same and Process 020 will be the conversion from #6 to #2 ULSD fuel oil.

As of 10/21/2019, the facility has converted the existing four (4) Foster Wheeler Type D boilers' secondary

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fuel type from # 6 fuel oil (residual) to # 2 fuel oil (ULSD - ultra low-sulfur distillate with a limit of 0.0015 % sulfur content by weight). Natural gas will remain as the primary fuel source for these four boilers. As a result, this has reduced the Sulfur Dioxide emissions from 130 tpy to < 25 tpy. With this fuel oil conversion to ULSD, Parkchester is no longer considered a Major Facility for SO₂ emission, since their potential to emit are below the threshold of 25 tons/year for sulfur dioxide. With the replacement of the oil guns (2 on each boiler) maximum design capacity, each of these four boiler have a maximum design capacity of 133 MM Btu/hr, so the boilers are re-classified from 99 MM Btu/hr to 133 MM Btu/hr each. This new value is related to the new oil guns (2 on each boiler) proposed for the conversion from #6 fuel oil to #2 ULSD fuel oil. The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil is 7/29/2019 and all four boilers should be running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

The facility has re-classified the four existing Foster Wheeler Type D boilers from mid-size (99 MM Btu/hr) to large boilers (133 MM Btu/hr). With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr. A mid-size boiler is defined as "a boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour", and a large boiler is defined as "a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour." As a result, the NO_x RACT emission limit changes from 0.20 lbs/ MM Btu to 0.15 lbs/MM Btu. Also, the NO_x emissions equation cap of 0.15 lbs/MM Btu will be the new NO_x RACT for the large boilers operating on natural gas (Process 001) and # 2 ULSD fuel oil (Process 020). Hence, the maximum annual usage of #2 ULSD fuel oil will not be exceeding 31% of the total annual fuel consumption, on a BTU basis will be amended.

Part 231-2, New Source Review in non-attainment areas and ozone transport region is not applicable to this facility because these boilers have been in existence at this facility since 1939 and there is no increase in actual NO_x emissions, but a decrease from 243 tpy to 66 tpy. Also, the facility must comply with a lower NO_x RACT limit of 0.15 lbs/MM Btu and not 0.20 lbs/MM Btu.

The facility has added one 115 KW (155 HP) emergency generator (Kohler Mod 100 REZDG) for protecting servers and communication systems in the Boiler/Heating Plant. This emergency generator is a USEPA certified for stationary emergency applications. The "Certificate of Conformity" was submitted with this renewal application. This generator operates on natural gas.

The facility operates other sources which are considered exempt from permitting in accordance with 6NYCRR 201-3.2(c), including four (4) #2 ULSD fuel oil storage tanks (<300,000 bbls) each, and one 115 KW (155 HP) emergency generator (Kohler Mod 100 REZDG).

Permit Structure and Description of Operations

The Title V permit for PARKCHESTER SOUTH CONDOMINIUM

is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots)

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are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

PARKCHESTER SOUTH CONDOMINIUM is defined by the following emission unit(s):

Emission unit U00001 - Emission Unit U-00001 is comprised of four Foster Wheeler boilers, Boilers 001, 002, 003 and 004 (Emission Sources 00001, 00002, 00003 & 00004; respectively). Parkchester operates the four boilers as large boilers (a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour). All four boilers discharge through a common stack, identified as Emission Point 00001. The four boilers burn both natural gas (Process 001) and # 2 ULSD fuel oil (Process 020). The conversion of #6 to #2 fuel oil resulted in modification of Process 020 (#2 ULSD fuel oil) and modification of oil guns/nozzles for each boiler (Emission Sources 0001, 0002, 0003 and 0004). With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr.

The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil was 7/29/2019 and all four boilers were running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

The four Foster Wheeler boilers, Boilers 001, 002, 003 and 004 (Emission Sources 00001, 00002, 00003 & 00004) fire both natural gas & ULSD #2 fuel oil. On or after July 1, 2014, the NOx RACT compliance plan rule limit for large boilers is 0.15 lb/MM Btu.

