

**New York State Department of Environmental Conservation
Facility DEC ID: 9140200154**



**PERMIT
Under the Environmental Conservation Law (ECL)**

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-1402-00154/00007
Effective Date: 01/24/2007 Expiration Date: 01/23/2012

Permit Issued To: BUFFALO SEWER AUTHORITY
1038 CITY HALL
BUFFALO, NY 14202-3310

Facility: BIRD ISLAND STP
90 WEST FERRY ST
BUFFALO, NY 14213-7999

Contact: JANE ORK
BUFFALO SEWER AUTHORITY
90 W FERRY ST
BUFFALO, NY 14213-7999
(716) 883-1820

Description:

This permit is a title V renewal. The permit is essentially the same with some minor changes to monitoring descriptions. The Permit also addresses the requirements for Compliance Assurance Monitoring per 40 cfr part 64. Additional flow measurements to the sieve trays and scrubbers are required to insure proper operation of the control equipment. Also a stack test once per permit term , within the first year of the permit , is required for particulate to demonstrate compliance with New Source Performance Standards, NSPS, subpart O and to verify the monitoring parameters established in this permit.

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: DOUGLAS E BORSCHEL
270 MICHIGAN AVE
BUFFALO, NY 14203-2999

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 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 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
Applications for Permit Renewals and Modifications
Permit modifications, suspensions or revocations by the Department
Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 9
HEADQUARTERS
Submission of application for permit modification or renewal-REGION 9
HEADQUARTERS
Total Hydrocarbon Continuous Emission Monitor Requirement
Operating Combustion Temperature
Frequency of monitoring arsenic, cadmium, chromium, lead, and nickel in
sewage sludge.
Reporting and Recordkeeping Requirements



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: 6NYCRR 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:



New York State Department of Environmental Conservation
Facility DEC ID: 9140200154

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: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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 4.2:

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 4.3:

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 5: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 5.1:

The Department reserves the right 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.

Condition 6: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 6.1:

The Department reserves the right 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;

New York State Department of Environmental Conservation
Facility DEC ID: 9140200154



- 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 7: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 7.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165

Condition 8: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 8.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165

Condition 9: Total Hydrocarbon Continuous Emission Monitor Requirement
Applicable State Requirement: 40CFR 503-E.44

Item 9.1:

Total Hydrocarbons in the exit gas from a sewage sludge incinerator stack must be continuously measured and recorded using a flame ionization detection instrument referenced to propane unless a Carbon Monoxide monitor is used per the requirements of 40cfr 503.40(c). The instrument shall be installed, calibrated, operated, and maintained per manufacturers specifications; shall have a heated sampling line maintained at a temperature of 150 degrees Celsius or higher at all times; and shall be calibrated at least once every 24-hour operating period using propane.



New York State Department of Environmental Conservation
Facility DEC ID: 9140200154

An instrument that continuously measures and records the oxygen concentration in the sewage sludge incinerator stack exit gas shall be installed calibrated, operated, and maintained per manufacturers specifications.

An instrument that continuously measures and records information used to determine the moisture content in the sewage sludge incinerator stack exit gas shall be installed calibrated, operated, and maintained per manufacturers specifications.

An instrument that continuously measures and records combustion temperatures shall be installed, calibrated, operated, and maintained per manufacturers specifications.

The monthly average concentration for total hydrocarbons in the exit gas from a sewage sludge incinerator stack, corrected for zero percent moisture using the correction factor from equation (7) and to seven percent oxygen using the correction factor from equation (8), shall not exceed 100 parts per million on a volumetric basis when measured using the instrument required by section 503.45(a). (Equations 7 and 8 are in section 503.45. Any deviations shall be reported annually.

Condition 10: Operating Combustion Temperature
Applicable State Requirement: 40CFR 503-E.45

Item 10.1:

Operation of a sewage sludge incinerator shall not cause the operating combustion temperature for the sewage sludge incinerator to exceed the performance test combustion temperature by more than 20 percent. An instrument that continuously measures and records combustion temperatures shall be installed, calibrated, operated, and maintained for a sewage sludge incinerator. Any deviations to this condition shall be reported annually.

Condition 11: Frequency of monitoring arsenic, cadmium, chromium, lead, and nickel in sewage sludge.
Applicable State Requirement: 40CFR 503-E.46

Item 11.1:

Frequency of monitoring for arsenic, cadmium, chromium, lead, and nickel in sewage sludge fed to a sewage sludge incinerator shall be the frequency in table 1 of 40 CFR 503.46. Equal or greater than 1,500 metric tons per 365 day period, (dry weight basis) but less than 15,000, sample sludge once per 60 days (six times per year). Reports summarizing results due by February 19 of each year.

