PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 2-6007-00025/02005
Effective Date: 06/26/2017 Expiration Date: 06/25/2027

Permit Issued To: NYC DEPT OF ENVIRONMENTAL PROTECTION
96-05 HORACE HARDING EXPY FL 5
CORONA, NY 11368

Contact: PAMELA ELARDO
NYCDEP BWT
96-05 HORACE HARDING EXP 2ND FL
CORONA, NY 11368
(718) 595-6924

Facility: HUNTS POINT WWTP
COSTER ST & RYAWA AVE
BRONX, NY 10474

Contact: PAMELA ELARDO
NYCDEP BWT
96-05 HORACE HARDING EXP 2ND FL
CORONA, NY 11368
(718) 595-6924

Description:
Application for renewal of Air State Facility.

The Hunts Point Wastewater Treatment Plant (WWTP) is a publicly owned secondary wastewater treatment plant capable of providing treatment for 200 million gallons of primarily residential wastewater per day in dry weather.

This Air State Facility Permit renewal application consists of the following equipment and processes updated and corrected from the current Air State Facility Permit Mod 5, issued on 11/21/2011:

• remove four existing boilers (two Kewanee 200BHP boilers and two Cleaver-Brooks 400BHP boilers) and related process (BL0)
• remove two Easco 350BHP interim boilers and related processes (SBG & SBO)
• remove one Eastmond 400BHP boiler (never installed) and related processes (RBI & RBO)
• add existing sludge degritting (SDT) process
• add existing non-exempt chemical storage (CMS) process.

The facility NOx emissions are capped at 24.9 tons per year.
The facility VOC emissions are capped at 24.9 tons per year.
The facility Total HAPs emissions are capped at 24.9 tons per year.
The annual operating hours for each emergency generator is limited to 500 hours. The owner or operator of the facility shall maintain separate records of the amount of fuel combusted in each engine generator.

Records demonstrating compliance with these caps will be kept in accordance with the permit special conditions.

The facility is subject to the provisions of State Facility requirements specified under 6NYCRR 201-7.

The Air State Facility permit contains a listing of the applicable federal, state, and compliance monitoring requirements for the facility.

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: ___ / ___ / _____

DEC Permit Conditions
Renewal 1/FINAL
Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents (“DEC”) for all claims, suits, actions, and damages, to the extent attributable to the permittee’s acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.
LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions
Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and Determinations
Applications for permit renewals, modifications and transfers
Permit modifications, suspensions or revocations by the Department

Facility Level
Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS
DEC GENERAL CONDITIONS
***** General Provisions *****
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before the expiration of permits for Title V and State Facility Permits.

Item 3.3
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.
Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:
The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

**** Facility Level ****

Condition 5: Submission of application for permit modification or renewal - REGION 2 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 2 Headquarters
Division of Environmental Permits
1 Hunters Point Plaza, 4740 21st Street
Long Island City, NY 11101-5407
(718) 482-4997
Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY

PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: NYC DEPT OF ENVIRONMENTAL PROTECTION
96-05 HORACE HARDING EXPY FL 5
CORONA, NY 11368

Facility: HUNTS POINT WWTP
COSTER ST & RYAWA AVE
BRONX, NY 10474

Authorized Activity By Standard Industrial Classification Code:
4952 - SEWERAGE SYSTEMS

Permit Effective Date: 06/26/2017
Permit Expiration Date: 06/25/2027
LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level
1  6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
2  6 NYCRR 201-3.2 (a): Compliance Demonstration
3  6 NYCRR 202-1.1: Required Emissions Tests
4  6 NYCRR Subpart 201-7: Facility Permissible Emissions
5  6 NYCRR Subpart 201-7: Capping Monitoring Condition
6  6 NYCRR Subpart 201-7: Capping Monitoring Condition
7  6 NYCRR Subpart 201-7: Capping Monitoring Condition
8  6 NYCRR 202-1.2: Notification
9  6 NYCRR 202-1.3: Acceptable procedures
10  6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
11  6 NYCRR 211.1: Air pollution prohibited
12  6 NYCRR 211.1: Compliance Demonstration
13  6 NYCRR 225-1.2: Compliance Demonstration
14  6 NYCRR 225-1.6 (f): Compliance Demonstration
15  6 NYCRR 227-1.3 (a): Compliance Demonstration
16  40CFR 60, NSPS Subpart III: Compliance and Enforcement
17  40CFR 63, Subpart JJJJJJ: Compliance and Enforcement
18  40CFR 63, Subpart ZZZZZ: Compliance and Enforcement

Emission Unit Level

EU=2-WWTRE
19  6 NYCRR 212-1.6 (a): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level
20  ECL 19-0301: Contaminant List
21  6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
22  6 NYCRR Subpart 201-5: Emission Unit Definition
23  6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
24  6 NYCRR 201-5.3 (c): Compliance Demonstration
25  6 NYCRR 211.2: Visible Emissions Limited
26  6 NYCRR 222.3 (b): Maintenance and testing of emergency power generating stationary internal combustion engines

Emission Unit Level

EU=1-COMBU
27  6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
28  6 NYCRR Subpart 201-5: Process Definition By Emission Unit

EU=2-WWTRE
29  6 NYCRR 222.4 (b): Compliance Demonstration

30  6 NYCRR 212-2.1 (a): Compliance Demonstration

NOTE: * preceding the condition number indicates capping.
FEDERALLY ENFORCEABLE CONDITIONS
**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability.