Emission unit U00001 is associated with the following emission points (EP):
00001

Process: 001 is located at FIRST FLOOR, Building BPLANT - Process 001 is the firing of natural gas in Boilers 001, 002, 003 & 004 (Emission Sources 00001, 00002, 00003 & 00004, respectively) in Emission Unit U-00001. These four Foster Wheeler boilers burn both natural gas (Process 001) and # 2 ULSD fuel oil (Process 020), and each boiler has been re-classified as Large Boiler category from Mid-size Boilers

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(99 MM Btu/hr to 133 MM Btu/hr) by 7/29/2019. All four boilers discharge through a common stack, identified as Emission Point 00001.

With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr and the boilers were re-classified from 99 MM Btu/hr to 133 MM Btu/hr each.

Mid-size boiler: A boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour.

A large boiler is defined as a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour.

On or after July 1, 2014, the NOx RACT rule limit for large gas/oil boilers is 0.15 lb/MM Btu.

Process: 020 is located at 1st Floor, Building BPLANT - Process 020 is the firing of #2 ULSD fuel oil in Boilers 001, 002, 003 & 004 (Emission Sources 00001, 00002, 00003 & 00004, respectively) in Emission Unit U-00001. These four Foster Wheeler boilers burn both natural gas (Process 001) and #2 USLD fuel oil (Process 020) and natural gas (Process 001), and each boiler has been re-classified as Large Boiler category from Mid-size Boilers (99 MM Btu/hr to 133 MM Btu/hr). With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr. All four boilers discharge through a common stack, identified as Emission Point 00001.

The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil was 7/29/2019 and all four boilers were running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

Mid-size boiler: A boiler with a maximum heat input capacity greater than 25 million Btu per hour and equal to or less than 100 million Btu per hour.

A large boiler is defined as a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour.

On or after July 1, 2014, the NOx RACT rule limit for large gas/oil boilers is 0.15 lb/MM Btu.

Title V/Major Source Status

PARKCHESTER SOUTH CONDOMINIUM is subject to Title V requirements. This determination is based on the following information:

Parkchester South Condominium is a major facility because the potential emissions of nitrogen oxides is greater than the major source thresholds, which is 25 tons per year for nitrogen oxides. Also, the potential emissions of sulfur dioxide is greater than the major source thresholds, which is 25 tons per year for sulfur dioxide.

Program Applicability

The following chart summarizes the applicability of PARKCHESTER SOUTH CONDOMINIUM with regards to the principal air pollution

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regulatory programs:

Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	NO
NSPS	NO
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) -

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federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212-3, 220-1.6, 220-1.7, 220-2.3, 220-2.4, 226, 227-2, 228, 229, 230, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description

6513	APARTMENT BUILDING OPERATORS
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SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information. Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

1-03-005-01	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - DISTILLATE OIL Grades 1 and 2 Oil
1-03-006-01	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS Over 100 MMBtu/Hr

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Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
0NY502-00-0	40 CFR 60-63 - TOTAL ORGANIC COMPOUNDS (TOC)	39695.94		9451.91	
007440-38-2	ARSENIC	6.39		0.36	
000071-43-2	BENZENE	7.6		1.77	
007440-41-7	BERYLLIUM	4.37		0.16	
007440-43-9	CADMIUM	7.8		1.07	
000124-38-9	CARBON DIOXIDE	598324233		108781685	
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS	598324233		108781685	
000630-08-0	CARBON MONOXIDE	311639		72441.63	
007440-47-3	CHROMIUM	8.6		1.32	
007440-50-8	COPPER	11.27		1.01	
025321-22-6	DICHLOROBENZE NE	3.6		1.01	
000050-00-0	FORMALDEHYDE	876		84.41	
000110-54-3	HEXANE	5520		1514.9	
007439-92-1	LEAD	20		0.86	
007439-96-5	MANGANESE	9.83		0.61	
007439-97-6	MERCURY	5.13		0.37	
000074-82-8	METHANE	9443		2011.14	
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS	20		1.77	
010024-97-2	NITROUS OXIDE	9420		1942.35	
0NY210-00-0	OXIDES OF NITROGEN	700100		132098.93	
0NY075-00-0	PARTICULATES	32384			
0NY075-02-5	PM 2.5	31870		6686.13	
0NY075-00-5	PM-10	34457		6733.44	
007782-49-2	SELENIUM	21.74		0.75	

