

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
Mod 0 Effective Date: 08/02/2016 Expiration Date: 08/01/2021
Mod 1 Effective Date: 09/03/2019 Expiration Date: 08/01/2021

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 #3, Mod 1)

This is a minor modification to the Title V permit (Renewal #3). The facility is applying for a Title V permit modification due to 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, natural gas still being the primary fuel source.

The modification will apply to the following:

- Replacement Burner Tips
- Replacement Burner Guns
- The burners (TODD COMB., INC - Model VARIFLAME V545FGOXXX CCA Mod. 2014), counting 2 per each boiler, will remain in place.

The modification project consists of the following:

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1. The facility is converting 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. 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. 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 104 MM Btu/hr value, from which the boilers were de-rated to 99 MM Btu/hr on July 1, 2014, was associated with the old oil gun maximum design capacity. 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.

2. The facility is re-classifying 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 will change 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.

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 & # 6 fuel oil to be converted to natural gas & #2 fuel oil) boilers that discharge through one common stack. Each boiler is connected to 2 burners for natural gas and # 6 fuel oil (to be converted to #2 ULSD fuel oil with a sulfur content limit of 0.0015 % sulfur by weight). With the conversion to #2 fuel oil, Parkchester will use ultra low sulfur diesel (ULSD) with sulfur content of 15 PPM (0.0015% by weight) in compliance with 6 NYCRR Part 225-1.2 (f). Parkchester obtained ULSD sample analysis from their fuel

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vendor confirming that sulfur content is 15 PPM, and will request such certification at every #2 fuel oil delivery. 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.

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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- 5 6 Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS

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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 renewal application at least 180 days before expiration of permits for both Title V and State Facility Permits.

Item 3.3:

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

Condition 1-1: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 1-1.1:

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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 1-1.2:

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

Item 1-1.3

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

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

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

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

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

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

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
 Region 2 Headquarters
 Division of Environmental Permits
 1 Hunters Point Plaza, 4740 21st Street
 Long Island City, NY 11101-5407
 (718) 482-4997

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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2000 E TREMONT AVE
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

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FEDERALLY ENFORCEABLE CONDITIONS

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**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and

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reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)

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

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

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

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

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

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

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

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

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

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

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

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

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the department pursuant to the provisions of section 201- 6.6 of this Subpart.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

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

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

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

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit

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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 08/02/2016 and 08/01/2021****Applicable Federal Requirement: 6 NYCRR 200.6****Item 1.1:**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where

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

Condition 2: Fees
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 08/02/2016 and 08/01/2021

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

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all

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reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 08/02/2016 and 08/01/2021

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

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

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

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

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

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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 1-1: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

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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:

NYSDEC
Bureau of Quality Assurance

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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 7/30/2017.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

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

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

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

Condition 8: Recordkeeping requirements
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:
(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
 - (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.
- (b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires - Prohibitions
Effective between the dates of 08/02/2016 and 08/01/2021

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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 between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 08/02/2016 and 08/01/2021

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 between the dates of 08/02/2016 and 08/01/2021

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

Item 14.1:

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

Condition 15: Requirement to Provide Information
Effective between the dates of 08/02/2016 and 08/01/2021

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 1-2: Right to Inspect
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-2.1:

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 16: Right to Inspect

Effective between the dates of 08/02/2016 and 08/01/2021

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.

Condition 17: Off Permit Changes

Effective between the dates of 08/02/2016 and 08/01/2021

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

Item 17.1:

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

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

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

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Condition 18: Required Emissions Tests
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

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

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

Condition 20: Recycling and Emissions Reduction
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

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Condition 21: Emission Unit Definition**Effective between the dates of 08/02/2016 and 08/01/2021****Applicable Federal Requirement:6 NYCRR Subpart 201-6****Item 21.1(From Mod 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 will operate 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 will burn both natural gas (Process 001) and # 2 ULSD fuel oil (Process 020). The conversion of #6 to #2 fuel oil will result 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 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 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 NO_x RACT compliance plan rule limit for large boilers is 0.15 lb/MM Btu.

Building(s): BPLANT

Condition 22: Progress Reports Due Semiannually**Effective between the dates of 08/02/2016 and 08/01/2021****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:

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(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 1-3: Non Applicable requirements
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-3.1:

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.

(From Mod 1)

6 NYCRR Subpart 231-2

Reason: The facility is converting 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.

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 is 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 will change from 0.20 lbs/ MM Btu to 0.15 lbs/MM Btu. Also, the NOx emissions equation cap of 0.15 lbs/MM Btu will be 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

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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.

40 CFR 52.21 (j)

Reason: The facility is converting 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 39: Visible Emissions Limited
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 211.2

Item 39.1:

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 1-4: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-4.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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Item 1-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of commercial, industrial, or residential emission sources that fire #2 fuel oil on or after July 1, 2016 are limited to the purchase of #2 fuel oil with 15 ppm or 0.0015 percent sulfur by weight or less. Compliance with this limit shall be demonstrated through a certification submitted by the fuel oil supplier/vendor. Records of fuel supplier certification and quantity of fuel delivered shall be maintained at the facility.

Parkchester obtained ULSD sample analysis from their fuel vendor confirming that sulfur content is less or equal to 15 PPM (0.0015% by weight), and will request such certification at every #2 fuel oil delivery. Vendor Certifications will be reviewed for compliance each delivery and maintained on-site for five (5) years minimum.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: 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.

The initial report is due 1/30/2020.

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

Condition 1-5: Compliance Certification

Effective between the dates of 09/03/2019 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 225-1.6

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Item 1-5.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§225-1.6 Reports, sampling, and analysis.

(a) The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart.

(c) Sampling, compositing, and analysis of fuel samples must be done in accordance with methods acceptable to the department.

(d) Facility owners or fuel distributors required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the department.

(e) Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the department, and must be retained for at least five years. The owner of a Title V facility must furnish to the department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the department.

(f) Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance takes place.

For the #2 ULSD (Ultra Low Sulfur Distillate) fuel oil analysis:

Parkchester will maintain and retain records and make them

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available for inspection by the department.
 Data collected will be tabulated and summarized in a form acceptable to the department, and will be retained for at least five years. Parkchester will furnish to the department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period.

Monitoring Frequency: PER DELIVERY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2020.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-6: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 1-6.1:

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 1-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
 Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

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The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and post marked by the 60th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

- (1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- (2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- (3) Identification of all periods of COMS down time, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS down time period;
- (4) The total time in which the COMS are required to record data during the reporting period;
- (5) The total number of exceedences expressed as a percentage of the total time which the COMS are required to record data.

Manufacturer Name/Model Number: Continuous Opacity Monitoring System (COMS)

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B RM 9

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 11/29/2019.

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

Condition 1-7: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-7.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

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 1-7.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Parkchester has a Continuous Opacity Monitoring System (COMS) that will be adequately maintained to comply with a maximum allowable opacity limit of 20%. Parkchester submits and will continue to submit Quarterly Opacity Excess Emission Reports to NYSDEC.

Manufacturer Name/Model Number: Continuous Opacity Monitoring System (COMS)

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR Part 60 - Appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2019.

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

Condition 1-8: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-8.1:

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

Emission Point: 00001

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

Process: 001	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 1-8.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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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 NOx/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 NOx/MM Btu emission factor. Compliance is achieved if the actual NOx emission is < the allowable NOx 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 NOx emissions from the combustion process.

Emission Factors from the November 17, 2010:

0.15 lbs NOx/MM Btu Allowable

0.14 lbs NOx/MM Btu for natural gas

[24 lb NOx/1000 gal (as listed in AP-42, Table 1.3-1)] x [1 gal/139,620 Btu] = 0.172 lbs NOx/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 NOx/MM Btu for natural gas as per the November 17, 2010 Stack Test Results.
2. Emission factor of 0.172 lbs NOx/MM Btu for #2 ULSD fuel oil obtained by dividing the #2 ULSD fuel oil emission factor of 24 lbs NOx/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:

$[EF(\text{gas}) * \text{Usage}(\text{gas})] + EF[(\text{ULSD fuel oil}) * (\#2 \text{ ULSD fuel oil})] < \text{or equal to NOx RACT Limit}$

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

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

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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 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

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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.

See related Condition # 1-9 for 6 NYCRR 227-2.4 (b) (1) (ii).

Manufacturer Name/Model Number: Foster Wheeler Type D
 Parameter Monitored: FUEL CONSUMPTION
 Upper Permit Limit: 31 million British thermal units per year
 Monitoring Frequency: MONTHLY
 Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
 Reporting Requirements: ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2020.
 Subsequent reports are due every 12 calendar month(s).

Condition 1-9: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-9.1:

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	Emission Point: 00001

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Facility DEC ID: 2600500139

Process: 020

Emission Source: 00004

Regulated Contaminant(s):

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

Item 1-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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:

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0.15 lbs NO_x/MM Btu Allowable

0.14 lbs NO_x/MM Btu for natural gas

[24 lb 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

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 < 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

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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 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.

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.

See related Condition # 1-8 for 6 NYCRR 227-2.4 (b) (1) (ii).

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 DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

Condition 1-10: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-10.1:

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 1-10.2:

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

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hour.

(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 1-11: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-11.1:

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

Permit ID: 2-6005-00139/00002

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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 1-11.2:

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:

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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;

(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 DURING THE TERM OF THE PERMIT
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-12: Compliance Certification
Effective between the dates of 09/03/2019 and 08/01/2021

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

Item 1-12.1:

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

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 1-12.2:

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.
 The initial report is due 1/30/2020.
 Subsequent reports are due every 6 calendar month(s).

Permit ID: 2-6005-00139/00002

Facility DEC ID: 2600500139

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

Condition 34: Emission Point Definition By Emission Unit
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 34.1(From Mod 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

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

Condition 35: Process Definition By Emission Unit
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 35.1(From Mod 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 will burn both natural gas (Process 001) and # 2 ULSD fuel oil (Process 020), and each boiler will be 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 are 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.

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On or after July 1, 2014, the NOx RACT rule limit for large gas/oil boilers will be 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 35.2(From Mod 1):

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

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 will burn both natural gas (Process 001) and #2 USLD fuel oil (Process 020) and natural gas (Process 001), and each boiler will be 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 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 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.

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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

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STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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

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

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and

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standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 37: Contaminant List

Effective between the dates of 08/02/2016 and 08/01/2021

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: 007446-09-5
Name: SULFUR DIOXIDE

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 between the dates of 08/02/2016 and 08/01/2021

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.

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

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

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

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

Condition 26: Air pollution prohibited
Effective between the dates of 08/02/2016 and 08/01/2021

Applicable State Requirement:6 NYCRR 211.1

Item 26.1:

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

Condition 1-13: Compliance Demonstration
Effective between the dates of 09/03/2019 and 08/01/2021

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

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Item 1-13.1:

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

Emission Unit: U-00001 Process: 020	Emission Point: 00001
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 1-13.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Manufacturer Name/Model Number: Continuous Opacity Monitoring System (COMS)
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Appendix B, 40 CFR 60
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 10/30/2019.
Subsequent reports are due every 3 calendar month(s).

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