Item A: Sealing - 6 NYCRR 200.5
The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6 NYCRR 200.7
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.

**Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Recycling and Salvage - 6 NYCRR 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Item F: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

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.

**Item G: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item H: Proof of Eligibility for Sources Defined as Trivial**
Activities - 6 NYCRR 201-3.3 (a)
The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: Required Emission Tests - 6 NYCRR 202-1.1
An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item J: Open Fires Prohibitions - 6 NYCRR 215.2
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

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.

**FEDERAL APPLICABLE REQUIREMENTS**
The following conditions are federally enforceable.

**Condition 1: Exempt Sources - Proof of Eligibility**
Effective between the dates of 06/26/2017 and 06/25/2027

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

**Item 1.1:**
The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

**Condition 2: Compliance Demonstration**
Effective between the dates of 06/26/2017 and 06/25/2027

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

**Item 2.1:**
The Compliance Demonstration activity will be performed for the Facility.

**Item 2.2:**
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:
As proof of exempt eligibility for the emergency generators, the facility must maintain monthly records which demonstrate that each engine is operated less than 500 hours per year, on a 12-month rolling total basis.

Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 3: Required Emissions Tests**
Effective between the dates of 06/26/2017 and 06/25/2027
Applicable Federal Requirement: 6 NYCRR 202-1.1

Item 3.1:
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 4: Facility Permissible Emissions
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 4.1:
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

<table>
<thead>
<tr>
<th>CAS No:</th>
<th>PTE:</th>
<th>pounds per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>0NY100-00-0</td>
<td>49,800</td>
<td>TOTAL HAP</td>
</tr>
<tr>
<td>0NY210-00-0</td>
<td>49,800</td>
<td>OXIDES OF NITROGEN</td>
</tr>
<tr>
<td>0NY998-00-0</td>
<td>49,800</td>
<td>VOC</td>
</tr>
</tbody>
</table>

Condition 5: Capping Monitoring Condition
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 5.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6
6 NYCRR Subpart 231-2

Item 5.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request.
Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 5.4:**
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 5.5:**
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 5.6:**
The Compliance Demonstration activity will be performed for the Facility.

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

**Item 5.7:**
Compliance Demonstration shall include the following monitoring:

   Capping: Yes
   Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
   Monitoring Description:
   Plant-wide NOx emission is limited less than 24.9 tons per year.

   The owner or operator shall calculate NOx emission (based on the fuel usage) using the following formula:

   \[ MRNG(35) + DRNG(54) + DRDL(0.024) + BRDG(32) + EGEN(0.31) + FLAR(40) < 49,800 \text{ lbs per year} \]

   Where:
   MRNG - Total natural gas fired (from main building boilers, emission unit 1-COMBU) in mmscf/yr,
   35 - Emission factor is based on the result of October 2008 stack test, 0.035 lb/mmBtu and 1000 Btu/cuft heating value of natural gas
   DRNG - Total natural gas fired (from dewatering building boilers, emission unit 1-COMBU) in mmscf/yr,
   54 - Emission factor is based on the result of December 2006 stack test, 0.054 lb/mmBtu and 1000 Btu/cuft heating value of natural gas
   DRDL - Total distillate oil fired (from dewatering building boilers, emission unit 1-COMBU) in mmscf/yr,
   0.024 - Emission factor is based on the result of December 2006 stack test, 0.024 lb/mmBtu
   BRDG - Total diesel oil fired (from dewatering building boilers, emission unit 1-COMBU) in mmscf/yr,
   32 - Emission factor is based on the result of December 2006 stack test, 0.032 lb/mmBtu
   EGEN - Total emissions generated (from dewatering building boilers, emission unit 1-COMBU) in tons per year,
   0.31 - Emission factor is based on the result of December 2006 stack test, 0.31 lb/mmBtu
   FLAR - Total flare gas fired (from dewatering building boilers, emission unit 1-COMBU) in mmscf/yr,
   40 - Emission factor is based on the result of December 2006 stack test, 40 lb/mmBtu
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Facility DEC ID: 2600700025

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boilers, emission unit 1-COMBU) in gal/yr,
0.024 - Emission factor is from 9/7/2016 updated USEPA FIRE for 1-01-005-01, external combustion boiler, distillate oil, uncontrolled
BRDG -Total digester gas fired (from all boilers, emission unit 1-COMBU) in mmscf/yr,
32 - Emission factor is from 9/17/2016 updated US EPA FIRE for 1-01-006-02, Boilers < 100 Million Btu/hr except Tangential, low NOx burner
EGEN - Total distillate oil fired from emergency engine generators in gal/yr
0.31 - Emission factor is based on Tier II engine NOx emission limit, 6.9 g/Hp-hr and 12/17/2009 stack test result (2843 Hp engine output and 14.3 gal/hr fuel consumption), equivalent to 0.31 lb/gal
FLAR -Total digester gas flared from all three Varec 6" flares in mmscf/yr
40 - Emission factor is from 9/17/2016 updated USEPA FIRE for Solid Waste Disposal Waste Gas Flare, Uncontrolled

Process Material: FUEL
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 24.9 tons 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 1/30/2018.
Subsequent reports are due every 12 calendar month(s).