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007446-09-5	SULFUR DIOXIDE	4042	579.36
007446-11-9	SULFUR TRIOXIDE	80	2.99
000108-88-3	TOLUENE	20	2.86
0NY100-00-0	TOTAL HAP	6494	1612.17
0NY998-00-0	VOC	22620	4823.05
007440-66-6	ZINC	94.59	24.6

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

- 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 Part 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 Part 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 Part 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 Part 201-6.4(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

- Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation

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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 Part 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 Part 201-6.4(g)

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR Part 201-6.4(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the

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emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

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

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

(a) The affirmative defense of emergency shall be demonstrated through

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properly signed, contemporaneous operating logs, or other relevant evidence that:

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

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

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement. item_02

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

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

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
FACILITY	ECL 19-0301	37	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 68	18	Chemical accident prevention provisions
FACILITY	40CFR 82-F	19	Protection of

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FACILITY	6NYCRR 200.6	1	Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.7	10	Acceptable ambient air quality.
FACILITY	6NYCRR 201-1.4	38	Maintenance of equipment.
FACILITY	6NYCRR 201-1.7	11	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.8	12	Recycling and Salvage
FACILITY	6NYCRR 201-3.2 (a)	13	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (c)	20	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	14	Exempt Activities - exempt activity list
FACILITY	6NYCRR 201-6	21, 31, 32	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6.4 (a) (4)	15	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (7)	2	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4 (a) (8)	16	General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (c)	3	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4 (c) (2)	4	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4 (c) (3) (ii)	5	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4 (d) (4)	22	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (e)	6	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (f)	23	Compliance Certification
FACILITY	6NYCRR 201-6.4 (g)	24	Operational Flexibility
FACILITY	6NYCRR 202-1.1	17	Permit Shield
FACILITY	6NYCRR 202-2.1	7	Required emissions tests.
FACILITY	6NYCRR 202-2.5	8	Emission Statements - Applicability
FACILITY	6NYCRR 211.1	39	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.2	25	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 215.2	9	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 225-1.2 (d)	26	Open Fires - Prohibitions
			Sulfur-in-Fuel

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FACILITY	6NYCRR 227.2 (b) (1)	30	Limitation - Distillate Oil Particulate emissions. Particulate Emission Standards Annual Tune-up Requirement Opacity Standard	
U- 00001/00001/020/00001	6NYCRR 227-1.3 (a)	34		
U- 00001/00001/020/00001	6NYCRR 227-1.3 (c)	35		
U- 00001/00001/020/00001	6NYCRR 227-1.4 (a)	36		
FACILITY	6NYCRR 227-2.4 (b) (1)	27		
U- 00001/00001/001/00001	6NYCRR 227-2.4 (b) (1)	33		
FACILITY	6NYCRR 227-2.6 (a)	28		
FACILITY	6NYCRR 227-2.6 (c)	29		
				Emission limits. Emission limits.
				Applicable testing and/or monitoring requirements. Stack Test Requirements.

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.

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6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to 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.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)

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This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (4)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.4 (g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

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

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or

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activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, PARKCHESTER SOUTH CONDOMINIUM has been determined to be subject to the following regulations:

6 NYCRR 201-3.2 (c)

This section lists the specific activities which may be exempt from the permitting provisions of this Part.

