



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 2-6102-00005/00017
Effective Date: 04/11/2014 Expiration Date: 04/10/2019

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

Contact: VINCENT SAPIENZA
NYCDEP / BWT
96-05 HORACE HARDING EXPWY - 2ND FL
CORONA, NY 11368
(718) 595-5050

Facility: OWLS HEAD WASTEWATER TREATMENT PLANT
6700 SHORE RD
BROOKLYN, NY 11220

Contact: DIANE HAMMERMAN
NYCDEP / BWT
96-05 HORACE HARDING EXPWY - 2ND FL
CORONA, NY 11368
(718) 595-4965

Description:

The Owls Head Wastewater Treatment Plant (OH WWTP) is a publicly owned secondary wastewater treatment plant capable of providing treatment for 120 million gallons of primarily residential wastewater per day in dry weather.

This wastewater treatment plant currently has the following combustion sources and associated equipment:

- Three (3) 3174 Hp Reciprocating Internal Combustion Engines in Pump & Power House. These engines are currently under engine emissions improvement construction and capable of burning 100% #2 ultra-low sulfur fuel oil and digester gas. After completion of the combustion improvement construction, the three engines will fire mainly digester gas or natural gas, with #2 ultra-low sulfur fuel oil pilots.
- One (1) Weil-McLain 2 mmBtu/hr boilers burning #2 low-sulfur fuel oil in Pump & Power House
- Four (4) Cleaver-Brooks 200 BHP boilers in Pump & Power House
- Two (2) 150BHP White Engine D4800 emergency blackstart generators firing #2 ultra-low sulfur fuel oil for emergency lighting
- Two (2) enclosed waste gas burners to flare excessive sludge digester gas



In June 2011, DEP began construction to improve engine emissions at OH WWTP. The proposed engine emission improvement construction consists of two phases: Phase 1 (Contract OH-85) and Phase 2 (Contract OH-84):

- Phase 1 consists of making repairs to and conducting maintenance on the existing equipment and systems. The natural gas supply will be reintroduced to the dual fuel engine generator fuel system as a supplemental fuel source. This will allow the plant to supplement digester gas with natural gas in place of fuel oil. The use of natural gas in the engines is already permitted in the facility's existing Title V permit. This phase would not change engine emissions as it focuses on reconditioning the fuel supply system for digester gas to existing engines.
- Under Phase 2, two engine subsystems will be introduced to improve NOx emissions in order for the engines to meet the NOx RACT limit under normal operating conditions in the dual fuel mode by burning less diesel fuel oil pilot. The construction of these engine combustion controls includes the following activities:
 - i. Replacement of the engine automation system with a state-of-the-art low emissions operation control;
 - ii. Upgrading the engine combustion system by installing an electronically controlled, high pressure, common rail fuel injection system. This system will allow the engine to operate with significantly less pilot diesel fuel oil at approximate 1% of total fuel input; and
 - iii. Perform routine engine maintenance, including replacement of cylinder liners and other worn engine components.

When any of the plant's existing combustion equipment (including engines, boilers, waste sludge digester gas burners, emergency engine generators and other equipment) or its associated distribution system is not functioning normally or is in need repair, as an operational flexibility, the plant may need to bring in contingent similar equipment through rental contracts or relocation of DEP's equipment from other facilities. Such contingent equipment is not for permanent installation purposes and shall not result in exceeding any established emission limitations. DEP will notify DEC in advance prior to bringing any new equipment onsite; DEP will comply with all other applicable regulations.

The plant has the following wastewater treatment processes and associated equipment. Emissions from these processes depend on the concentrations of pollutants of concern in the plant's influent, over which the plant does not have complete control.

Headworks
Influent channels
Primary settling tanks
Activated sludge aeration tanks
Final settling tanks
Chlorination contact tanks
Sludge thickeners
Sludge digesters
Sludge storage tank
Wiggins sludge digester gas holder



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: JOHN F CRYAN
 NYSDEC
 47-40 21ST ST
 LONG ISLAND CITY, NY 11101-5407

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 2 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 2 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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

