



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-5518-00342/00019
Effective Date: 04/29/2014 Expiration Date: 04/28/2019

Permit Issued To: WESTCHESTER COUNTY
148 MARTINE AVE
WHITE PLAINS, NY 10601-4704

Contact: WESTCHESTER CO DEPT OF ENVIRONMENTAL FACILITIES
270 NORTH AVE
NEW ROCHELLE, NY 10801
(914) 813-5400

Facility: YONKERS JOINT WWTP
1 FERNBROOK ST | LUDLOW DOCK SOUTH
YONKERS, NY 10705

Description:

The Yonkers Joint Wastewater Treatment Plant (YJWWTP) provides primary and secondary treatment of wastewater generated from portions of southern and western Westchester County. The facility is currently permitted to treat 120 MGD from June 1 to October 31, and 145 MGD from November 1 to May 31, pursuant to a SPDES permit issued by NYSDEC.

The plant maintains several combustion sources such as boilers (serving the primary and secondary processes), engines (serving the aeration tanks blowers), emergency generators and flairs. The plant also maintains several odor control systems.

Digester gas is used as fuel for the primary boilers and secondary boilers, which are used for process steam and plant heating. Digester gas is also utilized in a fuel cell demonstration project operated at the YJWWTP by the New York power authority, as well as by process air engines, which are currently used to provide air for various plant processes in the event of the loss of electrical power at the facility. Excess digester gas is combusted in 4 waste burners (flares).

Certain areas within the YJWWTP with odor-causing potential are controlled using mist scrubber systems. These processes consist of the following: dewatering facility (EP 00002), primary thickener and dewatering facility (EP 00003), South Yonkers screen house (EP 00004) and the aeration grit chambers and primary settling tanks (EP 00005). These systems are primarily designed to control hydrogen sulfide.

New York State Department of Environmental Conservation
Facility DEC ID: 3551800342



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: GEORGE A SWEIKERT
 NYSDEC
 21 S PUTT CORNERS RD
 NEW PALTZ, NY 12561-1696

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



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 3 HEADQUARTERS



DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for 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 3 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 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

New York State Department of Environmental Conservation

Permit ID: 3-5518-00342/00019

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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148 MARTINE AVE
WHITE PLAINS, NY 10601-4704

Facility: YONKERS JOINT WWTP
1 FERNBROOK ST | LUDLOW DOCK SOUTH
YONKERS, NY 10705

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

Permit Effective Date: 04/29/2014

Permit Expiration Date: 04/28/2019



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
 - 2 6 NYCRR 201-6.4 (a) (7): Fees
 - 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
 - 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
 - 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
 - 6 6 NYCRR 201-6.4 (e): Compliance Certification
 - 7 6 NYCRR 202-2.1: Compliance Certification
 - 8 6 NYCRR 202-2.5: Recordkeeping requirements
 - 9 6 NYCRR 215.2: Open Fires - Prohibitions
 - 10 6 NYCRR 200.7: Maintenance of Equipment
 - 11 6 NYCRR 201-1.7: Recycling and Salvage
 - 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
 - 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
 - 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
 - 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
 - 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
 - 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
 - 18 6 NYCRR 202-1.1: Required Emissions Tests
 - 19 40 CFR Part 68: Accidental release provisions.
 - 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
 - 21 6 NYCRR Subpart 201-6: Emission Unit Definition
 - 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
 - 23 6 NYCRR Subpart 201-7: Facility Permissible Emissions
 - *24 6 NYCRR Subpart 201-7: Capping Monitoring Condition
 - 25 6 NYCRR 211.1: Air pollution prohibited
 - 26 6 NYCRR 225-1.2 (b): Compliance Certification
 - 27 6 NYCRR 225-1.2 (g): Compliance Certification
 - 28 6 NYCRR 227-1.3: Compliance Certification
 - 29 6 NYCRR 227-1.3 (a): Compliance Certification
 - 30 6 NYCRR 227-2.4 (d): Compliance Certification
 - 31 40CFR 60, NSPS Subpart IIII: Applicability
 - 32 40CFR 60, NSPS Subpart JJJJ: Applicability
- #### Emission Unit Level
- 33 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 34 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
 - 35 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions

EU=1-ENGINE

- 36 6 NYCRR 227-2.4 (f) (3): Compliance Certification
- 37 6 NYCRR 227-2.6: Compliance Certification

EU=1-FLARE



- *38 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *39 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 40 6 NYCRR 227-2.4 (d): Compliance Certification

EU=1-YJWTP,EP=00001

- 41 6 NYCRR 212.3 (a): Emissions from Existing Sources

EU=1-YJWTP,EP=00002

- 42 6 NYCRR 212.3 (a): Emissions from Existing Sources

EU=1-YJWTP,EP=00003

- 43 6 NYCRR 212.3 (a): Emissions from Existing Sources

EU=1-YJWTP,EP=00006

- 44 6 NYCRR 212.3 (a): Emissions from Existing Sources

EU=1-YJWTP,EP=00007

- 45 6 NYCRR 212.3 (a): Emissions from Existing Sources

EU=2-ENGIN

- 47 6 NYCRR 227-2.4 (f) (1): Compliance Certification
- 46 6 NYCRR 227-2.6: Compliance Certification

EU=2-ENGIN,EP=00033

- 48 6 NYCRR 227-2.4 (f) (2): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 49 ECL 19-0301: Contaminant List
- 50 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 51 6 NYCRR 211.2: Visible Emissions Limited
- 52 6 NYCRR 221.2: Asbestos containing surface coatings prohibited

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

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

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

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

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

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

Item K: 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. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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

Item L: 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



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

If above paragraphs (1) or (2) are met, the source must

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

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies 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). 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 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 04/29/2014 and 04/28/2019

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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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 compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies 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). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

NYSDEC
21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

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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 04/29/2014 and 04/28/2019

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 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

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

Item 9.2

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

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.

(b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used



for cooking or processing food.

(c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.

(d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.

(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.

(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.

(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

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

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

**Condition 10: Maintenance of Equipment
Effective between the dates of 04/29/2014 and 04/28/2019**

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



Condition 20: Recycling and Emissions Reduction
Effective between the dates of 04/29/2014 and 04/28/2019

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.

Condition 21: Emission Unit Definition
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

Emission Unit: 1-CSOBL

Emission Unit Description:

Two exempt CSO boilers each rated at 3.4 mmbtu/hr.

Building(s): CSO

Item 21.2:

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

Emission Unit: 1-ENGIN

Emission Unit Description:

Two dual fuel reciprocating engines, each rated at 1,700 HP are used to drive the air blowers. The engines are run one at a time, with the second engine being used as a back up. During startup and maintenance times, the engines burn diesel. All other times the engines burn a combination of digester gas and diesel (the quantity of diesel burned, to maintain the pilot light on, is approximately 1 gallon per hour).

Building(s): BLOWER

Item 21.3:

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

Emission Unit: 1-FLARE

Emission Unit Description:

Four Flares burn the excess digester gas generated by the primary and the secondary digesters. The fourth waste gas burner, rated at 88,150 cubic feet per hour, was

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installed in 2006, was operated in 2007 and is permitted under Renewal 1, Modification 1. Prior to this modification, three waste gas burners were used to combust the excess digester gas. Each of the three existing burners has a design capacity of capacity is 24,000 cubic feet of digester gas per hour.

Building(s): PDB
PLANT

Item 21.4:

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

Emission Unit: 1-SDBLR

Emission Unit Description:

Two boilers each rated at 16.7 mmbtu/hr which combust digester gas and No. 2 fuel oil. Boilers are used to provide process steam and plant heating.

Note: The two 23 mmBTU/hr (each), boilers that served this unit prior to Hurricane Sandy were damaged and were replaced by the smaller (16.7 mmbtu/hr) boilers.

Building(s): BLOWER

Item 21.5:

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

Emission Unit: 1-YJWTP

Emission Unit Description:

Various sources including the odor control systems from the plant. - This Emission Unit consists of air contamination sources resulting from the handling and treatment of municipal wastewater and sewage sludge at the Yonkers Joint Wastewater Treatment Plant. Major wastewater processes include mechanical bar screening, aerated grit removal, primary settling tanks, aeration basins, secondary settling tanks and chlorination. Treated wastewater effluent is discharged to the Hudson River. Sludge is collected from the primary and secondary settling tanks and is thickened to increase the solids content. Thickened sludge is anaerobically digested and then pumped to two sludge storage tanks for storage prior to Dewatering and off-site disposal. The facility is permitted to process a maximum of 120 million gallons per day on a 12 month rolling average.

Building(s): CHLCT
CSO
DEWATERING
FLOTATION

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FST
PRIMTANK
SCRENGRIT
SECDG

Item 21.6:

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

Emission Unit: 2-ENGIN

Emission Unit Description:

ADG Engine - This emission unit comprises a spark-ignited (MWM TCG 2020 V16m, ~ 2100 BHP, 4-cycle) engine. The engine will run on digester gas initially. When the plant installs a natural gas line the engine will run on both natural and digester gas.

Building(s): BLOWER

Item 21.7:

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

Emission Unit: 2-SDBLR

Emission Unit Description:

Two exempt boilers each rated at 8.4 mmBTU/hr. The boilers serve the primary building and the sludge heat exchangers.

Building(s): DEWATERING

Item 21.8:

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

Emission Unit: 3-ENGIN

Emission Unit Description:

One 2500 KW diesel generator (Cummins - 2500DQLC, Compression Ignition- Internal Combustion Engine).

Building(s): SCRENGRIT

Condition 22: Progress Reports Due Semiannually

Effective between the dates of 04/29/2014 and 04/28/2019

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

Item 22.1:

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

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met,

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and any preventive or corrective measures adopted.

Condition 23: Facility Permissible Emissions
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 23.1:

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:

CAS No: 0NY210-00-0

PTE: 200,000 pounds per year

Name: OXIDES OF NITROGEN

Condition 24: Capping Monitoring Condition
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 24.1:

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

6 NYCRR Subpart 231-6

Item 24.2:

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

Item 24.3:

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 24.4:

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 24.5:

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

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201 and of the Act.

Item 24.6:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 2-ENGIN

Emission Unit: 3-ENGIN

Regulated Contaminant(s):

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

Item 24.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Nitrogen Oxides emissions generated from the ADG engine and the CUMMINS emergency generator (emission units 2ENG and 3ENG) shall not exceed 23.2 tons per year.

The facility shall monitor fuel consumption of each one of these units monthly and shall calculate nitrogen oxide emissions using emission factors derived from stack testing or published data if stack testing factors are not available.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 46,400 pounds per year

Reference Test Method: N/A

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 25: Air pollution prohibited

Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 211.1

Item 25.1:

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,

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pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 26: Compliance Certification
Effective between the dates of 04/29/2014 and 04/28/2019

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

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires either solid fuels or oil are limited to the firing of solid fuels or oil with a sulfur content listed in paragraph 6 NYCRR 225-1.(2)(b) through June 30, 2014.

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: DIESEL OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.37 percent

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 27: Compliance Certification
Effective between the dates of 04/29/2014 and 04/28/2019

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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 28: Compliance Certification

Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired boilers which are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This



observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

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

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence.

The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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



Condition 29: Compliance Certification
Effective between the dates of 04/29/2014 and 04/28/2019

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

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the Method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up Method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY

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Upper Permit Limit: 20 percent
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

Condition 30: Compliance Certification
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 227-2.4 (d)

Item 30.1:
The Compliance Certification activity will be performed for the Facility.

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

Item 30.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 31: Applicability
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 31.1:
Facilities that have stationary compression ignition internal combustion engines must comply with applicable portions of 40 CFR 60 Subpart IIII.

Condition 32: Applicability
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:40CFR 60, NSPS Subpart JJJJ



Item 32.1:

Facilities that have stationary spark ignition internal combustion engines must comply with applicable portions of 40 CFR 60 subpart JJJJ.

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

**Condition 33: Emission Point Definition By Emission Unit
Effective between the dates of 04/29/2014 and 04/28/2019**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 33.1:

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

Emission Unit: 1-CSOBL

Emission Point: 00004

Height (ft.): 36

Diameter (in.): 49

NYTMN (km.): 4530.338 NYTME (km.): 591.843 Building: CSO

Item 33.2:

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

Emission Unit: 1-ENGIN

Emission Point: 00030

Height (ft.): 29

Diameter (in.): 20

NYTMN (km.): 4530.434 NYTME (km.): 591.823 Building: BLOWER

Emission Point: 00031

Height (ft.): 29

Diameter (in.): 20

NYTMN (km.): 4530.423 NYTME (km.): 591.844 Building: BLOWER

Item 33.3:

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

Emission Unit: 1-FLARE

Emission Point: 00015

Height (ft.): 8 Diameter (in.): 20

NYTMN (km.): 4530.72 NYTME (km.): 591.932 Building: PLANT

Emission Point: 00016

Height (ft.): 8 Diameter (in.): 20

NYTMN (km.): 4530.714 NYTME (km.): 591.953 Building: PLANT

Emission Point: 00017

Height (ft.): 8 Diameter (in.): 20

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NYTMN (km.): 4530.706 NYTME (km.): 591.963 Building: PLANT

Emission Point: 00032

Height (ft.): 36

Diameter (in.): 8

NYTMN (km.): 4530.34 NYTME (km.): 591.84 Building: PDB

Item 33.4:

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

Emission Unit: 1-SDBLR

Emission Point: 00012

Height (ft.): 30

Diameter (in.): 24

NYTMN (km.): 4530.338 NYTME (km.): 591.843 Building: BLOWER

Emission Point: 00013

Height (ft.): 30

Diameter (in.): 24

NYTMN (km.): 4530.338 NYTME (km.): 591.843 Building: BLOWER

Item 33.5:

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

Emission Unit: 1-YJWTP

Emission Point: 00001

Height (ft.): 33

Diameter (in.): 53

NYTMN (km.): 4530.34 NYTME (km.): 591.843 Building: CSO

Emission Point: 00002

Height (ft.): 19

Diameter (in.): 24

NYTMN (km.): 4530.338 NYTME (km.): 591.843 Building: PRIMTANK

Emission Point: 00003

Height (ft.): 33

Diameter (in.): 54

NYTMN (km.): 4530.338 NYTME (km.): 591.843 Building:

DEWATERING

Emission Point: 00006

Height (ft.): 33

Diameter (in.): 53

NYTMN (km.): 4530.34 NYTME (km.): 591.84 Building: SECDG

Emission Point: 00007

Height (ft.): 33

Diameter (in.): 54

NYTMN (km.): 4530.338 NYTME (km.): 591.843 Building:

DEWATERING

Emission Point: 00035

Height (ft.): 55

Diameter (in.): 36

NYTMN (km.): 4530.369 NYTME (km.): 591.843 Building: SCREENGRIT

Item 33.6:

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

Emission Unit: 2-ENGIN

Emission Point: 00033

Height (ft.): 37

Diameter (in.): 20

NYTMN (km.): 4530.369 NYTME (km.): 591.843 Building: BLOWER

Item 33.7:

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

Emission Unit: 2-SDBLR

Emission Point: 00005

Height (ft.): 37

Diameter (in.): 36

NYTMN (km.): 4530.338 NYTME (km.): 591.843 Building:

DEWATERING

Item 33.8:

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

Emission Unit: 3-ENGIN

Emission Point: 00034

Height (ft.): 42

Diameter (in.): 18

NYTMN (km.): 4530.369 NYTME (km.): 591.843 Building: SCRENGRIT

Condition 34: Process Definition By Emission Unit

Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 34.1:

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

Emission Unit: 1-CSOBL

Process: NAG

Source Classification Code: 1-02-006-03

Process Description:

3.4 mmbtu/hr exempt boiler fueled with natural gas.

Emission Source/Control: CSOB1 - Combustion

Design Capacity: 3.4 million Btu per hour

Emission Source/Control: CSOB2 - Combustion

Design Capacity: 3.4 million Btu per hour

Item 34.2:

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

Emission Unit: 1-ENGIN

Process: DSL

Source Classification Code: 2-02-001-07

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Process Description:

Operation 100% on No.2 (diesel) for engine start up and weekly maintenance, not to exceed three hours per engine per week.

Emission Source/Control: ENG02 - Combustion
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: ENG03 - Combustion
Design Capacity: 1,700 horsepower (mechanical)

Item 34.3:

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

Emission Unit: 1-ENGIN

Process: GAS

Source Classification Code: 2-03-007-02

Process Description:

Digester gas will be the primary fuel using approximately 1 gallon per hour No.2 oil for the pilot.

Emission Source/Control: ENG02 - Combustion
Design Capacity: 1,700 horsepower (mechanical)

Emission Source/Control: ENG03 - Combustion
Design Capacity: 1,700 horsepower (mechanical)

Item 34.4:

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

Emission Unit: 1-FLARE

Process: FLR

Source Classification Code: 5-01-004-10

Process Description:

Excess Gas from the Primary and Secondary digesters is combusted in the Waste Gas Burners. The process is used by the three flares (Emission Points 15, 16, 17) located outdoors at the front of the plant and the fourth flare (Emission Point 00032) located atop the Primary Digester Building (PDB).

Emission Source/Control: FLR01 - Combustion
Design Capacity: 24,000 cubic feet per hour

Emission Source/Control: FLR02 - Combustion
Design Capacity: 24,000 cubic feet per hour

Emission Source/Control: FLR03 - Combustion
Design Capacity: 24,000 cubic feet per hour

Emission Source/Control: FLR04 - Combustion
Design Capacity: 88,150 cubic feet per hour

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Item 34.5:

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

Emission Unit: 1-SDBLR
Process: DIG Source Classification Code: 1-03-007-01
Process Description: Combustion of Digester Gas in two Boilers.

Emission Source/Control: SDBR1 - Combustion
Design Capacity: 16.7 horsepower (boiler)

Emission Source/Control: SDBR2 - Combustion
Design Capacity: 16.7 horsepower (boiler)

Item 34.6:

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

Emission Unit: 1-SDBLR
Process: OIL Source Classification Code: 1-02-005-02
Process Description: Combustion of No. 2 Fuel Oil in two boilers.

Emission Source/Control: SDBR1 - Combustion
Design Capacity: 16.7 horsepower (boiler)

Emission Source/Control: SDBR2 - Combustion
Design Capacity: 16.7 horsepower (boiler)

Item 34.7:

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

Emission Unit: 1-YJWTP
Process: AER Source Classification Code: 5-01-007-31
Process Description:

This process, which is located outdoors, comprises the secondary treatment of wastewater in six (6) aeration basins, each consisting of four (4) passes. Process air is added to the aeration basins using fine bubble diffusers. Process air is obtained from the flotation thickener building, which houses thickeners used to increase the solids concentration of waste activated sludge.

Emission Source/Control: AERBS - Process
Design Capacity: 120 million gallons per day

Emission Source/Control: AERIC - Process
Design Capacity: 120 million gallons per day

Emission Source/Control: FLTHK - Process
Design Capacity: 120 million gallons per day

Item 34.8:

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



Emission Unit: 1-YJWTP
Process: AGC Source Classification Code: 5-01-007-15
Process Description:

This process consists of the removal of Grit found in waste water when it passes through three aerated chambers. The chambers are covered. The ventilation air is directed to a mist scrubber odor control system for control of hydrogen sulfide.

Emission Source/Control: AGCBS - Process

Item 34.9:

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

Emission Unit: 1-YJWTP
Process: BAR Source Classification Code: 5-01-007-07
Process Description:

This process comprises the screening of waste water for removal of debris prior to wastewater treatment. Wastewater is diverted into three influent channels. Each channel passes through a bar screen to remove rags and other debris. Air from the building is ventilated through a louvered exhaust.

Emission Source/Control: BAR01 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BAR02 - Control
Control Type: WET SCRUBBER

Emission Source/Control: BAR03 - Control
Control Type: WET SCRUBBER

Emission Source/Control: SCREE - Process
Design Capacity: 120 million gallons per day

Item 34.10:

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

Emission Unit: 1-YJWTP
Process: CHL Source Classification Code: 5-01-007-60
Process Description:

This process comprises the disinfection of the wastewater in the chlorine contact tanks. Wastewater is conveyed to the two (2) inside channels of the North Chlorine Contact Tanks. Sodium Hypochlorite solution is added through diffusers. Effluent is divided between the outside the North Chlorine Contact Tanks for additional chlorination. Effluent is being discharged to the Hudson River via two outfalls. This is an outdoors process.

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Emission Source/Control: NTHCC - Process
Design Capacity: 120 million gallons per day

Emission Source/Control: STHCC - Process
Design Capacity: 120 million gallons per day

Item 34.11:

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

Emission Unit: 1-YJWTP

Process: CSO

Source Classification Code: 5-01-007-92

Process Description:

Process consists of wastewater handling and treatment activities in the South Yonkers Screen house. Wastewater from a 102" and 48" diameter sewer line is combined and conveyed to the South control structure. In the event of an overflow or emergency condition, wastewater can be diverted from the YJWWTP. Prior to discharge, diverted wastewater is directed through a mechanical bar screen to remove large solids, a swirl concentrator to remove floatables, and a chlorine contact for disinfection using sodium hypochlorite. Ventilation air from the building is directed to a mist scrubber system for control of hydrogen sulfide odor

Emission Source/Control: SCR4A - Control
Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: SCR4B - Control
Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: SYSHS - Process

Item 34.12:

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

Emission Unit: 1-YJWTP

Process: DW1

Source Classification Code: 5-01-007-92

Process Description:

Dewatering of municipal sewage sludge (truck loading area, centrate tank and sludge storage hoppers). Ventilation air from these areas is directed to a mist scrubber for control of odor-causing compounds. If the odor control system is not operational, ventilation air is directed to the Primary Thickener and Dewatering building odor control system (EP 00003).

Emission Source/Control: SCR3X - Control
Control Type: CHEMICAL NEUTRALIZATION

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Emission Source/Control: SCR3Y - Control
Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: DEWTR - Process
Design Capacity: 120 million gallons per day

Item 34.13:

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

Emission Unit: 1-YJWTP
Process: FST Source Classification Code: 5-01-007-40
Process Description:
Separation of waste activated sludge in nine (9) settling tanks. Wastewater enters the tanks from the fuel settling tanks influent channel. Process is located outdoors.

Emission Source/Control: FINST - Process
Design Capacity: 120 million gallons per day

Emission Source/Control: FSTIC - Process
Design Capacity: 120 million gallons per day

Item 34.14:

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

Emission Unit: 1-YJWTP
Process: PST Source Classification Code: 5-01-007-20
Process Description:
Process consists of treatment of wastewater in four (4) emergency settling tanks for removal of suspended solids and associated BOD. Wastewater enters the primary tanks from the primary settling tanks influent channel. Effluent from the tanks passes over a weir and is discharged to the primary settling tanks effluent channel. Process is covered and the ventilation air is directed to a mist scrubber odor control system for control of hydrogen sulfide.

Emission Source/Control: SCR5A - Control
Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: SCR5B - Control
Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: SCR5C - Control
Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: PSTEC - Process

Emission Source/Control: PSTIC - Process



Emission Source/Control: PSTKS - Process

Item 34.15:

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

Emission Unit: 1-YJWTP

Process: PTH

Source Classification Code: 5-01-007-71

Process Description:

Sludge is thickened in three (3) primary thickening tanks to increase the sludge solids content. Thickened sludge is pumped to the primary digesters. Ventilation air from the building is directed to a mist scrubber odor control system for control of hydrogen sulfide. Under normal operation, two mist scrubbing units are used. When the dewatering facility odor control system is not operating (EP 00002), ventilation air from the dewatering building is combined with ventilation air from the primary thickener building and directed to the mist scrubbers.

Emission Source/Control: SCR3A - Control

Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: SCR3B - Control

Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: SCR3C - Control

Control Type: CHEMICAL NEUTRALIZATION

Emission Source/Control: PMYTH - Process

Item 34.16:

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

Emission Unit: 1-YJWTP

Process: SSD

Source Classification Code: 5-01-007-81

Process Description: Secondary Sludge Digestion.

Emission Source/Control: CAU01 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CAU02 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CAU03 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CAU04 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CAU05 - Control

Control Type: ACTIVATED CARBON ADSORPTION

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Emission Source/Control: CAU06 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: CAU07 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: SSD01 - Process

Emission Source/Control: SSD02 - Process

Item 34.17:

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

Emission Unit: 1-YJWTP
Process: STK Source Classification Code: 5-01-007-99

Process Description:
Storage of Thickened Primary and Secondary Sludge in two (2) sludge storage tanks. The capacity of each tank is 60,170 cubic feet. Tanks are passively vented using a gooseneck vent located on top of each tank. The vented air is directed to the secondary scrubber.

Emission Source/Control: DEWTR - Process
Design Capacity: 120 million gallons per day

Emission Source/Control: SLTK1 - Process
Design Capacity: 60,170 cubic feet

Emission Source/Control: SLTK2 - Process
Design Capacity: 60,170 cubic feet

Item 34.18:

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

Emission Unit: 2-ENGIN
Process: 2NG Source Classification Code: 2-02-002-02

Process Description:
Burnign of natural gas by the new spark ignition lean burn engine.
Natural gas supply line is scheduled to be installed in the plant in the future.

Emission Source/Control: 2ENGI - Combustion
Design Capacity: 1,600 kilowatts

Item 34.19:

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

Emission Unit: 2-ENGIN
Process: ADG Source Classification Code: 2-03-007-02

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Process Description:

Burning of plant-produced digester gas by the new spark ignition lean burn engine.

Emission Source/Control: 2ENGI - Combustion
Design Capacity: 1,600 kilowatts

Item 34.20:

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

Emission Unit: 2-SDBLR
Process: BL1 Source Classification Code: 1-03-004-03
Process Description: One 8.5 mmBtu/hr boiler operating on No. 2 Oil.

Emission Source/Control: BIOL2 - Combustion
Design Capacity: 8.4 million Btu per hour

Emission Source/Control: BOIL1 - Combustion
Design Capacity: 8.4 million Btu per hour

Item 34.21:

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

Emission Unit: 2-SDBLR
Process: BL2 Source Classification Code: 1-03-004-03
Process Description: One 8.5 mmBtu/hr boiler operated on Digester Gas.

Emission Source/Control: BIOL2 - Combustion
Design Capacity: 8.4 million Btu per hour

Emission Source/Control: BOIL1 - Combustion
Design Capacity: 8.4 million Btu per hour

Item 34.22:

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

Emission Unit: 3-ENGIN
Process: 3OL Source Classification Code: 2-01-001-07
Process Description: Emergency generator burning diesel.

Emission Source/Control: ENG04 - Combustion
Design Capacity: 3,600 horsepower (mechanical)

Condition 35: Emission Unit Permissible Emissions
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 35.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

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shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 1-FLARE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

PTE(s): 18,000 pounds per year

Condition 36: Compliance Certification
Effective between the dates of 04/29/2014 and 04/28/2019

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

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGIN

Regulated Contaminant(s):

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

Item 36.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emissions of Nitrogen Oxides shall not the exceed the below stated limit.

The Plant owner or operator shall operate the engines in accordance with the variance that was granted under consent order # R3-20100806-63 and R3-20110223-40.

The Internal combustion Engine shall be mainly operated on digester gas. The owner or operator shall operate each Internal combustion Engine (ICE) no more than three hours per week on 100% diesel and calculate each ICEs NOx emissions on a 24-hour average.

Immediately shut down the two ICEs and power the YJWWTP blowers from the electric grid if normal operation is not possible and the time of engine operation allowed by the variance of 3 hours per engine per week on 100% diesel for normal operation and weekly maintenance would be exceeded with an exception for any time interval when the electric power grid is down due to loss of purchased power to the YJWWTP. Note that the time, that the engines are run on diesel for start-up testing (in conjunction with initial reprogramming of control systems) and for stack testing or major maintenance activities required once per permit



term, will not be part of the above allotted engine operating time. For the activities described in the last sentence, diesel usage will be evaluated at the time review by NYSDEC of the stack test protocols or other activities takes place. A description of major maintenance activities on the two ICEs (including the estimated diesel usage) will be submitted to NYSDEC for approval prior to implementation of the major maintenance.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.3 grams per brake horsepower-hour

Reference Test Method: EPA Approved Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 37: Compliance Certification

Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 227-2.6

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-ENGIN

Regulated Contaminant(s):

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

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance shall be ascertained via stack testing which shall be performed once per permit term.



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

Item 38.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

The emissions of nitrogen oxides generated from the four flares (emission Unit 1-FLARE) should not exceed the limit stated below. The facility shall monitor monthly digester gas generation and calculate emissions using emission factor derived from stack tests or publish data when stack test data is unavailable.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 18,000 pounds per year

Reference Test Method: N/A

Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 39: Capping Monitoring Condition
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 39.1:

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 227-2.4 (g)

Item 39.2:

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

Item 39.3:

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.

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Item 39.4:

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 39.5:

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 39.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-FLARE

Regulated Contaminant(s):

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

Item 39.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

NOx emissions for the flare can not exceed the limit stated below. The facility shall calculate the hourly rate once every six months. The calculation will be based on digester gas production measurements over a six month period.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 3 pounds per hour

Reference Test Method: EPA Approved Method

Monitoring Frequency: MONTHLY

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT
ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 40:

Compliance Certification

Effective between the dates of 04/29/2014 and 04/28/2019



Applicable Federal Requirement:6 NYCRR 227-2.4 (d)

Item 40.1:

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

Emission Unit: 1-SDBLR

Regulated Contaminant(s):

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

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a small boiler, small combustion turbine, or small internal combustion engine must perform an annual tune-up of their equipment. This tune-up should be performed in accordance with the requirements of the DAR-5 guidance document. Records of each tune-up must be kept on-site for a minimum of five years.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2015.

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

Condition 41: Emissions from Existing Sources
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 41.1:

This Condition applies to Emission Unit: 1-YJWTP Emission Point: 00001

Item 41.2: No person will cause or allow emissions that violate the requirement specified in Table 2, Table 3, or Table 4 of 6NYCRR Part 212 for the environmental rating issued by the commissioner.

Condition 42: Emissions from Existing Sources
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 42.1:

This Condition applies to Emission Unit: 1-YJWTP Emission Point: 00002

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Item 42.2: No person will cause or allow emissions that violate the requirement specified in Table 2, Table 3, or Table 4 of 6NYCRR Part 212 for the environmental rating issued by the commissioner.

Condition 43: Emissions from Existing Sources
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 43.1:

This Condition applies to Emission Unit: 1-YJWTP Emission Point: 00003

Item 43.2: No person will cause or allow emissions that violate the requirement specified in Table 2, Table 3, or Table 4 of 6NYCRR Part 212 for the environmental rating issued by the commissioner.

Condition 44: Emissions from Existing Sources
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 44.1:

This Condition applies to Emission Unit: 1-YJWTP Emission Point: 00006

Item 44.2: No person will cause or allow emissions that violate the requirement specified in Table 2, Table 3, or Table 4 of 6NYCRR Part 212 for the environmental rating issued by the commissioner.

Condition 45: Emissions from Existing Sources
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 45.1:

This Condition applies to Emission Unit: 1-YJWTP Emission Point: 00007

Item 45.2: No person will cause or allow emissions that violate the requirement specified in Table 2, Table 3, or Table 4 of 6NYCRR Part 212 for the environmental rating issued by the commissioner.

Condition 47: Compliance Certification
Effective between the dates of 04/29/2014 and 04/28/2019

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

Item 47.1:

The Compliance Certification activity will be performed for:

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Emission Unit: 2-ENGIN

Regulated Contaminant(s):

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

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to stationary internal combustion engines that have a maximum mechanical output rating equal to or greater than 200 brake horsepower in a severe ozone nonattainment area or 400 brake horsepower outside a severe ozone nonattainment area and are fired by natural gas. The owner or operator is required to submit a compliance testing protocol to the department for approval at least 30 days prior to testing. The owner or operator will maintain all records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.5 grams per brake horsepower-hour

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

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 46: Compliance Certification

Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement:6 NYCRR 227-2.6

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-ENGIN

Regulated Contaminant(s):

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

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance shall be ascertained via stack testing which

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shall be performed once per permit term.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2 grams per brake horsepower-hour

Reference Test Method: EPA Approved Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 48: Compliance Certification

Effective between the dates of 04/29/2014 and 04/28/2019

Applicable Federal Requirement: 6 NYCRR 227-2.4 (f) (2)

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-ENGIN

Emission Point: 00033

Regulated Contaminant(s):

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

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition applies to stationary internal combustion engines that have a maximum mechanical output rating equal to or greater than 200 brake horsepower in a severe ozone nonattainment area or 400 brake horsepower outside a severe ozone nonattainment area and are fired by landfill gas or digester gas (solely or in combination with natural gas). The owner or operator is required to submit a compliance testing protocol to the department for approval at least 30 days prior to testing. The owner or operator will maintain all records on-site for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.0 grams per brake horsepower-hour

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

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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



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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 49: Contaminant List
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable State Requirement:ECL 19-0301

Item 49.1:

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

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Name: OXIDES OF NITROGEN



Condition 50: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable State Requirement:6 NYCRR 201-1.4

Item 50.1:

(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 51: Visible Emissions Limited
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable State Requirement:6 NYCRR 211.2

Item 51.1:

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

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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 52: Asbestos containing surface coatings prohibited
Effective between the dates of 04/29/2014 and 04/28/2019

Applicable State Requirement:6 NYCRR 221.2

Item 52.1:

No person shall engage in or allow surface coating by the spraying of asbestos or asbestos-c



ontaining materials.