6 NYCRR 201-6.4 (f)

This section describes the potential for certain operational changes to be made by the facility owner or operator without first obtaining a permit modification. Changes made pursuant to this provision must meet all of the criteria described in this section to qualify for consideration as operational flexibility. The Department reserves the right to require the facility owner or operator to obtain a permit modification prior to making any changes at the facility pursuant to this section.

6 NYCRR 211.1

This regulation requires that 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.

6 NYCRR 225-1.2 (d)

This subdivision sets the sulfur-in-fuel limitation for distillate oil fired emission sources throughout the State.

6 NYCRR 227.2 (b) (1)

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

6 NYCRR 227-1.3 (a)

This subdivision sets the particulate matter emission standards for subject stationary combustion installations.

6 NYCRR 227-1.3 (c)

This subdivision requires that all stationary combustion installations subject to this subpart perform an annual tune-up.

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6 NYCRR 227-1.4 (a)

This subdivisions sets the opacity standard for subject stationary combustion installations.

6 NYCRR 227-2.4 (b) (1)

NOx emission limits for large boilers.

6 NYCRR 227-2.6 (a)

Applicable testing and/or monitoring requirements for emission sources subject to NOx RACT.

6 NYCRR 227-2.6 (c)

This regulation is a SIP regulation. This citation is for stack test requirements. The owner or operator of the facility is required to test for NOx emission and follow monitoring and reporting requirements. The stack testing for NOx emission requires the facility to:

- (1) submit a compliance test protocol to the department for approval at least 30 days prior to emission testing. The condition of the testing and the locations of the sampling devices must be acceptable to the department; and
- (2) Utilize procedures set forth in 40 CFR Part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this Subpart, and shall follow the procedures set forth in Part 202 of this Title.
 - (i) For large and mid-size boilers, utilize Method 7, 7E, or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
 - (ii) For simple cycle combustion turbines, utilize Method 20 from 40 CFR Part 60, Appendix A or another reference method approved by the department.
 - (iii) For combined cycle combustion turbines, utilize Method 7, 7E, or 19 from 40 CFR Part 60, appendix A or another reference method approved by the department.
 - (iv) For internal combustion engines, utilize Method 7, 7E or 19 from 40 CFR Part 60, Appendix A or another reference method approved by the department.

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Non Applicability Analysis

List of non-applicable rules and regulations:

Location Facility/EU/EP/Process/ES	Regulation	Short Description
FACILITY	40 CFR 52.21 (j)	Best Available Control Technology

Reason: The facility has converted the existing four (4) Foster Wheeler Type D boilers' secondary fuel type from # 6 fuel oil (residual) to # 2 fuel oil (ULSD - ultra low-sulfur distillate with a limit of 0.0015 % sulfur content by weight). Natural gas will remain as the primary fuel source for these four boilers. As a result, this will reduce the Sulfur Dioxide emissions from 130 tpy to < 25 tpy. With this fuel oil conversion to ULSD, Parkchester will not be considered a Major Facility for SO2 emission, since their potential to emit will be below the threshold of 25 tons/year for sulfur dioxide.

Therefore; 40 CFR 52-A.21, Prevention of Significant Deterioration for Sulfur Dioxide is not applicable to Parkchester South Condominium because the facility will no longer use # 6 residual fuel oil with a sulfur limit of 0.30% by weight, instead the facility will use ULSD (Ultra Low Sulfur Distillate) with a sulfur limit of 0.0015% by weight.

FACILITY	6 NYCRR Subpart 231-2	New Source Review in Nonattainment Areas and Ozone Transport Region
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Reason: The facility has converted the existing four (4) Foster Wheeler

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Type D boilers' secondary fuel type from # 6 fuel oil (residual) to # 2 fuel oil (ULSD - ultra low-sulfur distillate with a limit of 0.0015 % sulfur content by weight). Natural gas will remain as the primary fuel source for these four boilers. As a result, this will reduce the Sulfur Dioxide emissions from 130 tpy to < 25 tpy.