Facility: OWLS HEAD WASTEWATER TREATMENT PLANT
6700 SHORE RD
BROOKLYN, NY 11220

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

Permit Effective Date: 04/11/2014

Permit Expiration Date: 04/10/2019



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: Capping Monitoring Condition
- *24 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 25 6 NYCRR 202-1.2: Notification
- 26 6 NYCRR 211.1: Air pollution prohibited
- 27 6 NYCRR 225-1.2 (b): Compliance Certification
- 28 6 NYCRR 225-1.2 (g): Compliance Certification
- 29 6 NYCRR 225-1.2 (h): Compliance Certification
- 30 6 NYCRR 225-1.6 (d): Record Availability
- 31 6 NYCRR 225-1.6 (f): Compliance Certification
- 32 6 NYCRR 227.2 (b) (1): Compliance Certification
- 33 40CFR 63, Subpart JJJJJ: Applicability
- 34 40CFR 63.1586, Subpart VVV: Existing Non-Industrial POTW Treatment Plants
- 35 40CFR 63, Subpart ZZZZ: Applicability

Emission Unit Level

- 36 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 37 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 38 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions

EU=1-COMBU

- 39 6 NYCRR Subpart 201-6: Compliance Certification



- *40 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *41 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *42 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 43 6 NYCRR 227-1.3: Compliance Certification
- 44 6 NYCRR 227-1.3 (a): Compliance Certification

EU=1-COMBU,Proc=DIE

- 45 6 NYCRR 227-2.5 (c): Compliance Certification

EU=1-COMBU,Proc=DUA

- 46 6 NYCRR 227-2.4 (f) (3): Compliance Certification
- 47 6 NYCRR 227-2.5 (c): Compliance Certification

EU=1-COMBU,Proc=FLA

- 48 6 NYCRR Part 212: Compliance Certification

EU=1-COMBU,EP=FLAR1,Proc=FLA,ES=WDGB1

- 49 6 NYCRR 212.6 (a): Compliance Certification

EU=1-COMBU,EP=FLAR2,Proc=FLA,ES=WDGB2

- 50 6 NYCRR 212.6 (a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 51 ECL 19-0301: Contaminant List
- 52 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 53 6 NYCRR 211.2: Visible Emissions Limited

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 the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 2: Fees
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 04/11/2014 and 04/10/2019

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



Item 3.1:

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

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

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

**Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 04/11/2014 and 04/10/2019**

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

Item 4.1:

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

**Condition 5: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019**

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill



Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT 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 6: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

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.
- 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:

Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
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 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR 202-2.1

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

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



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 04/11/2014 and 04/10/2019

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 04/11/2014 and 04/10/2019

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 04/11/2014 and 04/10/2019**

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 emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Condition 11: Recycling and Salvage
Effective between the dates of 04/11/2014 and 04/10/2019**

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:



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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 14.1:

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

Condition 15: Requirement to Provide Information

Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 15.1:

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



Condition 16: Right to Inspect
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 16.1:

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

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

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

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

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

Condition 17: Off Permit Changes
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 17.1:

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

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

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

Condition 18: Required Emissions Tests



Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

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

Condition 19: Accidental release provisions.

Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

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

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

Condition 20: Recycling and Emissions Reduction

Effective between the dates of 04/11/2014 and 04/10/2019

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 04/11/2014 and 04/10/2019

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-COMBU

Emission Unit Description:

This emission unit consists of the plant's combustion equipment processes.

The plant has three (3) Delaval enterprise's DGSR-48 dual fuel engines originally installed in 1988. These engines are each rated 3174 bhp and drive three 2250 kw generators. Each engine exhausts through two stacks.

Under normal operations one engine fires digester gas with diesel pilot dual fuel at 2000 KW with 2821 bhp. Natural gas may also be used once available in the future. The engines are currently permitted to operate on diesel fuel, digester gas and natural gas. The engines are currently undergoing emission improvement construction. The construction will restore the natural gas system allowing the plant to supplement digester gas with natural gas, rather than with diesel oil as is the current practice.

Exhaust from each of these three engines (ENG01, ENG02, and ENG03) pass through a waste heat recovery boiler and then vented to atmosphere through their own pair of exhaust stacks (ENG1A AND ENG1B, ENG2A, ENG2B, ENG3A AND ENG3B) respectively The engines may be operated in such a manner as to allow the plant to participate in New York State electrical demand reduction program.

The plant's two (2) waste gas burners (flares) burn the excess sludge digester gas. At times that the sludge digester gas produced at the plant is more than the demand of the plant's engines and boilers, the excess sludge digester gas will be burned at the two waste gas burners.