Condition 6: Capping Monitoring Condition
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 6.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6

Item 6.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 6.3:
The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any
other state and federal air pollution control requirements, regulations or law.

Item 6.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 6.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 6.6:
The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY100-00-0 TOTAL HAP

Item 6.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
Emissions from the wastewater treatment related processes vary based on the constituents of the WWTP influent, over which the WWTP has limited control. The emissions are based on annual wastewater influent sampling results and estimated by computer modeling.

For HAP emissions from wastewater treatment related sources, annual emissions will be estimated using TOXCHEM+ modeling approach and at the least annually influent sampling results.

Process Material: WASTEWATER
Parameter Monitored: TOTAL HAP
Upper Permit Limit: 24.9 tons per year
Reference Test Method: EPA 600 Series
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 12 calendar month(s).

Condition 7: Capping Monitoring Condition
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 7.1: Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6

Item 7.2: Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 7.3: The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 7.4: On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 7.5: The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 7.6: The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 7.7: Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description: Emissions from the wastewater treatment related processes vary based on the constituents of the WWTP influent, over which the WWTP has limited control. The emissions are

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based on annual wastewater influent sampling results and estimated by computer modeling.

For VOC emissions from wastewater treatment related sources, annual emissions will be estimated using TOXCHEM+ modeling approach and at the least annually influent sampling results.

Process Material: WASTEWATER
Parameter Monitored: VOC
Upper Permit Limit: 24.9 tons per year
Reference Test Method: EPA 600 Series
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 12 calendar month(s).

Condition 8: Notification
Effective between the dates of 06/26/2017 and 06/25/2027
Applicable Federal Requirement: 6 NYCRR 202-1.2

Item 8.1:
A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack testing including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 9: Acceptable procedures
Effective between the dates of 06/26/2017 and 06/25/2027
Applicable Federal Requirement: 6 NYCRR 202-1.3

Item 9.1:
Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

Condition 10: Acceptable procedures - Stack test report submittal
Effective between the dates of 06/26/2017 and 06/25/2027
Applicable Federal Requirement: 6 NYCRR 202-1.3

Item 10.1:
Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

Condition 11: Air pollution prohibited
Effective between the dates of 06/26/2017 and 06/25/2027
Applicable Federal Requirement: 6 NYCRR 211.1

Item 11.1:
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 12: 
Compliance Demonstration
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 6 NYCRR 211.1

Item 12.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 12.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The WWTP should follow the Good Engineering Practice and take precautions to minimize odors. The WWTP shall evaluate the operations and maintenance of odor control systems and keep the system in compliance. The WWTP must maintain a log on site to record the presence of odors and corrective actions taken for these odor complaints and report it to the Department annually.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due every 12 calendar month(s).

Condition 13: 
Compliance Demonstration
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 6 NYCRR 225-1.2

Item 13.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 13.2:
Compliance Demonstration shall include the following monitoring:
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
   All of New York City’s service contracts require suppliers to provide fuel oils that meet the ultralow sulfur content requirement of 0.0015% by weight for ultra-low sulfur distillate fuel oils. New York City Department of Citywide Administrative Services ("DCAS") performs monitoring of the sulfur content in the fuel oil citywide on a random basis at fuel supply terminals instead of conducting monitoring at each batch delivery.

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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 14: Compliance Demonstration
Effective between the dates of 06/26/2017 and 06/25/2027

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

Item 14.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 14.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
   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 exceedances takes place.

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 15: Compliance Demonstration**
Effective between the dates of 06/26/2017 and 06/25/2027

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

**Item 15.1:**
The Compliance Demonstration activity will be performed for the Facility.

**Item 15.2:**
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 16: Compliance and Enforcement**
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 40CFR 60, NSPS Subpart III

**Item 16.1:**
The Department has not accepted delegation of 40 CFR Part 60 Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 60 Subpart III during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.
Condition 17: Compliance and Enforcement  
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 40 CFR 63, Subpart JJJJJJJ

Item 17.1:
The Department has not accepted delegation of 40 CFR Part 63 Subpart JJJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart JJJJJJJ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

Condition 18: Compliance and Enforcement  
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 40 CFR 63, Subpart ZZZZ

Item 18.1:
The Department has not accepted delegation of 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart ZZZZ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.

**** Emission Unit Level ****

Condition 19: Compliance Demonstration  
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable Federal Requirement: 6 NYCRR 212-1.6 (a)

Item 19.1:
The Compliance Demonstration activity will be performed for:
Item 19.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
   No facility owner or operator shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY
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: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records.
Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item C:  

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

The following conditions are state only enforceable.