The start-up date for the first boiler (Emission Source 00001) on #2 ULSD fuel oil was 7/29/2019 and all four boilers were running on #2 ULSD fuel oil by 10/21/2019 with a maximum heat input of 133 MM Btu/hr for each boiler after the conversion.

The facility has reclassifying the four existing Foster Wheeler Type D boilers from mid-size (99 MM Btu/hr) to large boilers (133 MM btu/hr). With the replacement of the oil guns (2 on each boiler), each of these four boiler have a maximum design capacity of 133 MM Btu/hr, so the boilers are re-classified from 99 MM Btu/hr to 133 MM Btu/hr each. As a result, the NOx RACT emission limit has changed from 0.20 lbs/ MM Btu to 0.15 lbs/MM Btu. Also, the NOx emissions equation cap of 0.15 lbs/MM Btu is the new NOx RACT for the large boilers operating on natural gas (Process 001) and # 2 ULSD fuel oil (Process 020). Hence, the maximum annual usage of #2 ULSD fuel oil will not be exceeding 31% of the total annual fuel consumption, on a BTU basis will be amended.

New Source Review is not applicable because the facility and these boilers have been in existence since 1939 and there are no increase in actual NOx emissions, but a decrease from 243 tpy to 66 tpy. Also, the facility must comply with a lower NOx RACT of 0.15 lbs/MM Btu and not 0.20 lbs/MM Btu.

Therefore, New Source Review, 6 NYCRR 231-2 is not applicable to this facility for the above reasons.

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.4(g). This information is optional and provided only if the applicant is seeking to obtain formal confirmation, within an issued Title V permit, that specified activities are not subject to the listed federal applicable or state only requirement. The applicant is seeking to obtain verification that a requirement does not apply for the stated reason(s) and the Department has agreed to include the non-applicability determination in the issued Title V permit which in turn provides a shield against any potential enforcement action.

**Compliance Certification
Summary of monitoring activities at PARKCHESTER SOUTH CONDOMINIUM:**

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring

FACILITY	20	work practice involving specific operations

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FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
FACILITY	26	work practice involving specific operations
FACILITY	30	intermittent emission testing
U-00001/00001/020/00001	34	intermittent emission testing
U-00001/00001/020/00001	35	record keeping/maintenance procedures
U-00001/00001/020/00001	36	monitoring of process or control device parameters as surrogate
FACILITY	27	intermittent emission testing
U-00001/00001/001/00001	33	intermittent emission testing
FACILITY	28	record keeping/maintenance procedures
FACILITY	29	record keeping/maintenance procedures

Basis for Monitoring

This facility is subject to the requirements of Title V. The facility is required, under the provisions of 6 NYCRR Subpart 201-6, to submit semiannual compliance reports and an annual Compliance Certification. In addition to record keeping/maintenance procedures requirements, this facility is required to comply with the following monitoring conditions:

Condition # 20 for 6 NYCRR 201-3.2 (c): This is a facility-wide condition for Work Practice Involving Specific Operations for hours per year operation of 500 hours limit for NOx.

This condition lists the specific activities which may be exempt from the permitting provisions of this Part. The facility operates a 115 KW (155 HP) exempt emergency generator (Kohler Mod 100 REZDG) in the Boiler/Heating Plant from NYSDEC permitting in accordance with 6 NYCRR 201-3.1(b) and 3.2(c)(6). The following exempt generator at the facility is to operate for no more than 500 hours per year:

One 115 KW (155 HP) emergency generator (Kohler Mod 100 REZDG) for protecting servers and communication systems in the Boiler/Heating Plant.

Condition # 26 for 6 NYCRR 225-1.2 (d): This is a facility-wide condition. This condition is for Work Practice Involving Specific Operations for Sulfur Dioxide for sulfur content limit of 0.0015 percent by weight. The distillate fuel oil (#2 heating oil) purchase is limited to 0.0015 percent sulfur by weight on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

This condition sets the sulfur-in-fuel limitation for distillate oil fired emission sources throughout the State.