After the sewage sludge has been monitored for two years at the specified frequency, the permitting authority may reduce the frequency of monitoring arsenic, cadmium, chromium, lead, and nickel.

Condition 12: Reporting and Recordkeeping Requirements
Applicable State Requirement: 40CFR 503-E.48

Item 12.1:

Record-keeping

The person who fires sewage sludge in an incinerator shall develop the following information and shall

New York State Department of Environmental Conservation
Facility DEC ID: 9140200154



retain this information for five years.

- 1) The concentration of lead, arsenic, cadmium, chromium, and nickel in the sewage sludge fed to the incinerator.
- 2) The total hydrocarbons concentrations in the exit gas from the sewage sludge incinerator.
- 3) Information that indicates the requirements in the National Emission Standard for beryllium in subpart C of 40 cfr part 61 are met.
- 4) Information that indicates the requirements in the National Emission Standards for mercury in subpart E of 40 cfr part 61 are met.
- 5) The operating combustion temperatures for the sewage sludge incinerator.
- 6) Values for the air pollution control device operating parameters.
- 7) The oxygen concentration and information used to measure moisture content in the exit gas from the sewage sludge incinerator stack.
- 8) The sewage sludge feed rate.
- 9) The stack height for the sewage sludge incinerator.
- 10) The dispersion factor for the site where the sewage sludge incinerator is located.
- 11) The control efficiency for lead, arsenic, cadmium, chromium, and nickel for each sewage sludge incinerator.
- 12) The risk specific concentration for chromium calculated using equation(6), if applicable.
- 13) A calibration and maintenance log for the instruments used to measure the total hydrocarbons concentration and oxygen concentration in the exit gas from the sewage sludge incinerator stack, the information needed to determine moisture content in in the exit gas , and the combustion temperatures.

Reporting.

Class 1 sludge management facilities, POTWs (as defined in 40 cfr 501.2) with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve a population of 10,000 people of greater shall submit the information to the USEPA region 2 office and the Regional NYSDEC office by February 19 of each year.



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: BUFFALO SEWER AUTHORITY
1038 CITY HALL
BUFFALO, NY 14202-3310

Facility: BIRD ISLAND STP
90 WEST FERRY ST
BUFFALO, NY 14213-7999

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

Permit Effective Date: 01/24/2007

Permit Expiration Date: 01/23/2012



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 24 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 13 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 14 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 15 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 16 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 17 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 18 6NYCRR 202-1.1: Required Emissions Tests
- 19 6NYCRR 211.3: Visible Emissions Limited
- 20 40CFR 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6NYCRR 200.3: False statement
- 23 6NYCRR 200.7: Compliance Certification
- 25 6NYCRR 201-6: Emission Unit Definition
- 26 6NYCRR 201-6.5(c)(3): Compliance Certification
- 27 6NYCRR 201-6.5(g): Non Applicable requirements
- 28 6NYCRR 212.10: Compliance Certification

Emission Unit Level

- 29 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 30 6NYCRR 201-6: Process Definition By Emission Unit

EU=U-00002

- 31 40CFR 60.152(a)(2), NSPS Subpart O: Compliance Certification

EU=U-00002,Proc=ASH

- 32 6NYCRR 212.4(a): Compliance Certification

EU=U-00002,Proc=BOI

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



33 6NYCRR 227-2.4(c)(1): Compliance Certification

EU=U-00002,Proc=INC

- 34 6NYCRR 212.10(c)(4)(i): Compliance Certification
- 35 40CFR 60.152(a)(1), NSPS Subpart O: Compliance Certification
- 36 40CFR 60.153(a)(1), NSPS Subpart O: Compliance Certification
- 37 40CFR 60.153(a)(2), NSPS Subpart O: Access to sludge charged for sampling
- 38 40CFR 60.153(b)(1), NSPS Subpart O: Compliance Certification
- 39 40CFR 60.153(b)(2), NSPS Subpart O: Compliance Certification
- 40 40CFR 60.155(a)(1)(i), NSPS Subpart O: Compliance Certification
- 41 40CFR 60.155(a)(2), NSPS Subpart O: Compliance Certification
- 42 40CFR 61.32(a), NESHAP Subpart C: Compliance Certification
- 43 40CFR 61.50, NESHAP Subpart E: Compliance Certification
- 44 40CFR 64: Compliance Certification