In June 2011, DEP began construction to improve engine emissions at OH WWTP. The proposed engine emission improvement construction consists of two phases: Phase 1 (Contract OH-85) and Phase 2 (Contract OH-84):

Phase 1 consists of making repairs to and conducting maintenance on the existing equipment and systems. The natural gas supply will be reintroduced to the dual fuel engine generator fuel system as a supplemental fuel source. This will allow the plant to supplement digester gas with natural gas in place of fuel oil. The use of natural gas in the engines is already permitted in the



facility's existing Title V permit. This phase would not change engine emissions as it focuses on reconditioning the fuel supply system for digester gas to existing engines.

Under Phase 2, two engine subsystems will be introduced to improve NOx emissions in order for the engines to meet the NOx RACT limit under normal operating conditions in the dual fuel mode by burning less diesel fuel oil pilot. The construction of these engine combustion controls includes the following activities:

- i. Replacement of the engine automation system with a state-of-the-art low emissions operation control;
- ii. Upgrading the engine combustion system by installing an electronically controlled, high pressure, common rail fuel injection system. This system will allow the engine to operate with significantly less pilot diesel fuel oil at approximate 1% of total fuel input; and
- iii. Performing routine engine maintenance, including replacement of Cylinder liners and other worn engine components.

After completion of the engine improvement construction, three (3) Delaval Enterprise's DGSR-48 dual fuel engines each rated 3174 bhp will drive three 2250 kw generators without drawing any power from the utility grid under normal operating conditions while utilizing all of the available digester gas generated from the facility. In addition, the improvement will allow the engines to meet NOx RACT limits for dual fuel engines and no longer require an alternative source-specific limit, under 6 NYCRR Part 227-2.5.

Building(s): MAIN
SLUDGE

Item 21.2:

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

Emission Unit: 2-WWTRE

Emission Unit Description:

This emission unit consists of the plant's waste water treatment, sludge and residual handling processes. These processes include head works, primary settling tank, aeration, final settling, and chlorine contact. Except for the head works the other processes are all outdoors and in large tanks. One passive activated carbon system is connected to the headwork ventilation duct for H2S control. Emissions from these processes depend on the concentrations of pollutants of concern in the plant's influent over which the plant does not have complete



control. Emissions are based on currently available data.

Two 2,000 CFM carbon vessels are used to treat the air from the primary settling tanks as an odor control measure.

This emission unit also consists of the plant's sludge handling processes. These processes include gravity thickening, sludge digestion, sludge storage tanks and sludge digester gas holding tank. Two activated carbon adsorber systems (SGTC1 and SGTC2) are installed at WWTP; each consists of four vessels installed at the gravity thickening process for control of H₂S odor from June through October. A total of twenty (20) passive carbon canisters are installed at sludge digester tanks and storage tank for H₂S odor control purpose.

This emission unit also consists of the plant's grit and scum residual handling and removal processes within the grit and scum building. An activated carbon adsorption vessel is installed to provide to the building ventilation air for H₂S odor control from June through October. The grit and scum building is undergoing a construction to expand the building and add an additional carbon adsorption unit with an exhaust stack installed at the building.

Building(s): MAIN
PRIMARY
SLUDGE

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 04/11/2014 and 04/10/2019

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, and any preventive or corrective measures adopted.

Condition 23: Capping Monitoring Condition
Effective between the dates of 04/11/2014 and 04/10/2019



Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 23.1:

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:

40 CFR 52.21

Item 23.2:

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

Item 23.3:

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 23.4:

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 23.5:

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 23.6:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 23.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility wide total annual CO emissions are limited to 225 tpy for any consecutive 12 month period.

Owls Head WPCP has submitted emissions data to the NYSDEC showing that actual annual emissions for the past 10 years (1998-2007) never exceeded the PSD major source of 250 tpy



(actual annual emissions were not higher than 119 tons/year of CO). Based on this information, the facility has requested the NYSDEC to include permit limits to make the facility a minor PSD source (less than 250 tons/year). The NYSDEC is granting this request with the understanding that for the next 5 years Owls Head WPCP shall propose no modification at the facility that will once again make it a PSD major stationary source.

In the event that a proposed modification at the facility within the next 5 years would make the facility a PSD major stationary source again, the facility at that time, for purposes of PSD applicability, will be treated as if it is a PSD major stationary source before applying the increase from the proposed change.