Condition # 27 for 6 NYCRR 227-2.4 (b)(1): This condition is an emission unit level, emission point level, process level and emission source/control level condition

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that applies to Emission Unit: U-00001, Emission Point: 00001, Processes: 001 & 020 and Emission Sources/Controls: 00001, 00002, 00003 & 00004 for Monitoring of Process or Control Device Parameters as Surrogate for Oxides of Nitrogen.

Parkchester South condominium has re-classified the four Foster Wheeler Type D boilers from mid-size boilers (99 MM Btu/hr) to large boilers (133 MM Btu/hr) with the replacement of the new oil guns (2 on each boiler). Parkchester South Condominium is required to perform testing the four large boilers, the four 133 MM Btu/hr each Foster Wheeler Type D boilers (Emission Sources 00001, 00002, 00003 & 00004), to verify the NO_x emission limit compliance. A large boiler is a boiler with a maximum heat input capacity greater than 100 million Btu per hour and equal to or less than 250 million Btu per hour. All four boilers operate on natural gas (Process 001) and on #2 fuel oil (Process 020).

On or after July 1, 2014, the owner/operator of large boilers (> or equal to 100 MM Btu/hr and <250 MM Btu/hr) boilers operating on # distillate fuel oil/natural gas have a new limit of 0.15 pounds of NO_x per million Btus under the NO_x RACT plan for large boilers. The allowable mass emissions change based on the quantity of Btus combusted. Allowable emissions will be determined by calculating the annual MM Btu combusted using heating value of 139,620 Btu/gal for #2 ULSD fuel oil and 1,050 Btu/scf for natural gas (NG) times the amount of the corresponding fuel, and then comparing that result to the actual corresponding emissions.

Actual corresponding emissions is calculated as the product of the gallons of #2 ULSD fuel oil, the 139,620 Btu/gal heat value for #2 ULSD fuel oil and the 0.172 lbs NO_x/MM Btu for #2 ULSD fuel oil emission factor added to the product of MM SCF natural gas, the 1,050 Btu/SCF heat value and the 0.14 lbs NO_x/MM Btu emission factor. Compliance is achieved if the actual NO_x emission is < the allowable NO_x emission.

Prior to July 1, 2014, emission factors that were measured during the November 17, 2010 stack test will be used to determine the actual NO_x emissions from the combustion process.

Emission Factors from the November 17, 2010:

0.15 lbs NO_x/MM Btu Allowable

0.14 lbs NO_x/MM Btu for natural gas

[24 lbs NO_x/1000 gal (as listed in AP-42, Table 1.3-1)] x [1 gal/139,620 Btu] =
0.172 lbs NO_x/MM Btu for #2 ULSD fuel oil

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The maximum annual usage ratio of #2 oil was determined based on the following assumptions:

1. Emission factor of 0.14 lbs NO_x/MM Btu for natural gas as per the November 17, 2010 Stack Test Results.
2. Emission factor of 0.172 lbs NO_x/MM Btu for #2 ULSD fuel oil obtained by dividing the #2 ULSD fuel oil emission factor of 24 lbs NO_x/1000 gal (as listed in AP-42, Table 1.3-1) by #2 ULSD heating value of 139,620 Btu/gal.
3. The following equation is true:

$[EF (\text{gas}) * \text{Usage} (\text{gas})] + EF [(\text{ULSD fuel oil}) * (\#2 \text{ ULSD fuel oil})] < \text{or equal to NO}_x \text{ RACT Limit}$

$[0.14 (\text{lb/MM Btu}) * (1-U)] + 0.172 (\text{lb/MM Btu}) * (U) < \text{or equal to } 0.15 (\text{lb/MM Btu})$

Therefore: Usage of #2 ULSD fuel oil (on a BTU basis): $U < \text{or equal to } 31\%$
Usage of natural gas (on a BTU basis); $(1-U) > 69\%$