**Condition 20: Contaminant List**

Effective between the dates of 06/26/2017 and 06/25/2027

**Applicable State Requirement:** ECL 19-0301

**Item 20.1:**

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

- **CAS No:** 0NY100-00-0  
  **Name:** TOTAL HAP

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

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

**Condition 21: Malfunctions and start-up/shutdown activities**
Item 21.1:  
(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

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

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

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

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

Condition 22:  
Emission Unit Definition  
Effective between the dates of 06/26/2017 and 06/25/2027  
Applicable State Requirement: 6 NYCRR Subpart 201-5  

Item 22.1:  
The facility is authorized to perform regulated processes under this permit for:  
Emission Unit: 1-COMBU  
Emission Unit Description:  
This emission unit includes the following combustion
sources and their associated equipment: • five (5)
Cleaver-Brooks CBI 700-750-125HW 750Bhp (31.4 mmBtu/hr)
main building boilers (MBLR1, MBLR2, MBLR3, MBLR4 and
MBLR5), which exhaust through three emission points
(MBLRA, MBLRB, and MBLRC). These boilers burn natural gas
or digester gas;
• two (2) Cleaver-Brooks CB 200-400 400Bhp (16.7 mmBtu/hr)
dewatering building boilers (DBLR1 and DBLR2), which
exhaust through two emission points (DBLRA and DBLRB).
These boilers burn natural gas or digester gas, and use #2
fuel oil as backup;
• six (6) Cummins 2000KW emergency engine generators
(EGEN1, EGEN2, EGEN3, EGEN4, EGEN5, and EGEN6), which
exhaust through one emission point (EGENA). These
emergency engine generators are operated with ultra-low
sulfur diesel fuel; and
• three (3) Varec 244W 6” waste gas burners to flare
excessive sludge digester gas (FLAR1, FLAR2, and FLAR3),
which exhaust through three emission points (FLARA, FLARB
and FLARC).

Building(s): DEWATER
               EMERGENCY
               MAIN
               OUTDOOR

Item 22.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: 2-WWTRE
Emission Unit Description:
This emission unit consists of the WWTP’s wastewater
treatment processes. These processes include the existing
bar-screen headworks (HWK), central residual process
(CRP), primary settling process (PST), activated sludge
aeration process (AER), final settling process (FST),
chlorine contact tanks process (CCT), and non-exempt
chemical storage (CMS). The associated processes to
handle sludge produced by the wastewater treatment
processes include sludge degritting process (SDT), sludge
gravity thickening process (SGR), sludge anaerobic
digestion process (SLU), sludge dewatering process (SLD),
sludge storage tank (SLS), and digester gas holding tank
(DGH).
The above wastewater treatment processes are associated
with the WWTP’s extensive odor control system comprising
of:
• seven (7) 5,000 cfm carbon adsorbers (CRBC1, CRBC2,
CRBC3, CRBC4, CRBC5, CRBC6 and CRBC7) to treat air from
the central residual building and headworks, which exhaust
through five emission points (CRBCA, CRBCB, CRBBC, CRBCD
and CRBCE);
• four (4) 1,500 cfm carbon adsorbers (PRIC1, PRIC2, PRIC3

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and PRIC4) for the primary clarifier influent channel, which exhaust through four emission points (PRICA, PRICB, PRICC and PRICD);
• one (1) 1,500 cfm carbon adsorber (SGTC1) to treat air from the sludge gravity thickeners, which exhaust through the emission point SGTCA;
• one 1,500 cfm carbon adsorber (DOBC1) to treat air from the anaerobic digester overflow box, which exhaust through the emission point DOBCA;
• four 50,000 cfm wet scrubbers (DWBS1, DWBS2, DWBS3, and DWBS4) to treat air from the dewatering building, which exhaust through four emission points (DWBSA, DWBSB, DWBSB, and DWBSD); and
• two 2,875 cfm two-stage odor control systems (DWBC1 and DWBC2) to treat air from the dewatering centrifuge process, which exhaust through emission points (DWBCA and DWBCB).
• one 14,000 cfm carbon adsorber (SSTC1) to treat air from the sludge storage tank #10, which exhaust through the emission point SSTCA.

Building(s): CENTRES
DEWATER
MAIN
OUTDOOR

Condition 23: Renewal deadlines for state facility permits
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable State Requirement: 6 NYCRR 201-5.2 (c)

Item 23.1:
The owner or operator of a facility having an issued state facility 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.

Condition 24: Compliance Demonstration
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable State Requirement: 6 NYCRR 201-5.3 (c)

Item 24.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 24.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control
Engineer (RAPCE) at the following address:

Division of Air Resources  
NYS Dept. of Environmental Conservation  
Region 2  
47-40 21st St.  
Long Island City, NY 11101

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 25: Visible Emissions Limited  
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable State Requirement: 6 NYCRR 211.2

Item 25.1:  
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 26: Maintenance and testing of emergency power generating stationary internal combustion engines  
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable State Requirement: 6 NYCRR 222.3 (b)

Item 26.1: Maintenance and testing of emergency power generating stationary internal combustion engines may not be conducted between the hours of 1:00 pm and 8:00 pm from May 1st through September 30 of each year.