Compliance with the 225 tpy CO emission cap is to be determined as follows:

$$\text{ENG}(0.689) + \text{END}(0.197) + \text{BD}(0.0357) + \text{BDG}(0.0095) + \text{BNG}(0.08) + \text{EEG}(0.729) + \text{F}(1.25) < 450,000 \text{ Lb}$$

where

ENG - Total engine dual operation heat input, mmbtu/yr

END - Total engine diesel fuel operation heat input, mmbtu/yr

BD- Total boiler diesel fuel operation heat input, mmbtu/yr

BDG- Total boiler digester gas fuel operation heat input, mmbtu/yr

BNG- Total boiler natural gas fuel operation heat input, mmbtu/yr

EEG - Total emergency engine generator diesel heat input, mmbtu/yr

F- Total sludge digester gas flare heat input, mmbtu/yr.

The facility shall maintain all information necessary to calculate emission and make this information available upon request by the Department or general public.

Monitoring Frequency: 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 24: Capping Monitoring Condition
Effective between the dates of 04/11/2014 and 04/10/2019



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:

40 CFR 52.21

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 201 and of the Act.

Item 24.6:

The Compliance Certification activity will be performed for the Facility.

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: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Facility wide total annual NOx emissions are limited to 225 tpy for any consecutive 12 month period.

Owls Head WPCP has submitted emissions data to the NYSDEC showing that actual annual emissions for the past 10 years



(1998-2007) have been at levels less than the PSD major source status of 250 tons/year (actual annual emissions were not higher than 188 tons/year of NO_x, the pollutant closest to the 250 tons/year PSD major source threshold). Based on this information, the facility has requested the NYSDEC to include permit limits to make the facility a PSD minor source (less than 250 tons/year). The NYSDEC is granting this request with the understanding that for the next 5 years Owls Head WPCP shall propose no modification at the facility that will once again make it a PSD major stationary source.

In the event that a proposed modification at the facility within the next 5 years would make the facility a PSD major stationary source again, the facility at that time, for purposes of PSD applicability, will be treated as if it is a PSD major stationary source before applying the increase from the proposed change.

Compliance with the 225 tpy NO_x emission cap is to be determined as follows:

$$\text{ENG}(1.21) + \text{END}(2.83) + \text{BD}(0.143) + \text{BDG}(0.055) + \text{BNG}(0.0952) + \text{EEG}(3.35) + \text{F}(0.067) < 450,000 \text{ pounds}$$

where

ENG - Total engine dual operation heat input, mmbtu/yr

END - Total engine diesel fuel operation heat input, mmbtu/yr

BD- Total boiler diesel fuel operation heat input, mmbtu/yr

BDG- Total boiler digester gas fuel operation heat input, mmbtu/yr

BNG- Total boiler natural gas fuel operation heat input, mmbtu/yr

EEG - Total emergency engine generator diesel heat input mmbtu/yr

F- Total sludge digester gas flare heat input, mmbtu/yr.

The facility shall maintain all information necessary to calculate emission and make this information available upon request by the Department or general public.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

Condition 25: Notification
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR 202-1.2

Item 25.1:

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

Condition 26: Air pollution prohibited
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR 211.1

Item 26.1:

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

Condition 27: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: 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: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.2 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 04/11/2014 and 04/10/2019

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

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: 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 29: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

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

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: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. 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 30: Record Availability
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 30.1: Facility owners required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the Department.



Condition 31: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-COMBU	Emission Point: ENG1A
Process: DIE	Emission Source: ENG01

Emission Unit: 1-COMBU	Emission Point: ENG1B
Process: DIE	Emission Source: ENG01

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



Emission Unit: 1-COMBU Emission Point: ENG2A
Process: DIE Emission Source: ENG02

Emission Unit: 1-COMBU Emission Point: ENG2B
Process: DIE Emission Source: ENG02

Emission Unit: 1-COMBU Emission Point: ENG3A
Process: DIE Emission Source: ENG03

Emission Unit: 1-COMBU Emission Point: ENG3B
Process: DIE Emission Source: ENG03

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.
- 4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 33: Applicability
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 33.1:

Facilities that are area sources of HAP with industrial, commercial, or institutional boilers must comply with applicable portions of 40 CFR 63 JJJJJJ.

Condition 34: Existing Non-Industrial POTW Treatment Plants
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:40CFR 63.1586, Subpart VVV

Item 34.1:

40CFR63 Subpart VVV imposes no control requirements for existing non-industrial POTW treatment plants.

Condition 35: Applicability
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:40CFR 63, Subpart ZZZZ

Item 35.1:

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

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

Condition 36: Emission Point Definition By Emission Unit
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 36.1:

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

Emission Unit: 1-COMBU

Emission Point: ENG1A
Height (ft.): 50 Diameter (in.): 20
NYTMN (km.): 4499.623 NYTME (km.): 581.733 Building: MAIN

Emission Point: ENG1B
Height (ft.): 50 Diameter (in.): 20
NYTMN (km.): 4499.623 NYTME (km.): 581.733 Building: MAIN

Emission Point: ENG2A

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



Height (ft.): 50	Diameter (in.): 20	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: MAIN
Emission Point: ENG2B		
Height (ft.): 50	Diameter (in.): 20	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: MAIN
Emission Point: ENG3A		
Height (ft.): 50	Diameter (in.): 20	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: MAIN
Emission Point: ENG3B		
Height (ft.): 50	Diameter (in.): 20	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: MAIN
Emission Point: FLAR1		
Height (ft.): 36	Diameter (in.): 29	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: SLUDGE
Emission Point: FLAR2		
Height (ft.): 36	Diameter (in.): 29	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: SLUDGE

Item 36.2:

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

Emission Unit: 2-WWTRE		
Emission Point: GSBS1		
Height (ft.): 22	Length (in.): 36	Width (in.): 24
NYTMN (km.): 4499.623	NYTME (km.): 581.733	
Emission Point: GSBS2		
Height (ft.): 24	Diameter (in.): 24	
NYTMN (km.): 4499.535	NYTME (km.): 581.683	
Emission Point: SGTS1		
Height (ft.): 34	Diameter (in.): 66	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: SLUDGE
Emission Point: SGTS2		
Height (ft.): 34	Diameter (in.): 66	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: SLUDGE
Emission Point: WWELL		
Height (ft.): 34	Diameter (in.): 10	
NYTMN (km.): 4499.623	NYTME (km.): 581.733	Building: MAIN

Condition 37: Process Definition By Emission Unit
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6



Item 37.1:

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

Emission Unit: 1-COMBU

Process: DIE

Source Classification Code: 2-02-004-01

Process Description:

This process is a supplemental operation mode to the process DUA. When the engines can't be operated on dual fuel mode, these engines will fire 100% diesel. At all times, at least one engine is kept off-line for standby purposes. The annual total thrupt is determined for two engines in operation. These engines drive three 2250 kw generators which provide power to sewage pumps and process air blowers. The engines may be operated in such a manner as to allow the plant to participate in New York state electrical demand reduction program. Exhaust from each of these three engines (ENG01, ENG02, and ENG03) pass through a waste heat recovery boiler and then vented to atmosphere through their own pair of exhaust stacks (ENG1A AND ENG1B, ENG2A AND ENG2B, ENG3A AND ENG3B) respectively.

Emission Source/Control: ENG01 - Combustion
Design Capacity: 3,174 horsepower (mechanical)

Emission Source/Control: ENG02 - Combustion
Design Capacity: 3,174 horsepower (mechanical)

Emission Source/Control: ENG03 - Combustion
Design Capacity: 3,174 horsepower (mechanical)

Item 37.2:

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

Emission Unit: 1-COMBU

Process: DUA

Source Classification Code: 2-02-004-02

Process Description:

This process is the engines' primary operation mode. Under this process, the engines fire dual fuel (sludge digester gas with diesel oil as pilot fuel). Natural gas may also be used once available in future. At all times, at the least one engine is kept off line for standby purposes. The annual total thrupt is determined for two engines in operation.

These engines drive three 2250 kw generators which provide power to sewage pumps and process air blowers. The engines may be operated in such a manner as to allow the plant to participate in New York State electrical demand reduction program.



Exhaust from each of these three engines (ENG01, ENG02, and ENG03) pass through a waste heat recovery boiler and then vented to atmosphere through their own pair of exhaust stacks (ENG1A AND ENG1B, ENG2A AND ENG2B, ENG3A AND ENG3B) respectively

Under the engine control improvements, the three engine automation sub-systems will be upgraded with the latest version of the “hyper-logic” dual fuel engine automation system, as offered by Hoerbiger Engineering Services or an approved equal design according to specifications developed during preparation of bid documents (design phase). The control improvement work will consist of all removals, installation, design engineering, programming, factory testing, field-testing, and installation as necessary to place into operation a complete state-of-the-art engine automation and fueling system that provides for engine operation with a reduced amount of diesel pilot fuel. The automation system will be fully integrated with and equipped for control of the new electronic fuel injection system and gas controls systems. The control improvements will increase engine fuel efficiency and reduce diesel fuel usage.

Emission Source/Control: ENG01 - Combustion
Design Capacity: 3,174 horsepower (mechanical)

Emission Source/Control: ENG02 - Combustion
Design Capacity: 3,174 horsepower (mechanical)

Emission Source/Control: ENG03 - Combustion
Design Capacity: 3,174 horsepower (mechanical)

Item 37.3:

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

Emission Unit: 1-COMBU
Process: FLA Source Classification Code: 5-01-007-89
Process Description:

This process is the plant's two waste sludge digester gas burners. At times the sludge digester gas produced at the plant is more than the demand of the plant's engines and boilers. The excessive sludge digester gas will be burned at either of the two waste digester gas burners (WGBR1 and WGBR2) and exhausted through their own stacks (FLAR1 and FLAR2).

Emission Source/Control: WDGB1 - Combustion
Design Capacity: 347 cubic feet per minute

Emission Source/Control: WDGB2 - Combustion
Design Capacity: 347 cubic feet per minute



Item 37.4:

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

Emission Unit: 2-WWTRE

Process: ART

Source Classification Code: 5-01-007-31

Process Description:

This is the plant's wastewater diffused air activated sludge aeration (ART) secondary treatment process. This process includes four diffused air activated sludge aeration tanks (AERTK). In this process, the effluent from the primary settling treatment section is mixed with activated sludge solids and air. These aeration tanks provide the detention time required for the activated sludge to absorb the organic matter in the wastewater. Compressed air is discharged through the tanks to provide mixing and an aerobic environment. After a set mixing period, the mixture flows to the final settling tanks, where the solids are flocculated, settled and collected. Each of these aeration tanks has four "passes". The total thruput is based on dry weather flow.

Emission Source/Control: AERTK - Process

Design Capacity: 120,000,000 gallons per day

Item 37.5:

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

Emission Unit: 2-WWTRE

Process: CCT

Source Classification Code: 5-01-007-60

Process Description:

This is the plant's chlorine contact (CCT) disinfection process. This process includes two chlorine contact tanks. The wastewater from the final settling tanks flows to the chlorine contact tanks where sodium hypochlorite is added into the wastewater to destroy and kill the harmful disease-causing organisms and thereby to protect the receiving waters. The total thruput is based on dry weather flow.

Emission Source/Control: CHLTK - Process

Design Capacity: 120,000,000 gallons per day

Item 37.6:

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

Emission Unit: 2-WWTRE

Process: FST

Source Classification Code: 5-01-007-40

Process Description:

This is the plant's final settling (FS) process. This process includes sixteen final settling tanks. The purpose of this final settling process is two fold; settle

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



out microorganisms and activated sludge solid waste generated during the aeration process to produce a clarified effluent, and to collect the settled activated sludge for conveyance back to the aeration tanks. The total thruput is based on dry weather flow.

Emission Source/Control: FINTK - Process

Design Capacity: 120,000,000 gallons per day

Item 37.7:

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

Emission Unit: 2-WWTRE

Process: GHT

Source Classification Code: 5-01-007-99

Process Description:

This process is the plant's sludge digester gas holding tank (GHT) operation consisting of one (1) sludge digester gas holding tank (GASTK). Digester gas produced in the sludge anaerobic digester tanks will be stored in these tanks for later use at combustion units.

Emission Source/Control: GASTK - Process

Design Capacity: 10,000 cubic feet

Item 37.8:

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

Emission Unit: 2-WWTRE

Process: GSB

Source Classification Code: 5-01-007-99

Process Description:

This is the plant's grit and scum handling process (GSB) which consists of the grit and scum handling process in the residual and scum building (GSBL). An activated carbon adsorption unit (GSBC1), which exhausts through its own stack (GSBS1), is installed at the building for H₂S odor control purpose. The grit scum building is undergoing construction to be expanded and an additional carbon adsorption unit (GSBC2) with exhaust stack (GSBS2) is to be installed at the building.

Emission Source/Control: GSBC1 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: GSBC2 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: GSBLD - Process

Item 37.9:

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

Emission Unit: 2-WWTRE



Process: PHW Source Classification Code: 5-01-007-07
Process Description:

This process is the plant's pretreatment head works (PHW) process including four bar screening chambers (SCREEN) and influent wet well (WWELL). The bar screens consist of upright bars spaced one to three inches apart. The primary purpose of the bar screening is to remove large pieces of trash (rags, sticks, newspapers, cans, etc) for the protection of the main sewage pumps and other equipment.

A passive activated carbon adsorption unit (WWLOC) is connected to the influent wet well ventilation duct and the total thruput is based on dry weather flow.

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

Emission Source/Control: SCREN - Process
Design Capacity: 120,000,000 gallons per day

Emission Source/Control: WWELL - Process
Design Capacity: 120,000,000 gallons per day

Item 37.10:

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

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

This process is the plant's wastewater primary settling (PST) process. This process includes four primary settling tanks. Primary settling operation is a process in which the solid particles carried in raw sewage are removed by gravity under quiescent conditions in the primary settling tanks. In addition, the primary settling tanks are used to separate and remove floating materials and scum. Solids and grit collected in the tanks are removed as a thin sludge by continuous pumping to cyclone digritters. Each primary settling tank is equipped with sludge collectors, dipping weirs, scum removal equipment, inlet sluice gates overflow weirs. The total thruput is based on dry weather flow.

Two (2) 2,000 CFM carbon vessels, were installed to treat the air from the primary settling tank as an odor control measure.

Emission Source/Control: NPTC1 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: NPTC2 - Control



Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: PRITK - Process
Design Capacity: 120,000,000 gallons per day

Item 37.11:

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

Emission Unit: 2-WWTRE
Process: SAD Source Classification Code: 5-01-007-81
Process Description:

This process is the plant's sludge anaerobic digesters (SAD) operation consisting of six cone sludge digester tanks (SADTK). After sludge gravity thickening, making it safer for the environment, the sludge is placed in oxygen-free tanks called digesters. Digesters are heated to at least 95% for between 15-20 days stimulating the growth of anaerobic bacteria which consume organic material in the sludge. In the digesters, sludge is converted into water, carbon dioxide and methane gas. The methane gas is often used as an energy source to operate boilers. Relief valve from each of these digester tanks splits into two 50-gallon canisters filled with activated carbon for H₂S odor control.

Emission Source/Control: SADTK - Process
Design Capacity: 66,978 cubic feet

Item 37.12:

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

Emission Unit: 2-WWTRE
Process: SGT Source Classification Code: 5-01-007-71
Process Description:

This process is the plant's sludge gravity thickening (SGT) operation consisting of four (4) sludge gravity thickener tanks (SGTTK). The primary and final settling tanks' sludge (approximately 99% water) is concentrated in these gravity thickening tanks. The water is sent back to the head of the plant or aeration tanks for additional treatment. Odor emissions from this equipment and ventilation are ducted to two odor control systems (SGTC1 and SGTC2) each with four carbon vessels located in the sludge complex and exhausted through their own stacks (SGTS1 and SGTS2).

Emission Source/Control: SGTC1 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: SGTC2 - Control
Control Type: ACTIVATED CARBON ADSORPTION

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



Emission Source/Control: SGTTK - Process
Design Capacity: 10,500 cubic feet

Item 37.13:

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

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

This process is the sludge storage tanks (SST) process consisting of two sludge storage tanks (DSSTK). Excessive sludge will be stored in these storage tanks. Exhaust from each of these tanks splits into two activated carbon adsorption systems; each has two 50-gallon canisters (a total of 8 canisters) filled with activated carbon for H₂S odor control.

Emission Source/Control: DSSTK - Process
Design Capacity: 135,550 cubic feet

Condition 38: Emission Unit Permissible Emissions
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 38.1:

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

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

Emission Unit: 1-COMBU

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 354,600 pounds per year

Condition 39: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall follow manufactures

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



Emission Unit: 1-COMBU

Regulated Contaminant(s):

CAS No: 0NY075-02-5 PM 2.5

Item 40.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

This condition becomes effective upon completion of proposed engine control improvements.

Annual PM 2.5 emissions from this Emission Unit 1-COMBU is limited to 6.1 tons per year. The total actual PM2.5 emissions shall be determined by using fuel consumption at each source listed in this emission unit and approved emission factors or most recent stack test emission data. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: PM 2.5

Upper Permit Limit: 6.1 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 41: Capping Monitoring Condition

Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 41.1:

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 41.2:

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

Item 41.3:

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.

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



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 41.4:

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 41.5:

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 41.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 41.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

This condition becomes effective upon completion of proposed engine control improvements.

Annual VOC emissions from this Emission Unit 1-COMBU is limited to 17.1 tons per year. The total actual VOC emissions shall be determined by using fuel consumption at each source listed in this emission unit and approved emission factors or most recent stack test emission data. All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: VOC

Upper Permit Limit: 17.1 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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



Condition 42: Capping Monitoring Condition
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 42.1:

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 42.2:

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

Item 42.3:

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 42.4:

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 42.5:

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 42.6:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Regulated Contaminant(s):

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

Item 42.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:



This condition becomes effective upon completion of proposed engine control improvements.

Annual NO_x emissions from this Emission Unit 1-COMBU is limited to 177.3 tons per year. The actual NO_x emissions shall be determined by using fuel consumption of each source listed in this emission unit and approved emission factor (most recent stack test emission data for engines and approved emission factors for other sources). All records shall be kept at the facility for a minimum of five years.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 177.3 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 43: Compliance Certification

Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operators of oil-fired internal combustion engines 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 internal combustion engine 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:



- weather condition
- was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

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 44: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 44.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU

Item 44.2:
Compliance Certification shall include the following monitoring:



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

Monitoring Description:

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2014.

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

Condition 45: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU
Process: DIE

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This condition is effective till the completion of proposed engine control improvements:

As per NYC DEP's variance request for NO_x RACT limit in their compliance plan dated June 29, 2004, NO_x emissions verified during the stack test on 10/3/2005 shall be set forth as the alternative emission permit limit for each engine.

Alternative emission limit for three engines, ENG01, ENG02 and ENG03 when burning 100% diesel must not be greater than 6.05 grams/bhp-hr.

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



Stack testing once during the permit is required to demonstrate compliance with the permit limit. Stack test protocol must be submitted to the Department for approval prior to testing.

Upper Permit Limit: 6.05 grams per brake horsepower-hour
Reference Test Method: 40 CFR
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 04/11/2014 and 04/10/2019

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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU
Process: DUA

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:

This condition applies to engines, ENG01, ENG02, ENG03 after the completion of engine control improvements.

Engine NOx emissions in this process(gas with a combination of diesel oil) shall be limited to 2.3 grams per brake horsepower-hour.

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.

Upper Permit Limit: 2.3 grams per brake horsepower-hour
Reference Test Method: EPA AP 42
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



Reports due 30 days after the reporting period.
The initial report is due 7/30/2014.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

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

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU
Process: DUA

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 is effective till the completion of proposed engine control improvements.

As per NYC DEP's variance request for NO_x RACT limit in their compliance plan dated June 29, 2004, until NYCDEP finds a feasible control technology or an alternate option to meet the NO_x RACT limit for their engines, the NO_x emissions verified during the most recent stack test on 10/3/2005 shall be set forth as the alternative emission permit limit for each engine.

Alternative emission limit for three engines, ENG01, ENG02 and ENG03 when burning dual fuel (95% Digester Gas/5% Diesel Oil) must not be greater than 3.16 grams/bhp-hr.

Stack testing once during the permit is required to demonstrate compliance with the permit limit. Stack test protocol must be send to Department for approval prior to testing.

Upper Permit Limit: 3.16 grams per brake horsepower-hour
Reference Test Method: 40 CFR
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.

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



required. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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 50: Compliance Certification
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable Federal Requirement: 6 NYCRR 212.6 (a)

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-COMBU	Emission Point: FLAR2
Process: FLA	Emission Source: WDGB2

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions when the process is in operation. If any visible emissions are identified, corrective action is required. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

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).





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 51: Contaminant List
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable State Requirement:ECL 19-0301

Item 51.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0
Name: CARBON MONOXIDE



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

CAS No: 0NY075-02-5
Name: PM 2.5

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

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

Condition 52: Malfunctions and start-up/shutdown activities
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable State Requirement:6 NYCRR 201-1.4

Item 52.1:

- (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

New York State Department of Environmental Conservation

Permit ID: 2-6102-00005/00017

Facility DEC ID: 2610200005



listed above must be adhered to in such circumstances.

Condition 53: Visible Emissions Limited
Effective between the dates of 04/11/2014 and 04/10/2019

Applicable State Requirement:6 NYCRR 211.2

Item 53.1:

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