Solving the equation above provides a maximum percentage of # 2 ULSD fuel oil consumption of the total annual fuel consumption, on a BTU basis. If an annual # 2 ULSD fuel oil consumption (on a BTU basis) exceeds 31% of the total annual fuel consumption, then the NO_x RACT limit of 6 NYCRR 227-2.4 will be exceeded causing non-compliance with the NO_x RACT rules and regulations. Considering the # 6 fuel oil consumption during the last 3 years (2016 - 2018) ranging from 2 % - 9% of the total annual fuel consumption, on a BTU basis, the facility believes that the goal of #2 ULSD fuel oil consumption within 31% of the total annual fuel consumption, is attainable.

Reasonable Available Control Technology (RACT) requirements of 6 NYCRR Part 227-2.4 for major facilities state that large boilers (boilers with a capacity of > or equal to 100 MM Btu/hour and <250 MM Btu/hr) burning a combination of gas and oil must comply with a presumptive NO_x limit of 0.15 lbs/MM Btu. Parkchester South Condominium (Parkchester) complies with this requirement providing the maximum annual usage of #2 ULSD fuel oil not exceeding 31% of the total annual fuel consumption, on a BTU basis.

Parkchester must comply with the NO_x RACT emission limit of 0.15 lbs/MM Btu. Parkchester will comply with this standard (regulation) by restricting (limiting) the ULSD # 2 fuel oil usage to a quantity that will not make the #2 ULSD fuel oil

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exceed 31% of total yearly (annual) fuel (natural gas and #2 ULSD fuel oil) consumption, on a BTU 12-month rolling basis.

Total NO_x emissions = [(gallons of #2 fuel oil x 139,620 Btu/gal x 0.172 lbs NO_x/MM Btus)] + [(Cubic feet of natural gas x 1,050 Btu/SCF x 0.14 lbs NO_x/MM Btus)]

The natural gas consumption (in scf) will be quantified by gas meter of local provider (Con Edison). The #2 ULSD fuel oil usage (consumption) quantities will be quantified by fuel oil flowmeter that will be newly installed.

This percentage may change when a NO_x results are obtained from Air Emission Stack Testing for # 2 ULSD fuel oil. When a new NO_x Emission Factor for #2 ULSD fuel oil is obtained, the maximum annual percentage of # 2 ULSD fuel oil consumption should be calculated to comply with the NO_x RACT requirements of 6 NYCRR 227-2.4.

This condition applies to the four large boilers, the four 133 MM Btu/hr each Foster Wheeler Type D boilers (Emission Sources 00001, 00002, 00003 & 00004), to verify the NO_x emission limit compliance.

Condition # 30 for 6 NYCRR 227.2 (b) (1): This condition is an emission unit level, emission point level, process level and emission source/control condition that applies to Emission Unit: U-00001, Emission Point: 00001, Process: 020 and emission sources 00001, 00002, 00003 & 00004 for Intermittent Emission Testing for Particulates. The upper limit is 0.10 pounds per million Btus.

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

- 1) Submit to the Department an acceptable protocol for the testing of particulate emission limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) All records shall be maintained at the facility for a minimum of five years.

This condition is from the 1972 version of Part 227 and still remains as part of New York's SIP. The condition establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

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Condition # 33 for 6 NYCRR 227-2.4 (b) (1): This condition is an emission unit level, emission point level, process level and emission source/control condition that applies to Emission Unit: U-00001, Emission Point: 00001, Process: 020 and emission sources 00001, 00002, 00003 & 00004 for Intermittent Emission Testing for Oxides of Nitrogen. The NO_x RACT limit is 0.15 pounds per million Btus.

Applicable testing and/or monitoring requirements for emission sources subject to NO_x RACT. This condition is the NO_x emission limit for large boilers operating on gas and oil.