**** Emission Unit Level ****

Condition 27: Emission Point Definition By Emission Unit  
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 27.1:  
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-COMBU
Emission Point: DBLRA
Height (ft.): 87 Diameter (in.): 24
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: DEWATER

Emission Point: DBLRB
Height (ft.): 87 Diameter (in.): 24
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: DEWATER

Emission Point: EGENA
Height (ft.): 50 Diameter (in.): 84
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: EMERGENCY

Emission Point: FLARA
Height (ft.): 29 Diameter (in.): 72
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: OUTDOOR

Emission Point: FLARB
Height (ft.): 29 Diameter (in.): 72
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: OUTDOOR

Emission Point: FLARC
Height (ft.): 29 Diameter (in.): 72
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: OUTDOOR

Emission Point: MBLRA
Height (ft.): 76 Diameter (in.): 42
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: MAIN

Emission Point: MBLRB
Height (ft.): 76 Diameter (in.): 42
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: MAIN

Emission Point: MBLRC
Height (ft.): 76 Diameter (in.): 42
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: MAIN

Item 27.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 2-WWTRE

Emission Point: CRBCA
Height (ft.): 95 Diameter (in.): 30
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: CENTRES

Emission Point: CRBCB
Height (ft.): 95 Diameter (in.): 30
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: CENTRES

Emission Point: CRBCC
Height (ft.): 95 Diameter (in.): 30
NYTMN (km.): 4517.573 NYTME (km.): 594.342 Building: CENTRES
Emission Point: CRBCD
  Height (ft.): 95  Diameter (in.): 30  Building: CENTRES
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: CRBCE
  Height (ft.): 95  Diameter (in.): 30  Building: CENTRES
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: DOBCA
  Height (ft.): 12  Diameter (in.): 12  Building: OUTDOOR
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: DWBCA
  Height (ft.): 70  Diameter (in.): 44  Building: DEWATER
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: DWBCB
  Height (ft.): 70  Diameter (in.): 44  Building: DEWATER
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: DWBSA
  Height (ft.): 70  Diameter (in.): 44  Building: DEWATER
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: DWBSB
  Height (ft.): 70  Diameter (in.): 44  Building: DEWATER
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: DWBSC
  Height (ft.): 70  Diameter (in.): 44  Building: DEWATER
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: DWBSD
  Height (ft.): 70  Diameter (in.): 44  Building: DEWATER
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: PRICA
  Height (ft.): 10  Diameter (in.): 12  Building: OUTDOOR
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: PRICB
  Height (ft.): 10  Diameter (in.): 12  Building: OUTDOOR
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: PRICC
  Height (ft.): 10  Diameter (in.): 12  Building: OUTDOOR
  NYTMN (km.): 4517.573  NYTME (km.): 594.342

Emission Point: PRICD
  Height (ft.): 10  Diameter (in.): 12  Building: OUTDOOR
  NYTMN (km.): 4517.573  NYTME (km.): 594.342
Condition 28:  Process Definition By Emission Unit
Effective between the dates of 06/26/2017 and 06/25/2027

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 28.1:  This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-COMBU
Process: BDG  Source Classification Code: 1-03-007-01
Process Description: Firing digester gas in boilers.

Emission Source/Control: DBLR1 - Combustion
Design Capacity: 16.7  million Btu per hour

Emission Source/Control: DBLR2 - Combustion
Design Capacity: 16.7  million Btu per hour

Emission Source/Control: MBLR1 - Combustion
Design Capacity: 31.4  million Btu per hour

Emission Source/Control: MBLR2 - Combustion
Design Capacity: 31.4  million Btu per hour

Emission Source/Control: MBLR3 - Combustion
Design Capacity: 31.4  million Btu per hour

Emission Source/Control: MLRB4 - Combustion
Design Capacity: 31.4  million Btu per hour

Emission Source/Control: MLRB5 - Combustion
Design Capacity: 31.4  million Btu per hour

Item 28.2:  This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-COMBU
Process: BNG  Source Classification Code: 1-03-006-02
Process Description: Firing natural gas in boilers.

Emission Source/Control: DBLR1 - Combustion
Design Capacity: 16.7  million Btu per hour
Emission Source/Control: DBLR2 - Combustion
Design Capacity: 16.7 million Btu per hour

Emission Source/Control: MBLR1 - Combustion
Design Capacity: 31.4 million Btu per hour

Emission Source/Control: MBLR2 - Combustion
Design Capacity: 31.4 million Btu per hour

Emission Source/Control: MBLR3 - Combustion
Design Capacity: 31.4 million Btu per hour

Emission Source/Control: MLRB4 - Combustion
Design Capacity: 31.4 million Btu per hour

Emission Source/Control: MLRB5 - Combustion
Design Capacity: 31.4 million Btu per hour

Item 28.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-COMBU
Process: BOI Source Classification Code: 1-03-005-02
Process Description: Firing #2 fuel oil in boilers.

Emission Source/Control: DBLR1 - Combustion
Design Capacity: 16.7 million Btu per hour

Emission Source/Control: DBLR2 - Combustion
Design Capacity: 16.7 million Btu per hour

Item 28.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-COMBU
Process: FLA Source Classification Code: 5-01-007-89
Process Description:
  Burning excessive sludge digester gas in three (3) Varec
  244W 6" waste gas burners.

Emission Source/Control: FLAR1 - Combustion
Design Capacity: 21.3 million Btu per hour

Emission Source/Control: FLAR2 - Combustion
Design Capacity: 21.3 million Btu per hour

Emission Source/Control: FLAR3 - Combustion
Design Capacity: 21.3 million Btu per hour

Item 28.5:
This permit authorizes the following regulated processes for the cited Emission Unit:
Emission Unit: 1-COMBU  
Process: GEN  
Source Classification Code: 2-01-001-02  
Process Description: Firing diesel fuel in generators.