EU=U-00003

45 6NYCRR 227-2.4(g): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 46 ECL 19-0301: Contaminant List
- 47 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 48 6NYCRR 201-5.3(b): Equipment Malfunction Provision
- 49 6NYCRR 211.2: Air pollution prohibited



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 - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought 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 and/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;

(3) During the period of the emergency the facility owner and/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 and/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 and/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 - 6NYCRR Part 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



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR 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 Part 201-6.3(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 Part 201-6.3(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 Part 201-6.5(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 Part 201-6.5(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 - 6NYCRR Part 201-6.5(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

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

Item I: Severability - 6 NYCRR Part 201-6.5(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 Part 201-6.5(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

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



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 Part 201-6.5(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



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

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 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

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 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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 72-0302.

Condition 3: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

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 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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.

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



(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 201-6.3(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.

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



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 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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:

Compliance certifications shall contain the following information:

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



- 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 recordkeeping 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.

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the end of the calendar year.

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 Compliance Monitoring and Enforcement (BCME) 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:

270 Michigan Avenue
Buffalo, NY 14203-2999

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
50 Wolf Road



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Albany, NY 12233-3258

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 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.

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 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 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 Prohibited at Industrial and Commercial Sites
Effective between the dates of 01/24/2007 and 01/23/2012

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



Applicable Federal Requirement: 6NYCRR 215

Item 9.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

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 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 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 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 11.1:

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

Condition 24: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 24.1:

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.

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



Condition 12: Exempt Sources - Proof of Eligibility
Effective between the dates of 01/24/2007 and 01/23/2012

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

Item 12.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

Condition 13: Trivial Sources - Proof of Eligibility
Effective between the dates of 01/24/2007 and 01/23/2012

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

Item 13.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 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.

Condition 14: Standard Requirement - Provide Information
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)

Item 14.1:

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 15: General Condition - Right to Inspect
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Item 15.1:

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 16: Standard Requirements - Progress Reports
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)

Item 16.1:

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 17: Off Permit Changes
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(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



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

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 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 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. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 19: Visible Emissions Limited
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 211.3

Item 19.1:

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

Condition 20: Accidental release provisions.
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 68

Item 20.1:

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

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



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 21: Recycling and Emissions Reduction
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 21.1:

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 22: False statement
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 200.3

Item 22.1:

No person shall make a false statement in connection with applications, plans, specifications and/or reports submitted pursuant to this Subchapter.

Condition 23: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 200.7

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility established a Standard Operating Procedure for Multiple Hearth Incinerators manual which is periodically updated to address changes at the plant. This manual contains appropriate system descriptions, process information and operating procedures that must be followed. In specific, section III-C lists recommended operating temperature specifications for each furnace, afterburner and venturi scrubber that must be maintained. Most importantly is a reference to furnace "Draft" of -0.1 to -0.25 " wc that is critical in minimizing the generation of particulate emissions. This manual, original dated July 1999, and its updates is made a part of this permit by reference.

Standard Operating Procedures (SOP's) were updated and amended by incinerator expert ,Gene Walz of Incinerator Rx. The updated operating mode guidelines and process control procedures developed in February of 2004 are also to be utilized per this condition.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 25: Emission Unit Definition
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 25.1:

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

Emission Unit: U-00002

Emission Unit Description:

Emission unit U0002 is known as the main stack at the Buffalo Sewer Authority. There are seven emission sources associated with this emission unit. U00002 exhausts emissions from three auxiliary steam generating boilers, three sludge incinerators and the ash handling system. The main stack is located at the main equipment building.

Building(s): MEB



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Item 25.2:

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

Emission Unit: U-00003

Emission Unit Description:

This emission unit consists of two waste gas burners for the sludge digesters. The sludge digesters system stores methane gas for the sludge incinerators. The excess methane is burned in the waste gas burners.

Building(s): SDR

Condition 26: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: 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.

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



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

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 Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Non Applicable requirements
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6.5(g)

Item 27.1:

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

Condition 28: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 212.10

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 28.2:

Compliance Certification shall include the following monitoring:

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

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



Monitoring Description:

The facility potential emissions of Volatile Organic Compounds (VOC's) exceed the 50 Tons per year threshold of this regulation. The two significant sources of VOC are the sewage sludge incinerators and the sludge digesters. VOC's generated by the incinerators are controlled with an afterburner. Methane from the digester tanks is either burned in a flare or compressed, stored, and fed to auxiliary boilers as a fuel or fed to select burners on the incinerator afterburners.

The BSA initial Title V report addressed the proposed NESHAP for sewage treatment plants and did not identify any other major sources of VOC emissions other than the incinerator and the digester tanks. VOC emissions from these two sources will meet the 81% overall removal efficiency "RACT" (Capture and control) as defined in 6NYCRR part 212.10. Tuning of incinerator burners, maintaining hearth temperatures, afterburner temperatures, maintaining the Hydrocarbon analyzer as required under 40 cfr part 503, and Hydrocarbon emissions at less than 100 ppm on the incinerators will ensure compliance with the 81 % overall removal efficiency requirement in 212.10. Tuning digester gas flares, making sure that the flares are on at all times gas is vented and maintaining digester cover routinely will insure compliance with this regulation. Monitoring of the temperatures at the incinerator is required elsewhere in this permit with specific reporting requirements.

The flares on the digesters must maintain a log of maintenance, use, quantity of fuel burned or sent to the auxiliary boilers or incinerator afterburner, and any malfunctions. The reporting stipulated below is applicable to the flare only in this condition.

Parameter Monitored: VOC's

Lower Permit Limit: 81 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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



**** Emission Unit Level ****

Condition 29: Emission Point Definition By Emission Unit
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 29.1:

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

Emission Unit: U-00002

Emission Point: 000CA

Height (ft.): 96 Diameter (in.): 73
NYTMN (km.): 4759.42 NYTME (km.): 181.429 Building: MEB

Emission Point: 000CB

Height (ft.): 96 Diameter (in.): 73
NYTMN (km.): 4759.42 NYTME (km.): 181.429 Building: MEB

Emission Point: 000CC

Height (ft.): 96 Diameter (in.): 73
NYTMN (km.): 4759.42 NYTME (km.): 181.429 Building: MEB

Emission Point: 0INC1

Height (ft.): 96 Diameter (in.): 73
NYTMN (km.): 4759.42 NYTME (km.): 181.429 Building: MEB

Emission Point: 0INC2

Height (ft.): 96 Diameter (in.): 73
NYTMN (km.): 4759.42 NYTME (km.): 181.429 Building: MEB

Emission Point: 0INC3

Height (ft.): 96 Diameter (in.): 73
NYTMN (km.): 4759.42 NYTME (km.): 181.429 Building: MEB

Emission Point: ASHHA

Height (ft.): 96 Diameter (in.): 73

Item 29.2:

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

Emission Unit: U-00003

Emission Point: 00SD1

Height (ft.): 3 Diameter (in.): 6



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Building: SDR

Emission Point: 00SD2
Height (ft.): 3

Diameter (in.): 6

Building: SDR

Emission Point: 00SD3
Height (ft.): 3

Diameter (in.): 6

Building: SDR

Emission Point: 00SD4
Height (ft.): 3

Diameter (in.): 6

Building: SDR

Condition 30: Process Definition By Emission Unit
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 30.1:

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

Emission Unit: U-00002

Process: ASH

Source Classification Code: 5-03-005-15

Process Description:

Ash handling system for incinerators. Ash pneumatically conveyed to a silo, air separated and cleaned via a spray tower before exiting the main stack.

Emission Source/Control: SPRTW - Control

Control Type: SPRAY TOWER

Emission Source/Control: ASHHO - Process

Item 30.2:

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

Emission Unit: U-00002

Process: BOI

Source Classification Code: 1-03-006-02

Process Description:

Three boilers supply building heating, hot water, and heated circulating water for the digesters. Each boiler has a rated heat input of 51.2 million btu/hr. Auxiliary equipment for the boilers includes air handling equipment, high pressure air compressors, storage tanks, protected water equipment for distribution to the plant, water softening and water conditioning equipment. Each boiler



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

is fueled by natural gas. #2 and #3 boiler can be fueled by digester gas. This process is for emission points Ca, Cb, and Cc.

Emission Source/Control: 00001 - Combustion
Design Capacity: 51.2 million Btu per hour

Emission Source/Control: 00005 - Combustion
Design Capacity: 51.2 million Btu per hour

Emission Source/Control: 00009 - Combustion
Design Capacity: 51.2 million Btu per hour

Item 30.3:

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

Emission Unit: U-00002

Process: INC

Source Classification Code: 3-90-006-89

Process Description:

Sludge incineration is handled by three twelve hearth furnaces each with a rated capacity to burn 337 tons/day of belt press or centrifuge sludge cake at 80% moisture. Each furnace is a separate and complete unit with flue gas scrubbers, afterburner, ash handling, waste heat boilers, and associated equipment. This process is for emission points inc1, inc2, and inc3.

Emission Source/Control: IMPPL - Control
Control Type: IMPINGEMENT PLATE SCRUBBER

Emission Source/Control: SPRTW - Control
Control Type: SPRAY TOWER

Emission Source/Control: THAFT - Control
Control Type: DIRECT FLAME AFTERBURNER

Emission Source/Control: VENSC - Control
Control Type: VENTURI SCRUBBER

Emission Source/Control: 0000D - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: SEWAGE SLUDGE

Emission Source/Control: 0000E - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: SEWAGE SLUDGE



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Emission Source/Control: 0000F - Incinerator

Waste Feed Method: CHUTE FED

Waste Type: SEWAGE SLUDGE

Item 30.4:

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

Emission Unit: U-00003

Process: SDI

Source Classification Code: 5-01-007-89

Process Description:

The BSA Waste water treatment plant runs six anaerobic sludge digesters. They are used for primary and waste activated sludge digestion. After which, the sludge is sent for further dewatering and incineration. Operating equipment includes mixing system, heat exchangers, circulating pumps, gas flow meters, compressors for gas recirculation, and two large gas compressors for plant fuel. Two waste gas burners burn excess methane.

Emission Source/Control: SDIII - Process

Condition 31: Compliance Certification

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 60.152(a)(2), NSPS Subpart O

Item 31.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sewage Sludge Incinerators shall not discharge or cause the discharge into the atmosphere of any gases which exhibit 20 percent opacity or greater.

1) The operators will check opacity once per day, during daylight hours except during conditions of extreme weather (fog, snow, rain). Visible emissions do not include steam plumes.

2) Record in a bound log book or online operations log,

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



the daily results of the visual observation- was there visible emissions observed- yes or no, including explanations for days when weather conditions prohibit such observations of visible emissions, and 3) maintain the data in this log book for five years.

If the operator observes any visible emissions (other than steam) two days consecutively, a Method 9 analysis of the affected emission point(s) shall be conducted within 2 business days of the occurrence. The operator must contact the Region 9 Air Pollution Control Engineer within one business day of performing the Method 9 analysis, during normal business hours (8:30 am to 4:45 pm), if the analysis shows an exceedence of the required standards for opacity. Upon notification any corrective actions or future compliance schedules shall be presented to the Region for acceptance.

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 7/30/2007.

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

Condition 32: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 212.4(a)

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: ASH

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 32.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

The incinerator ash handling system is pneumatic and maintains a spray tower to clean the air stream prior to exhausting emissions to the main stack. Maintenance of the spray tower is critical to maintaining emissions in compliance with subpart O and the opacity standards. The spray tower water pressure must be monitored and maintained within appropriate ranges. Truck ash loading area must be kept clean. Routine maintenance records must be kept on a weekly basis. Each exhauster/spray tower is monitored for flow rate, range of 10 to 20 gpm, and pressure, range of 80 to 120 psi.

Parameter Monitored: PRESSURE

Lower Permit Limit: 80 pounds per square inch gauge

Upper Permit Limit: 120 pounds per square inch gauge

Monitoring Frequency: DAILY

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED

RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 33: Compliance Certification

Effective between the dates of 01/24/2007 and 01/23/2012

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

Item 33.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: BOI

Regulated Contaminant(s):

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BSA fires natural gas and digester gas in 3- 51.4 mmbtu/hr boilers. To comply with this part owners or operators of a mid-size boiler(50-100mmbtu/hr) must either utilize low NOx burners or meet 0.10 lbs of NOx/mmbtu emission limit. BSA has installed low NOx burners to meet



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

this requirement. Records of burner/boiler malfunctions and maintenance must be routinely maintained. It is assumed that the firing of digester gas is equivalent to firing natural gas in the low NO_x burners. A stack test is required during the first year of this permit to verify NO_x compliance with the 0.10 lb/mmbtu limit when firing natural gas and when firing methane gas on one of the three boilers.

A stack test protocol must be submitted to this office for approval at least 45 days prior to the proposed stack test. A stack test report of results must be submitted within 45 days after the stack test is performed.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: epa method 7
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 6NYCRR 212.10(c)(4)(i)

Item 34.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: INC

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

Item 34.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The incinerators are equipped with afterburners to destroy remaining VOC emissions from sludge incineration.

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



The afterburner temperatures were maintained above 1100 degrees F during the April 1994 performance test. This test was performed to demonstrate compliance with the particulate standards in 40 cfr subpart O and to demonstrate compliance with the requirements of the Clean Water Act part 503 regulations. The Afterburner operation insures compliance with the cfr part 503 limit for Hydrocarbons of 100 ppm. This also satisfies the requirement for Reasonable Available Control Technology under 6 NYCRR part 212.10 for VOC's.

The afterburners may burn digester gas or natural gas as long as the acceptable temperature of 1100 F is maintained. Afterburner temperature must be continuously monitored and recorded. Maintenance and malfunction records must be kept and made available upon request.

A stack test must be performed in order to demonstrate compliance with the particulates and VOC standards in order to apply for a lower operating temperature.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1100 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 60.152(a)(1), NSPS Subpart O

Item 35.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: INC

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The incinerators became operational approximately June of



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

1980 and are subject to the requirements of 40 cfr 60.150 Subpart O" Standards of Performance for Sewage Treatment Plants" Section 60.152(a) requires a stack test to determine compliance with the 1.30 lb of particulate/ ton dry sludge emission standard and to establish operating and monitoring parameters . The latest test witnessed by the New York State Department of Environmental Conservation was performed in April 1994 to demonstrate compliance with the 503 regulations. Particulates as well were sampled and emissions averaged 0.38 lb/dry ton of sludge feed with one incinerator operating at a rate of 44 dry tonnes/day.

A stack test for particulates, Nitrogen Oxide (NOx) and Carbon Monoxide (CO) must be completed once per permit term, within the first year of the permit, on one of the three incinerators. During this test the operating parameters such as sludge feed rate, afterburner temperature, Hearth temperatures, scrubber pressure, sieve and scrubber water flow, shall be verified and used as surrogate monitoring parameters thereafter. The latest test will be used to establish the monitoring and reporting parameters required in section 60.153 (a)(2), (a)(3), (b)(1), (b)(2),(c)(1),(c)(2) and 60.155(a)(1)i,(a)(2).

The particulate limit is 1.30 lb/ton of dry sludge. The NOx and CO sampling shall establish an appropriate emission factor for determining annual emissions as well as help with reducing NOx plume and tuning for proper combustion.

The stack testing for particulates along with the additional monitoring parameters for water flow shall satisfy the requirements of 40 CFR part 64 , Compliance Assurance , Monitoring. Report semi annually deviations of established monitoring parameters.

A stack test protocol is to be submitted to this office for approval 45 days prior to the proposed stack test date and a report of results is due within 45 days of stack test completion.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 1.30 pounds per ton

Reference Test Method: 40 cfr method 5,7,10

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 3-HOUR BLOCK AVERAGE



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 36: Compliance Certification

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 60.153(a)(1), NSPS Subpart O

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: INC

Item 36.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

§ 60.153 Monitoring of operations.

(a) The owner or operator of any sludge incinerator
subject to the provisions of this subpart shall:

(1) Install, calibrate, maintain, and operate a flow
measuring device which can be used to determine either the
mass or volume of sludge charged to the incinerator. The
flow measuring device shall be certified by the
manufacturer to have an accuracy of ± 5 percent over its
operating range. Except as provided in paragraph (d) of
this section, the flow measuring device shall be operated
continuously and data recorded during all periods of
operation of the incinerator.

Parameter Monitored: VOLUME

Upper Permit Limit: 45 tons per day

Monitoring Frequency: CONTINUOUS

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 37: Access to sludge charged for sampling

Effective between the dates of 01/24/2007 and 01/23/2012



Applicable Federal Requirement: 40CFR 60.153(a)(2), NSPS Subpart O

Item 37.1:

This Condition applies to Emission Unit: U-00002
Process: INC

Item 37.2:

§ 60.153 Monitoring of operations.

(a) The owner or operator of any sludge incinerator subject to the provisions of this subpart shall:

(2) Provide access to the sludge charged so that a well-mixed representative grab sample of the sludge can be obtained.

Condition 38: Compliance Certification

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 60.153(b)(1), NSPS Subpart O

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: INC

Item 38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

60.153 (b) The owner or operator of any multiple hearth, fluidized bed, or electric sludge incinerator subject to the provisions of this subpart shall comply with the requirements of paragraph (a) of this section and:
(1) For incinerators equipped with a wet scrubbing device, install, calibrate, maintain and operate a monitoring device that continuously measures and records the pressure drop of the gas flow through the wet scrubbing device. Where a combination of wet scrubbers is used in series, the pressure drop of the gas flow through the combined system shall be continuously monitored. The device used to monitor scrubber pressure drop shall be certified by the manufacturer to be accurate within ± 250 pascals (± 1 inch water gauge) and shall be calibrated on an annual basis in accordance with the manufacturer's instructions.



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Parameter Monitored: PRESSURE CHANGE
Lower Permit Limit: 16.8 inches of water
Monitoring Frequency: CONTINUOUS
Averaging Method: 15-MINUTE RUNNING LIMIT
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 60.153(b)(2), NSPS Subpart O

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: INC

Item 39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

60.153(b) The owner or operator of any multiple hearth, fluidized bed, or electric sludge incinerator subject to the provisions of this subpart shall comply with the requirements of paragraph (a) of this section and:

(2) Install, calibrate, maintain and operate a monitoring device that continuously measures and records the oxygen content of the incinerator exhaust gas. The oxygen monitor shall be located upstream of any rabble shaft cooling air inlet into the incinerator exhaust gas stream, fan, ambient air recirculation damper, or any other source of dilution air. The oxygen monitoring device shall be certified by the manufacturer to have a relative accuracy of ± 5 percent over its operating range and shall be calibrated according to method(s) prescribed by the manufacturer at least once each 24-hour operating period.

Parameter Monitored: OXYGEN CONTENT
Upper Permit Limit: 11.7 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 60.155(a)(1)(i), NSPS Subpart O

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: INC

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.155 Reporting.

(a) The owner or operator of any multiple hearth, fluidized bed, or electric sludge incinerator subject to the provisions of this subpart shall submit to the Administrator semi-annually a report in writing which contains the following:

(1) A record of average scrubber pressure drop measurements for each period of 15 minutes duration or more during which the pressure drop of the scrubber was less than, by a percentage specified below, the average scrubber pressure drop measured during the most recent performance test. The percent reduction in scrubber pressure drop for which a report is required shall be determined as follows:

(i) For incinerators that achieved an average particulate matter emission rate of 0.38 kg/Mg (0.75 lb/ton) dry sludge input or less during the most recent performance test, a scrubber pressure drop reduction of more than 30 percent from the average scrubber pressure drop recorded during the most recent performance test shall be reported.

Monitoring Frequency: CONTINUOUS

Averaging Method: 15-MINUTE RUNNING LIMIT

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

The initial report is due 7/30/2007.

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

Condition 41: Compliance Certification

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 60.155(a)(2), NSPS Subpart O

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: INC

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§ 60.155 Reporting.

(a) The owner or operator of any multiple hearth, fluidized bed, or electric sludge incinerator subject to the provisions of this subpart shall submit to the Administrator semi-annually a report in writing which contains the following:

(2) A record of average oxygen content in the incinerator exhaust gas for each period of 1-hour duration or more that the oxygen content of the incinerator exhaust gas exceeds the average oxygen content measured during the most recent performance test by more than 3 percent.

Reference Test Method: 40 cfr 60 appdb&f

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 42: Compliance Certification

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 61.32(a), NESHAP Subpart C

Item 42.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



Emission Unit: U-00002

Process: INC

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

Item 42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

40 cfr 503 Subpart E, Standards for the use or disposal of sewage sludge, requires sampling and analyzing sludge prior to incineration once per 60 days for all 503 metals that include Beryllium. 40 cfr 61.32 subpart C, National Emission Standards for Beryllium, states that samples shall be taken over such a period or periods as necessary to accurately determine the maximum emissions which will occur in a 24 hour period. The incinerators were stack tested to demonstrate compliance with the metals and impact assessment requirements under 503 in 1994. The results were very low for all metals of concern. Monitoring of metals in sludge is a good indicator of change. The sampling of once every other month will satisfy this requirement.

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 10 grams per day

Monitoring Frequency: BI-MONTHLY (ONCE EVERY 2 MONTHS)

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 43: Compliance Certification

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 61.50, NESHAP Subpart E

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: INC

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 43.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

40 cfr 61.50 subpart E, National Emission Standard for Mercury, limits emissions from Sewage Sludge Incinerators to 3200 grams/24-hour period. The demonstration of compliance is required upon start-up or within 90 days of regulation applicability. The regulation also requires sampling at intervals of at least once per year if results are over 1600 grams of mercury per 24 hour period. The April 1994 stack test performed to demonstrate compliance with 40cfr part 503 subpart E results reflect mercury emissions of 32.6 grams/ 24 hour period. 40 cfr 503 regulations require sampling and analysis of sludge prior to incineration once every two months for all 503 metals which includes mercury. This data may be used to determine compliance with this condition.

Parameter Monitored: MERCURY

Upper Permit Limit: 3200 grams per day

Monitoring Frequency: MONTHLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 44: Compliance Certification

Effective between the dates of 01/24/2007 and 01/23/2012

Applicable Federal Requirement: 40CFR 64

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: INC

Item 44.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A compliance assurance monitoring (CAM) plan, dated December 19, 2005, identifies current monitoring and additional monitoring to address the requirements of 40 cfr part 64, CAM, for the sludge incinerators. Currently BSA monitors scrubber differential pressure, opacity, oxygen content, afterburner temperature, incinerator temperatures and incinerator draft. There are specific conditions for each listed in the permit to assure proper operation of the incinerator and control equipment. In addition, BSA will continuously monitor liquid flow rate to each of the three scrubbers and maintain the flow between the alarm and design flow rate. BSA will calibrate, operate, and maintain the flow rate instruments in accordance with the manufacturer's recommendations. BSA will also operate and maintain all pumps in accordance with manufacturer's specifications. Identified in the plan are instrument tags, description, design flow rate and low alarm rate. The details of the additional flow monitoring in the CAM plan dated December 19, 2005 is incorporated into this permit by reference.

Flow rates below the low alarm rates for more than 15 minutes shall be considered excursions. Notification to the department is required by phone or e-mail within 3 days. Excursions not corrected within the same day must be followed up by letter with details of corrections within 30 days of the incident. Excursions that lead to possible exceedance of the opacity or particulate limit, as specified else where in the permit, must be addressed immediately by stopping sludge feed to the incinerator, following appropriate burn out procedures. A letter detailing the problem and resolution must be submitted to the department within 30 days of the incident. Exceedances must be addressed in the semi and annual reports.

Also BSA will perform a stack test of one incinerator per permit term, during the first year of the permit, to verify compliance with the particulate limit and verify the operating parameters of the equipment listed above. The stack test requirement is detailed under 40 cfr part 60 .150 condition in this permit.

All notifications and reports must be addressed to the



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

Region 9 Regional Air Pollution Engineer or appropriate representative.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 01/24/2007 and 01/23/2012

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

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

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

Item 45.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Flare used to burn off methane gas generated by the digester tanks. The methane gas can also be stored and used as a fuel in the incinerator, incinerator afterburner and auxiliary boilers. Flares will be maintained at all times and in operation when methane is not being directed elsewhere. Continuous Igniters are used to maintain flame in flare. If flame goes out and igniter malfunctions the gas should be shut off and directed to the other flare or stored. The condition of the flare and igniter will be checked once per shift and records of malfunctions and repairs maintained on site.

Process Material: SEWAGE GAS
Parameter Monitored: TEMPERATURE CHANGE
Lower Permit Limit: 500 degrees Fahrenheit
Monitoring Frequency: PER SHIFT
Averaging Method: 15-MINUTE ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation
Permit ID: 9-1402-00154/00007 Facility DEC ID: 9140200154



The initial report is due 7/30/2007.
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 46: Contaminant List
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable State Requirement: ECL 19-0301

Item 46.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this

New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154



permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007440-41-7

Name: BERYLLIUM

CAS No: 007439-97-6

Name: MERCURY

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY998-00-0

Name: VOC

Condition 47: Unavoidable noncompliance and violations
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable State Requirement: 6NYCRR 201-1.4

Item 47.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate



New York State Department of Environmental Conservation

Permit ID: 9-1402-00154/00007

Facility DEC ID: 9140200154

of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) 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.

Condition 48: Equipment Malfunction Provision
Effective between the dates of 01/24/2007 and 01/23/2012

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

Item 48.1:

In the event of an emissions control equipment failure, the associated process equipment must shut down immediately and remain shut down until the emissions control equipment is fully operational.

Item 48.2:

In the event that emissions of air contaminants in excess of any emission limit occur due to a malfunction, the permittee shall report such malfunction to the Department within two working days after becoming aware that the malfunction occurred, as required in 6NYCRR 201-1.4(b).

Condition 49: Air pollution prohibited
Effective between the dates of 01/24/2007 and 01/23/2012

Applicable State Requirement: 6NYCRR 211.2

Item 49.1:

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.