Condition # 34 for 6 NYCRR 227-1.3 (a): This condition is an emission unit level, emission point level and process level condition that applies to Emission Unit: U-00001, Emission Point: 00001 and Process: 020 for Intermittent Emission Testing for Particulates with a limit of 0.10 pounds per million Btus.

This condition sets the particulate matter emission standards for subject stationary combustion installations.

Condition # 36 for 6 NYCRR 227-1.4 (a): This condition is an emission unit level, emission point level, process level and emission source/control level condition that applies to Emission Unit: U-00001, Emission Point: 00001, Process: 020 and emission sources 00001, 00002, 00003 & 00004 for Monitoring for Monitoring of Process or Control Device Parameters as Surrogate for Particulates for Opacity.

This condition requires a limitation and compliance monitoring for opacity from a stationary combustion installation. Opacity is limited to 20% from any stationary combustion installation which fires liquid fuels. This condition prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

Recently, the facility has added one 115 KW (155 HP) emergency generator (Kohler Model 100 REZDG) in the Boiler/Heating Plant for protecting servers and communication systems. This emission source is an exempt activity as per 6 NYCRR Part 201-3.2 (c) (6). However; the facility's emission calculations have been modified to include both potential and estimated actual emission from the generator. The emergency generator is also listed in the List of Exempt Activities. This emergency generator is a USEPA certified for stationary emergency applications. The emergency generator fires natural gas.

With the addition of the Kohler 100REZDG emergency generator in the Boiler/Heating Plant, the facility is not subject to the NSR as per Part 231-6, since the Project Emission Potentials (PEPs), from the addition of the emergency generator, for all NO_x, PM, SO₂

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and VOC do not exceed the Significant Project Threshold (SPT) as per 6 NYCRR Part 231-13.3 and Part 231-13.4 Tables. Moreover, the facility is not subject to 6 NYCRR Part 231-11.2, since the PTE values have been considered for the PEP calculation (instead of the projected actual emission), and therefore Subpart 231-11.2 is not applicable as per 231-11.2 (a).

This major facility is not subject to the New Source Review as per Part 231-6, since the PEPs from modification (addition of the Kohler emergency generator) for all contaminants (NO_x, PM, SO₂ and VOC) do not exceed the SPT in both Table # 3 of 6 NYCRR Part 231-13.3 and Table # 4 of 6 NYCRR Part 231-13.4. Moreover, this major facility is not subject to 6 NYCRR Part 231-11.2 since the PTE values have been considered for the PEP calculation (instead of the projected actual emission), and therefore Subpart 231-11.2 is not applicable as per 231-11.2 (a).

The 115 KW Kohler emergency generator is a USEPA certified for stationary emergency applications. The "Certificate of Conformity" was submitted with this renewal application. This generator fires natural gas. It is manufactured by General Motors, and is 4-Cycle Turbocharged V-8 Cylinder arrangement.

The NO_x PEP is 0.79 tpy (1580 lbs/yr). The NO_x PTE for the emergency generator is 3.15 lb/hr.

The SPT in as per Table 3 of 231-13.3 is 2.5 tpy
 The SPT in as per Table 4 of 231-13.4 is 40 tpy

Summary of Regulated Air Emissions from the emergency generator in tpy:

	PTE (tpy)	PTE (lbs/yr)
PM 2.5	0.0039	7.8
PM10	0.0039	7.8
NO _x	0.79	1,580
CO	1.33	2,660
SO ₂	0.000210	0.42
CO ₂	39.23	78,460
VOC	0.01	20
Totla HAPs	0.01	20
TOC	0.13	260
Methane	0.08	160
Benzene	0.000563	1.126
Formaldehyde	0.01	20

Net Project Potential in Table 3 of 231-13.3 = PEP - SPT = 0.79 tpy - 2.5 tpy = - 1.71

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Net Project Potential in Table 4 of 231-13.4 = PEP - SPT = 0.79 tpy - 40 tpy = - 39.21 tpy

Therefore; Subpart 231-11.2 is not applicable to this project as per 231-11.2 (a).