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

Emission Source/Control: EGEN2 - Combustion  
Design Capacity: 2,000 kilowatts

Emission Source/Control: EGEN3 - Combustion  
Design Capacity: 2,000 kilowatts

Emission Source/Control: EGEN4 - Combustion  
Design Capacity: 2,000 kilowatts

Emission Source/Control: EGEN5 - Combustion  
Design Capacity: 2,000 kilowatts

Emission Source/Control: EGEN6 - Combustion  
Design Capacity: 2,000 kilowatts

Item 28.6:  
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WWTRE  
Process: AER  
Source Classification Code: 5-01-007-31  
Process Description:  
This process is the WWTP's secondary treatment activated sludge aeration process (AER). This process includes two (2) 355' x 30' x 15' (east battery), and four (4) 438' x 25' x 15' (west battery) activated diffused aeration tanks. During the WWTP's upgrade construction, the aeration tanks were modified to introduce step-fed Biological Nutrient Removal (BNR) treatment to this process.

In this process, the effluent from the primary treatment section containing mainly colloidal and dissolved solids (both inorganic and organic) are treated biologically by utilizing many different types of microorganisms in a controlled environment. These beneficial microorganisms consume most of the remaining organic pollutants producing heavier particles which settle out later in the final settling tanks. Large amounts of air are pumped into aeration tanks mixing the wastewater and sludge returned from the WWTP's final settling tanks.

The total throughput is based on the design average dry weather flow of 200 MGD.

Emission Source/Control: AERTE - Process
Design Capacity: 67,000,000 gallons per day

Emission Source/Control: AERTW - Process
Design Capacity: 133,000,000 gallons per day

Item 28.7:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WWTRE
Process: CCT    Source Classification Code: 5-01-007-60
Process Description:
This process is the WWTP's chlorine contact wastewater disinfection process consisting of two (2) 472' x 26' x 12' chlorine contact tanks (CCT).

In this process, wastewater from the final settling tanks flows to the chlorine contact tanks where sodium hypochlorite is added into the wastewater stream to destroy and kill the harmful organisms and thereby to protect the receiving waters.

The total throughput is based on the design average dry weather flow of 200 MGD.

Emission Source/Control: CCTNK - Process
Design Capacity: 200,000,000 gallons per day

Item 28.8:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WWTRE
Process: CMS    Source Classification Code: 5-01-007-99
Process Description:
This process includes operation of the WWTP's non-exempt chemical storage tanks, five (5) 12,000 gallon sodium hypochlorite tanks (HYPO1, HYPO2, HYPO3, HYPO4 and HYPO5), four (4) 16,000 gallon hydroxide tanks (HYDO1, HYDO2, HYDO3 and HYDO4), and two (2) 25,000 gallon acrylamide tanks (ACYR1 and ACRY2).

Currently, DEP is in process of installing three 15,000 gallon glycerol storage tanks (GYOL1, GYOL2 and GYOL3) in the fuel cell building for BNR treatment which is introduced in activated sludge aeration process (AER) process.

Emission Source/Control: ACRY1 - Process
Design Capacity: 25,000 gallons

Emission Source/Control: ACRY2 - Process
Design Capacity: 25,000 gallons
Emission Source/Control:   GYOL1 - Process  
Design Capacity: 15,000   gallons

Emission Source/Control:   GYOL2 - Process  
Design Capacity: 15,000   gallons

Emission Source/Control:   GYOL3 - Process  
Design Capacity: 15,000   gallons

Emission Source/Control:   HYDO1 - Process  
Design Capacity: 16,000   gallons

Emission Source/Control:   HYDO2 - Process  
Design Capacity: 1,233,000   cubic feet

Emission Source/Control:   HYDO3 - Process  
Design Capacity: 16,000   gallons

Emission Source/Control:   HYDO4 - Process  
Design Capacity: 16,000   gallons

Emission Source/Control:   HYPO1 - Process  
Design Capacity: 12,000   gallons

Emission Source/Control:   HYPO2 - Process  
Design Capacity: 12,000   gallons

Emission Source/Control:   HYPO3 - Process  
Design Capacity: 12,000   gallons

Emission Source/Control:   HYPO4 - Process  
Design Capacity: 12,000   gallons

Emission Source/Control:   HYPO5 - Process  
Design Capacity: 12,000   gallons

**Item 28.9:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit:    2-WWTRE  
Process: CRP  
Source Classification Code: 5-01-007-99

**Process Description:**
The process is the Central Residual Process (CRP), which takes place in the Central Residual Building. The process includes the following areas: screening room, channels, compactor, the sludge screening areas, the grit cyclones, the classifier areas, the skimmings concentrator areas and the disposal areas. The odor control system consists of seven (7) carbon adsorbers (CRBC1, CRBC2, CRBC3, CRBC4, CRBC5, CRBC6 and CRBC7) that discharge through five exhaust stacks (CRBCA, CRBCB, CRBCC, CRBCD, and CRBCE).
The total throughput is based on the designed ventilation air flow capacity of the activated carbon adsorption vessels.

Emission Source/Control: CRBC1 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC2 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC3 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC4 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC5 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC6 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC7 - Process
Design Capacity: 5,000 cubic feet per minute

Item 28.10:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WWTRE
Process: DGH Source Classification Code: 5-01-007-99
Process Description:
The process consists of the WWTP's sludge digester gas holding tank storage process (DGH). Digester gas produced in the digester tanks will be stored in one (1) 240,000 cu ft digester gas holding tank (DGHTK) for later use at the combustion units.

The Total throughput is estimated based on the design sludge digester gas production.

Emission Source/Control: DGHTK - Process
Design Capacity: 240,000 cubic feet

Item 28.11:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WWTRE
Process: FST Source Classification Code: 5-01-007-40
Process Description:
This is the WWTP's wastewater treatment final settling (FST) process. This process includes four (4) groups of
four (4) final settling tanks, North, South, East and West, for a total of sixteen (16) final settling tanks.

The purpose of this final settling process is two-fold: settle out microorganisms and activated sludge solid waste generated during the aeration process to produce a clarified effluent, and to collect the settled activated sludge for conveyance back to the aeration tanks.

The total throughput is based on the design average dry weather flow of 200 MGD.

Emission Source/Control: FSTCE - Process  
Design Capacity: 46,000,000 gallons per day

Emission Source/Control: FSTCN - Process  
Design Capacity: 16,000,000 gallons per day

Emission Source/Control: FSTCS - Process  
Design Capacity: 16,000,000 gallons per day

Emission Source/Control: FSTCW - Process  
Design Capacity: 122,000,000 gallons per day

**Item 28.12:**
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WWTRE  
Process: HWK  
Source Classification Code: 5-01-007-07  
Process Description:  
This process is the WWTP's headworks (HWK) process prior to primary settling. This process includes the forebay (FBAY), four (4) bar screens (BSCRN) and the primary influent channel in the WWTP's Main Building (MAIN). The bar screens consist of upright bars spaced one to three inches apart. The primary purpose of the bar screening is to remove large pieces of trash (rags, sticks, newspapers, cans, etc.) for the protection of the main sewage pumps and other equipment. The exhaust from the screening room is treated with seven carbon adsorbers (CRBC1, CRBC2, CRBC3, CRBC4, CRBC5, CRBC6 and CRBC7) in the central residual building (CENTRES). The primary influent channels are covered and the exhaust is treated with four carbon adsorbers (PRIC1, PRIC2, PRIC3 and PRIC4).

The total throughput is based on the design average dry weather flow of 200 MGD.

Emission Source/Control: CRBC1 - Control  
Control Type: ACTIVATED CARBON ADSORPTION
Emission Source/Control: CRBC2 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC3 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC4 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC5 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CRBC6 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: PRIC1 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: PRIC2 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: PRIC3 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: PRIC4 - Control  
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: BSCRN - Process  
Design Capacity: 200,000,000 gallons per day

Emission Source/Control: CRBC7 - Process  
Design Capacity: 5,000 cubic feet per minute

Emission Source/Control: FOBAY - Process  
Design Capacity: 200,000,000 gallons per day

Item 28.13:  
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WWTRE  
Process: PST  
Source Classification Code: 5-01-007-20  
Process Description:

This process is the WWTP's primary clarifier complex process consisting of six (6) primary settling tanks (PST). There are two (2) 168' x 103.8' x 12' east battery primary settling tanks and four (4) 168' x 103.8' x 12' west battery primary settling tanks.

Primary settling is a process in which the solid particles carried in raw sewage are removed by gravity under quiescent conditions in the primary settling tanks. In addition, the primary settling tanks are used to separate
and remove floating materials and scum. Solids and grit collected in the tanks are removed as a thin sludge by continuous pumping to the cyclone degritters. Each primary settling tank is equipped with sludge collectors, dipping weirs, scum removal equipment, inlet sluice gate overflow weirs.

The total throughput is based on the design average dry weather flow of 200 MGD.

<table>
<thead>
<tr>
<th>Emission Source/Control</th>
<th>PCLAE - Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Capacity</td>
<td>67,000,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emission Source/Control</th>
<th>PCLAW - Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Capacity</td>
<td>133,000,000</td>
</tr>
</tbody>
</table>

**Item 28.14:**
This permit authorizes the following regulated processes for the cited Emission Unit:

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>2-WWTRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process</td>
<td>SDT</td>
</tr>
<tr>
<td>Source Classification Code</td>
<td>5-01-007-31</td>
</tr>
</tbody>
</table>

**Process Description:**
This sludge degritting process includes eight (8) sludge cyclone degritters (500 GPM).

<table>
<thead>
<tr>
<th>Emission Source/Control</th>
<th>CYCDG - Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Capacity</td>
<td>500</td>
</tr>
</tbody>
</table>

**Item 28.15:**
This permit authorizes the following regulated processes for the cited Emission Unit:

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>2-WWTRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process</td>
<td>SGR</td>
</tr>
<tr>
<td>Source Classification Code</td>
<td>5-01-007-71</td>
</tr>
</tbody>
</table>

**Process Description:**
This process is the WWTP’s sludge gravity thickening (SGR) process, including four (4) 280,000 gallon sludge gravity thickeners. The sludge from primary and final settling tanks (approximately 99% water) is concentrated in these thickening tanks. The water is sent back to the head of the WWTP or aeration tanks for additional treatment.

The total throughput is based on sludge design capacity of 230,000 lbs/day.

<table>
<thead>
<tr>
<th>Emission Source/Control</th>
<th>GTTK1 - Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Capacity</td>
<td>280,000</td>
</tr>
</tbody>
</table>

**Item 28.16:**
This permit authorizes the following regulated processes for the cited Emission Unit:

| Emission Unit       | 2-WWTRE         |
Process: SLD
Source Classification Code: 5-01-007-92

Process Description:
This process is the WWTP's sludge dewatering (SLD) process in the dewatering facility.

Under this process, sludge is further concentrated by mechanical means, via centrifuge and presses, to remove water. Wet scrubber and activated carbon adsorbers are utilized for odor control purposes. The wet scrubbers use chemicals to achieve design H2S removal efficient at high H2S concentrations but could achieve adequate H2S removal efficiency by using less or no chemicals at normal low H2S inlet concentrations. Four (4) 50,000 cfm wet scrubbers (DWBS1, DWBS2, DWBS3, and DWBS4) are utilized for the building's ventilation odor control but only three of the four units are online at a time, one unit is backup. Two (2) double stage odor control systems (DWBC1 and DWBC2) comprised of wet scrubbers and activated carbon adsorbers are used for ventilation of the centrifuges operation, but only one system is online at a time and the other one is used for backup.

Emission Source/Control: DWBC1 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: DWBC2 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: DWBS1 - Control
Control Type: WET SCRUBBER

Emission Source/Control: DWBS2 - Control
Control Type: WET SCRUBBER

Emission Source/Control: DWBS3 - Control
Control Type: WET SCRUBBER

Emission Source/Control: DWBS4 - Process
Design Capacity: 50,000 cubic feet per minute

Item 28.17:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 2-WWTRE
Process: SLS
Source Classification Code: 5-01-007-95

Process Description:
This process is the WWTP's sludge storage (SLS) process, including four (4) sludge storage tanks in the dewatering building. Excessive sludge will be stored in these storage tanks. A dual bed carbon adsorber (SSTC1) is utilized near the sludge storage tanks for odor control purpose.
The total throughput is based on sludge design capacity of 230,000 lbs/day.

Emission Source/Control: SSTC1 - Process
Design Capacity: 14,000 cubic feet per minute

**Item 28.18:**
This permit authorizes the following regulated processes for the cited Emission Unit:

<table>
<thead>
<tr>
<th>Emission Unit: 2-WWTRE</th>
<th>Process: SLU</th>
<th>Source Classification Code: 5-01-007-81</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process Description:</td>
<td></td>
<td>This process is the WWTP's Sludge Anaerobic Digestion (SLU) process including four (4) sludge digestion tanks (DIGTK) each 369,000 cu ft.</td>
</tr>
</tbody>
</table>

After sludge gravity thickening, in order to make it safe for the environment, the sludge is placed in oxygen-free tanks called digesters. Excessive sludge will be temporarily stored in storage tanks. Digesters are heated to at least 95°F for between 15 - 20 days stimulating the growth of anaerobic bacteria which consume organic material in the sludge. In the digesters, sludge is converted into water, carbon dioxide and methane gas. The methane gas is often used as an energy source to operate boilers.

A single bed activated carbon adsorber (DOBC1) is utilized at the anaerobic digester distribution box for odor control purposes.

The digested sludge is pumped from these digestion tanks to the sludge storage tanks.

<table>
<thead>
<tr>
<th>Emission Source/Control: DOBC1 - Control</th>
<th>Control Type: ACTIVATED CARBON ADSORPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emission Source/Control: DIGTK - Process</td>
<td>Design Capacity: 369,000 cubic feet</td>
</tr>
</tbody>
</table>

**Condition 29:** Compliance Demonstration
Effective between the dates of 06/26/2017 and 06/25/2027

**Applicable State Requirement:** 6 NYCRR 222.4 (b)

**Item 29.1:**
The Compliance Demonstration activity will be performed for:

<table>
<thead>
<tr>
<th>Emission Unit: 1-COMBU</th>
</tr>
</thead>
</table>

**Item 29.2:**
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:
Each distributed generation source must be tuned-up at least once every 12 months.

Records of tune-ups must be maintained in a bound log book or an electronic format and must be kept at the facility for at least five years after the date of the last entry. The following information must be contained in the log book for each tune-up:

(1) date that each distributed generation source was tuned-up;

(2) name, title and affiliation of the person(s) who conducted the tune-up;

(3) description of the tasks performed during the tune-up;

(4) results of the tune-up; and

(5) other information that the Department may require as a condition of approval of any permit.

Monitoring Frequency: ANNUALLY  
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 30: Compliance Demonstration  
Effective between the dates of 06/26/2017 and 06/25/2027  
Applicable State Requirement: 6 NYCRR 212-2.1 (a)

Item 30.1:  
The Compliance Demonstration activity will be performed for:

Emission Unit: 2-WWTRE

Item 30.2:  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:
For an air contaminant listed in Section 212-2.2 Table 2 – High Toxicity Air Contaminant List, of this Part, the facility owner or operator shall demonstrate compliance with the air cleaning requirements for the HTAC as specified in Subdivision 212-2.3(b), Table 4 – Degree of
Air Cleaning Required for Non-Criteria Air Contaminants.

For an HTAC assigned an Environmental Rating of A and has an Emission Rate Potential (ERP) of less than 0.1 pound per hour and annual mass emissions of a persistent and bioaccumulative compound less than the PB Trigger, the owner or operator is required to meet the short term and annual guideline concentration at the fenceline of the facility.

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: ANNUAL TOTAL
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY