

New York State Department of Environmental Conservation

Division of Environmental Permits, Region 1

SUNY @ Stony Brook

50 Circle Road, Stony Brook, NY 11790-3409

Phone: (631) 444-0361 Fax: (631) 444-0360

Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

October 25, 2010

Mr. Charles Wenderoth
U.S. Dept. of Homeland Security
P.O. Box 848
Greenport, NY 11944-0848

Re: Permit No.: 1-4738-00028/00030

Dear Permittee:

In conformance with the requirements of the State Uniform Procedures Act (Article 70, ECL) and its implementing regulations (6NYCRR, Part 621) we are enclosing your permit identified above. Please carefully read all permit conditions carefully to ensure compliance during the term of the permit. If you are unable to comply with any conditions, please contact us at the above address.

This permit must be kept available on the premises of the facility at all times.

Sincerely,

A handwritten signature in black ink that reads "Roger Evans". The signature is written in a cursive, flowing style.

Roger Evans
Regional Permit Administrator

RE/ls



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 1-4738-00028/00030
Effective Date: 10/21/2010 Expiration Date: 10/20/2013

Permit Issued To: US DEPT OF HOMELAND SECURITY
NEBRASKA AVE NW
WASHINGTON, DC 20528

Contact: DOUGLAS PORTS
US DEPT OF HOMELAND SECURITY
PO BOX 848
GREENPORT, NY 11944-0848
(631) 323-3210

Facility: PLUM ISLAND ANIMAL DISEASE CTR
DISEASE CENTER BUILDING ONLY
ORIENT POINT, NY 11957

Contact: CHARLES WENDEROTH
US DEPT OF HOMELAND SECURITY
PO BOX 848
GREENPORT, NY 11944-0848
(631) 323-3007

Description:

Operate three modular controlled-air incinerators. The east and Orient incinerators are operated as crematories. The west incinerator is to be converted back into a crematory. Operate three distillate oil-fired boilers. Four older boilers have been decommissioned. The facility's potential to emit (PTE) oxides of nitrogen (NOx) exceeds the major facility threshold of 25 tons per year (TPY). The State Facility Permit caps NOx emissions to less than 22.5 TPY by limiting fuel (#2 fuel oil) use for the facility to 2.5 million gallons per year and for the boilers to 1 million gallons per year.

New York State Department of Environmental Conservation
Facility DEC ID: 1473800028



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: ROGER EVANS
 NYSDEC - SUNY @ STONY BROOK
 50 CIRCLE RD
 STONY BROOK, NY 11790-3409

Authorized Signature: Roger Evans Date: 10 / 21 / 2010



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



CONDITIONS

PAGE LOCATION OF

PAGE

DEC GENERAL CONDITIONS

General Provisions

- 5 1 Facility Inspection by the Department
- 5 2 Relationship of this Permit to Other Department Orders and Determinations
- 5 3 Applications for permit renewals, modifications and transfers
- 6 4 Permit modifications, suspensions or revocations by the Department
- 6 5 Permit modifications, suspensions or revocations by the Department

Facility Level

- 6 6 Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

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

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



Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to 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 5: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 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.

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

Condition 6: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 6.1:

Applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409
(631) 444-0365

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Permit Under the Environmental Conservation Law (ECL)

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY
PERMIT**

IDENTIFICATION INFORMATION

Permit Issued To: US DEPT OF HOMELAND SECURITY
NEBRASKA AVE NW
WASHINGTON, DC 20528

Facility: PLUM ISLAND ANIMAL DISEASE CTR
DISEASE CENTER BUILDING ONLY
ORIENT POINT, NY 11957

Authorized Activity By Standard Industrial Classification Code:
8733 - NONCOMMERCIAL RESEARCH ORGANIZATIONS
8734 - TESTING LABORATORIES

Permit Effective Date: 10/21/2010

Permit Expiration Date: 10/20/2013



PAGE LOCATION OF CONDITIONS

PAGE

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 7 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 7 2 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 8 3 6 NYCRR 200.7: Maintenance of Equipment
- 8 4 6 NYCRR 211.3: Visible Emissions Limited
- 8 5 40 CFR Part 68: Accidental release provisions.
- 9 6 6 NYCRR 200.2: Safeguarding information
- 9 7 6 NYCRR 200.3: False statement
- 9 *8 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 10 9 6 NYCRR Part 201: Compliance Plan
- 11 10 6 NYCRR 225-1.8: Compliance Demonstration
- 12 11 40CFR 60.7(a), NSPS Subpart A: Date of construction notification
- If a COM is not used.
- 12 12 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 12 13 40CFR 60.9, NSPS Subpart A: Availability of information.
- 12 14 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 13 15 40CFR 60.12, NSPS Subpart A: Circumvention.
- 13 16 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 13 17 40CFR 60.14, NSPS Subpart A: Modifications.
- 13 18 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Demonstration
- 14 19 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration

Emission Unit Level

- 14 20 6 NYCRR Subpart 201-7: Process Permissible Emissions
- 16 21 6 NYCRR 227.2 (b) (1): Compliance Demonstration

EU=1-109BL,Proc=OIL

- 16 22 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 17 23 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 17 24 6 NYCRR 227-1.3: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 20 25 ECL 19-0301: Contaminant List
- 21 26 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 22 27 6 NYCRR Subpart 201-5: Emission Unit Definition
- 24 28 6 NYCRR 211.2: Air pollution prohibited
- 24 29 6 NYCRR 219-4.7: Compliance Demonstration

Emission Unit Level

- 25 30 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 26 31 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

EU=1-101EO

- 29 32 6 NYCRR 219-4.3: Compliance Demonstration
- 29 33 6 NYCRR 219-4.4: This section describes design requirements for crematories and pathological incinerators.
- 30 34 6 NYCRR 219-4.5 (a): Compliance Demonstration

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



- 30 39 6 NYCRR 219-4.5 (b): Compliance Demonstration
- 31 40 6 NYCRR 219-4.5 (b): Compliance Demonstration
- 31 35 6 NYCRR 219-4.6: This section describes other wastes that can
and can not be burned in a crematory.
- 32 36 6 NYCRR 219-4.8: Stack Testing requirements
- 32 37 6 NYCRR 219-4.10: Operator training and certification requirements.
- 33 38 6 NYCRR 219-4.11: Inspection and Reporting requirements.

EU=1-101WE

- 33 41 6 NYCRR 219-4.3: Compliance Demonstration
- 34 42 6 NYCRR 219-4.4: This section describes design requirements for
crematories and pathological incinerators.
- 34 43 6 NYCRR 219-4.5 (a): Compliance Demonstration
- 34 48 6 NYCRR 219-4.5 (b): Compliance Demonstration
- 35 49 6 NYCRR 219-4.5 (b): Compliance Demonstration
- 35 44 6 NYCRR 219-4.6: This section describes other wastes that can
and can not be burned in a crematory.
- 36 45 6 NYCRR 219-4.8: Stack Testing requirements
- 36 46 6 NYCRR 219-4.10: Operator training and certification requirements.
- 37 47 6 NYCRR 219-4.11: Inspection and Reporting requirements.

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6 NYCRR 200.5

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

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

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

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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

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

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or



modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6 NYCRR 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 F: Recycling and Salvage - 6 NYCRR 201-1.7

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

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

No person shall unnecessarily remove, handle, or cause to be handled,



collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

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

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: Required Emission Tests - 6 NYCRR 202-1.1

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

Item K: Visible Emissions Limited - 6 NYCRR 211.3

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.

Item L: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

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

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

FEDERAL APPLICABLE REQUIREMENTS

The following conditions are federally enforceable.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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

Condition 2: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement: 6 NYCRR Part 215

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Item 2.1:

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.

Condition 3: Maintenance of Equipment
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:6 NYCRR 200.7

Item 3.1:

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 4: Visible Emissions Limited
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:6 NYCRR 211.3

Item 4.1:

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 5: Accidental release provisions.
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:40 CFR Part 68

Item 5.1:

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

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

Risk Management Plan Reporting Center
C/O CSC

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



8400 Corporate Dr
Carrollton, Md. 20785

Condition 6: Safeguarding information
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:6 NYCRR 200.2

Item 6.1:

Information pertaining to manufacture, production or secret processes submitted in connection with applications, reports, plans and specifications or testing and designated by the person submitting such information as secret or proprietary, shall be kept confidential as provided by Part 616 of this Title dealing with trade secret confidentiality. The quantity and physical and chemical characteristics of actual and allowable air contaminant emissions shall be considered public information.

Condition 7: False statement
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:6 NYCRR 200.3

Item 7.1:

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

Condition 8: Capping Monitoring Condition
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 8.1:

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

6 NYCRR Subpart 201-6

Item 8.2:

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

Item 8.3:

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

Item 8.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



The facility must comply with all requirements of the Consent Order
CO-1-20070119-3 signed July 6,2010.

Intermediate Milestones:

Schedule Date: 07/06/2010

A semi annual compliance certification must be submitted to the
Department documenting no more than 5% of the total permitted charging
rate of infectious waste.

Condition 10: Compliance Demonstration
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:6 NYCRR 225-1.8

Item 10.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal
and/or fuel oil shall compile and retain records of the following
information:

- a. fuel analyses and data on the quantities of all residual and
distillate oil and coal received, burned or sold;
- b. the names of all purchasers of all residual and distillate oil and
coal sold;
- c. any results of stack sampling, stack monitoring and other
procedures used to ensure compliance with the provisions of 6 NYCRR
Part 225-1.

Fuel analyses must contain, as a minimum, data on the sulfur content,
specific gravity and heating value of any residual oil, distillate oil
or coal received, burned or sold. Ash content shall also be included
in the fuel analyses for any residual oil or coal received, burned or
sold.

These records shall be retained for a minimum period of three years.
If the facility is subject to Title V requirements the minimum record
retention period shall be five years. The records shall be made
available for inspection by department staff during normal business
hours. In addition, copies of such records shall be furnished to
department staff upon request. All required sampling, compositing and
analysis of fuel samples must be done in accordance with methods
acceptable to the department.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



**Condition 11: Date of construction notification - If a COM is not used.
Effective between the dates of 10/21/2010 and 10/20/2013**

Applicable Federal Requirement:40CFR 60.7(a), NSPS Subpart A

Item 11.1:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date.

**Condition 12: Performance testing timeline.
Effective between the dates of 10/21/2010 and 10/20/2013**

Applicable Federal Requirement:40CFR 60.8(a), NSPS Subpart A

Item 12.1:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

**Condition 13: Availability of information.
Effective between the dates of 10/21/2010 and 10/20/2013**

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 13.1:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by 40 CFR Part 2.

**Condition 14: Opacity standard compliance testing.
Effective between the dates of 10/21/2010 and 10/20/2013**

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Item 14.1:

The following conditions shall be used to determine compliance with the opacity standards:

1) observations shall be conducted in accordance with Reference Method 9, in Appendix A of 40 CFR Part 60 (or an equivalent method approved by the Administrator including continuous opacity monitors);

2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and

3) all other applicable conditions cited in section 60.11 of this part.

Condition 15: Circumvention.

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement: 40CFR 60.12, NSPS Subpart A

Item 15.1:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 16: Monitoring requirements.

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 16.1:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 17: Modifications.

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 17.1:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 18: Compliance Demonstration

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement: 40CFR 60.48c(d), NSPS Subpart Dc

Item 18.1:

The Compliance Demonstration activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO₂ emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 11/19/2011 for the period 10/21/2010 through 10/20/2011

Condition 19: Compliance Demonstration
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:40CFR 60.48c(g), NSPS Subpart Dc

Item 19.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 11/19/2011 for the period 10/21/2010 through 10/20/2011

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

Condition 20: Process Permissible Emissions
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 20.1:

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 1-101EO Process: CRM

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

PTE(s): 3.95 pounds per hour



New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028

4,734 pounds per year

Emission Unit: 1-101WE Process: CRW

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 3.95 pounds per hour

4,734 pounds per year

Emission Unit: 1-109BL Process: OIL

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 8.1 pounds per hour

71,000 pounds per year

Emission Unit: 1-109EG Process: EPG

CAS No: 007446-09-5
Name: SULFUR DIOXIDE
PTE(s): 13 pounds per hour

2,080 pounds per year

Emission Unit: 1-101EO Process: CRM

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 4.99 pounds per hour

5,984 pounds per year

Emission Unit: 1-101WE Process: CRW

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 2.5 pounds per hour

2,992 pounds per year

Emission Unit: 1-109BL Process: OIL

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 2.28 pounds per hour

20,000 pounds per year

Emission Unit: 1-109EG Process: EPG

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 85.87 pounds per hour

13,739 pounds per year

Condition 21: Compliance Demonstration

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Effective between the dates of 10/21/2010 and 10/20/2013

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

Item 21.1:

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

Emission Unit: 1-109BL

Emission Unit: 1-109EG

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for a stationary combustion installation firing oil. The owner or operator shall complete the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 22: Compliance Demonstration

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable Federal Requirement:40CFR 60.42c(d), NSPS Subpart Dc

Item 22.1:

The Compliance Demonstration activity will be performed for:



Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- 1) Observe the stack for each boiler which is operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - date and time of day
 - observer's name
 - identity of emission point
 - weather condition
 - was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Monitoring Frequency: DAILY

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

Subsequent reports are due every 12 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: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

**Condition 25: Contaminant List
Effective between the dates of 10/21/2010 and 10/20/2013**

Applicable State Requirement:ECL 19-0301



Item 25.1:

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

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

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

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

Condition 26: Unavoidable noncompliance and violations
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement: 6 NYCRR 201-1.4

Item 26.1:

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 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 27: Emission Unit Definition
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 27.1:

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

Emission Unit: 1-101EO

Emission Unit Description:

The East and Orient incinerators are identical Environmental Control Products model 2000 TL no. 2 oil fired units with the capacity for 1600 lb/hr of pathological waste. The units are modular, controlled-air and refractory-lined. Typically only one of the two incinerators is operated at a time between 1 and 10 days per month depending on the waste generated by the facility. A typical charge is between 25 and 300 pounds, and multiple charges are possible per hour. Radioactive waste may not be burned in these incinerators. The facility has agreed to limit the amount of pathological waste charged to the incinerator to no more than 1200 pounds per hour. A compliance monitoring plan for certifying/documenting no more than 5% of the total permitted hourly charging rate of infectious waste must be maintained at all times.

Building(s): 101

Item 27.2:

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

Emission Unit: 1-101WE

Emission Unit Description:

The West incinerator is an Environmental Control Products model 2000 TL no. 2 oil fired incinerator with the capacity for 1600 lb/hr of pathological waste identical to the East and Orient incinerators. Since 2001, this unit has been used to dispose of the non-pathological combustible institutional waste generated within biological



containment, including the combustible treated medical waste from the exit autoclaves, paper, cardboard, food waste, plastics, rubber, wood, and depleted radioactive waste (DRW). The incinerator is usually operated once per week and an average of 1000 pounds of waste is burned per week. Due to more stringent federal requirements and to improve facility operation, PIADC has decided to return the west incinerator to a pathological waste incinerator. Radioactive waste may not be burned in the west incinerator.

This unit will operate in the same manner as the East and Orient incinerators after the compliance date.

The facility has agreed to limit the amount of pathological waste charged to the incinerator to no more than 1200 pounds per hour. A compliance monitoring plan for certifying/documenting no more than 5% of the total permitted hourly charging rate of infectious waste must be maintained at all times.

Building(s): 101

Item 27.3:

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

Emission Unit: 1-109BL

Emission Unit Description:

The building 109 boiler plant consists of three Cleaver-Brooks boilers rated at 19.3 MMBtu/hr. All boilers fire no. 2 fuel oil only and are used to respond to steam demand for buildings 100, 101 and 102 as needed.

Building(s): 109

Item 27.4:

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

Emission Unit: 1-109EG

Emission Unit Description:

This emission unit consists of three Caterpillar model 3606 generator sets with straight 6 cylinder diesel-driven engines capable of 900 rpm installed at the facility in March of 2003. Each generator is rated 1820eKw prime, 13200 volts, 3 phase, 4-wire, 60 Hz, at 0.8 power factor (pf). Each generator consumes 121 gallons of fuel per hour when operating at 100% capacity. PIADC will operate these units to ensure consistent, balanced power to the island and will not use them as part of the utility company peak reduction power program. Generators will also be used for periodic testing, training, operational needs or requirements, electrical work, cutovers during construction and during the delivery of unbalanced power (under/over voltage or amperage) by the utility. The anticipated operating schedule is "as required", however, the operating time over a twelve month period will be approximately 8 hours per generator per month over the 6 months of winter, and 18 hours per month over 6 months of summer, or a total of 156 hours per generator per year.

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Building(s): 109

Condition 28: Air pollution prohibited
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 211.2

Item 28.1:

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

Condition 29: Compliance Demonstration
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.7

Item 29.1:

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

Emission Unit: 1-101EO	Emission Point: 00001
Emission Unit: 1-101EO	Emission Point: 00002
Emission Unit: 1-101WE	Emission Point: 00003

Item 29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any person who owns or operates a crematory facility must install, operate and maintain in accordance with manufacturer's instructions, instruments meeting specifications acceptable to the commissioner for continuously monitoring and recording the following emission and operating parameters:

- (1) primary combustion chamber exit temperature;
- (2) secondary (or last) combustion chamber exit temperature.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



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

Condition 30: Emission Point Definition By Emission Unit
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 30.1:

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

Emission Unit: 1-101EO

Emission Point: 00001

Height (ft.): 44 Diameter (in.): 42
NYTMN (km.): 4562.2 NYTME (km.): 734.53 Building: 101

Emission Point: 00002

Height (ft.): 44 Diameter (in.): 42
NYTMN (km.): 4562.2 NYTME (km.): 734.53 Building: 101

Item 30.2:

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

Emission Unit: 1-101WE

Emission Point: 00003

Height (ft.): 44 Diameter (in.): 41
NYTMN (km.): 4562.12 NYTME (km.): 734.43 Building: 101

Item 30.3:

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

Emission Unit: 1-109BL

Emission Point: 00009

Height (ft.): 23 Diameter (in.): 20
NYTMN (km.): 4562.05 NYTME (km.): 731.29 Building: 109

Emission Point: 00010

Height (ft.): 23 Diameter (in.): 20
NYTMN (km.): 4562.05 NYTME (km.): 731.29 Building: 109

Emission Point: 00011

Height (ft.): 23 Diameter (in.): 20
NYTMN (km.): 4562.05 NYTME (km.): 731.29 Building: 109

Item 30.4:

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

Emission Unit: 1-109EG

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Emission Point: 00013
Height (ft.): 23 Diameter (in.): 20
NYTMN (km.): 4562.09 NYTME (km.): 734.29 Building: 109

Emission Point: 00014
Height (ft.): 23 Diameter (in.): 20
NYTMN (km.): 4562.09 NYTME (km.): 734.29 Building: 109

Emission Point: 00015
Height (ft.): 23 Diameter (in.): 20
NYTMN (km.): 4562.09 NYTME (km.): 734.29 Building: 109

Condition 31: Process Definition By Emission Unit
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 31.1:

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

Emission Unit: 1-101EO
Process: CRM Source Classification Code: 5-01-005-05
Process Description:

A typical operating day for an incinerator begins at the start of the day shift and includes approximately 2 hours of warm up time to ensure both chambers are at the minimum operating temperature. Waste feed to the incinerator occurs for 6 to 10 hours, depending on the number of carcasses for disposal, and is followed by an automatic burnout/cool down period of approximately 4 to 6 hours.

Waste is fed to the primary chamber in controlled batches. Waste is loaded into the floor level charging chute through a mechanically controlled hatch located in the necropsy room above each incinerator. Operators place each charge of waste into the chute, which is sealed from the primary combustion chamber by an intervening double-door system. When the chute is loaded the upper hatch is closed and the incinerator operator opens the lower double doors dropping the waste into the primary chamber. After the charge is consumed and the incinerator operator makes sure both the primary and secondary chamber are at the minimum temperature another charge is allowed.

The primary chamber operates at less than stoichiometric combustion conditions (less air than is required for complete combustion), or "starved air" conditions to sustain partial oxidation or partial pyrolysis of the waste. The air introduced into the primary chamber ranges from 30 to 40 percent of the amount required for stoichiometric combustion, and the air supplied to the secondary chamber ranges from 100 to 150 percent excess air completing and resulting in total combustion of the gaseous products. In addition to airflow regulation, varying the waste feed rate controls the combustion process.

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



When the combustion rate is sufficient to sustain partial oxidation reactions, the auxiliary fossil fuel burners are deactivated. The primary chamber is supplied with less than the theoretical air needed to complete combustion of these volatile gases. Air is introduced in the transition section between the two chambers, and most of the fixed carbon in the remaining char is combusted. Any unburned carbon is removed with the ash. When the partially oxidized combustible gas and particulates generated in the primary chamber flow into the secondary chamber, any remaining combustibles are completely burned.

The operating temperature in the primary chamber ranges from 1400 to 1600 and in the secondary chamber ranges from 1800 to 2000 degrees Fahrenheit. If either chamber temperature falls below the low temperature setting (1400 for the primary chamber and 1800 for the secondary chamber) the auxiliary burners are reignited.

Typically only one of the incinerators is operated at a time, and typically for 1 to 10 days per month. This varies based on the number of carcasses generated from research projects, veterinary schools and seminars.

Emission Source/Control: 10101 - Incinerator
Design Capacity: 1,600 pounds per hour
Waste Feed Method: CHUTE FED
Waste Type: CREMATORY WASTE (INCLUDING HUMAN AND/OR ANIMAL BODY PARTS AND ASSOCIATED ANIMAL BEDDING) ONLY

Emission Source/Control: 10102 - Incinerator
Design Capacity: 1,600 pounds per hour
Waste Feed Method: CHUTE FED
Waste Type: CREMATORY WASTE (INCLUDING HUMAN AND/OR ANIMAL BODY PARTS AND ASSOCIATED ANIMAL BEDDING) ONLY

Item 31.2:

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

Emission Unit: 1-101WE
Process: CRW
Source Classification Code: 5-01-005-05
Process Description:

Since 2001, this process has been used to dispose of the non-pathological combustible institutional wastes generated within the biological containment, including the combustible treated medical waste from the exit autoclaves, paper, cardboard, food waste, plastics, rubber, wood, and depleted radioactive waste (DRW). The incinerator is usually operated once per week and an average of 1000 pounds of waste is burned per week. Due to more stringent federal requirements and to improve facility operation, PIADC has decided to return the west incinerator to a pathological waste incinerator.

The incinerator will be operated in the same manner as the East and Orient incinerators after the compliance date.

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Emission Source/Control: 10103 - Incinerator
Design Capacity: 1,600 pounds per hour
Waste Feed Method: CHUTE FED
Waste Type: CREMATORY WASTE (INCLUDING HUMAN AND/OR ANIMAL
BODY PARTS AND ASSOCIATED ANIMAL BEDDING) ONLY

Item 31.3:

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

Emission Unit: 1-109BL
Process: OIL Source Classification Code: 1-03-005-02
Process Description:

Three no.2 fuel oil-fired package boilers provide steam for comfort heating and sterilization needs for PIADC. At least one boiler is on-line at all times. Annual fuel usage will be up to 1,000,000 gallons per year total for the three units. Steam demand is satisfied by combustion of units at less than individual capacities.

Emission Source/Control: 10901 - Combustion
Design Capacity: 133 gallons per hour

Emission Source/Control: 10902 - Combustion
Design Capacity: 133 gallons per hour

Emission Source/Control: 10903 - Combustion
Design Capacity: 133 gallons per hour

Item 31.4:

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

Emission Unit: 1-109EG
Process: EPG Source Classification Code: 3-10-004-11
Process Description:

Three emergency power generators, each rated at 1820 eKW, use a combined 363 gallons per hour of fuel at full power. These emergency generators will be operated during power interruptions. Also, the generators will be used as needed for periodic testing, training, operational needs or requirements, electrical work, cutovers during construction, or when the utility delivers unbalanced power (under/over voltage or amperage). The operating schedule will be approximately 8 hours per generator per month of winter, 18 hours per generator per month of summer, and additionally as required.

Emission Source/Control: 10905 - Combustion
Design Capacity: 1,820 kilowatts

Emission Source/Control: 10906 - Combustion
Design Capacity: 1,820 kilowatts

Emission Source/Control: 10907 - Combustion
Design Capacity: 1,820 kilowatts



Condition 32: Compliance Demonstration
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.3

Item 32.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-101EO

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions limit for new and modified crematories and for incineration of associated bedding. The permittee must initially demonstrate compliance with the standards in this Subpart by either (1) onsite testing, or (2) submittal of a test report for an identical incinerator tested in New York and approved by the commissioner.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.08 grains per dry standard cubic foot
(corrected to 7% O₂)

Reference Test Method: EPA Ref Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 33: This section describes design requirements for crematories and pathological incinerators.

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.4

Item 33.1:

This Condition applies to Emission Unit: 1-101EO

Item 33.2:

(a) Furnace design must provide for a residence time for combustion gas of at least one second at no less than 1800F. For a multichamber incinerator, these parameters must be met after the primary combustion chamber and the primary combustion chamber temperature must be maintained at no less than 1400F.

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



(b) Auxiliary burners must be designed to provide combustion chamber temperatures as described in subdivision (a) of this section by means of automatic modulating controls.

(c) Mechanically fed crematories must incorporate an air lock system to prevent opening the crematory to the room environment. The volume of the loading system must be designed so as to prevent overcharging to assure complete combustion of the charge.

Condition 34: Compliance Demonstration
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement: 6 NYCRR 219-4.5 (a)

Item 34.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-101EO

Item 34.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person may cause or allow emissions to the outdoor atmosphere having a six minute average opacity of ten percent or greater from any crematory.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: DAILY

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 39: Compliance Demonstration
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement: 6 NYCRR 219-4.5 (b)

Item 39.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-101EO

Item 39.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

No person may operate a crematory unless the primary chamber temperature is maintained at 1400 degrees Fahrenheit at all times

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



waste is being burned.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1400 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 40: Compliance Demonstration
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.5 (b)

Item 40.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-101EO

Item 40.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

No person may operate a crematory unless the secondary chamber
temperature is maintained at 1800 degrees Fahrenheit at all times
waste is being burned.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1800 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 35: This section describes other wastes that can and can not be burned in
a crematory.**

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.6

Item 35.1:

This Condition applies to Emission Unit: 1-101EO

Item 35.2:

(a) Municipal solid waste may not be burned in a crematory.

(b) Infectious waste (other than pathological waste and animal bedding) in excess of five
percent of the total permitted hourly charging rate may not be burned in a crematory.

(c) Radioactive waste may not be burned in a crematory unless that crematory is exempt



from or has been issued a permit pursuant to Part 380 of this Title.

(d) Hazardous waste may not be burned in a crematory unless that crematory is exempt from or has been issued a permit pursuant to Part 373 of this Title.

Condition 36: Stack Testing requirements
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.8

Item 36.1:

This Condition applies to Emission Unit: 1-101EO

Item 36.2:

(a) Each incinerator to be installed in a crematory facility must demonstrate compliance by either (1) onsite testing, or (2) submittal of a test report for an identical incinerator tested in New York and approved by the commissioner.

(b) A test protocol, including the configuration of breaching, stack and test port locations and test methods must be submitted for the commissioner's approval at least 30 days prior to stack testing.

(c) Witnessing of all stack tests by the commissioner's representative is required. Results of any stack test done in the absence of an approved protocol, or which is not witnessed, will not be accepted.

(d) Three copies of the stack test report must be submitted by the permittee to the commissioner within 60 days after completion of the tests, in accordance with Part 202.

Condition 37: Operator training and certification requirements.
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.10

Item 37.1:

This Condition applies to Emission Unit: 1-101EO

Item 37.2:

(a) This facility may not operate except under the onsite direction of a person possessing an appropriate incinerator operator certification issued by the commissioner.

(b) Persons operating this facility must be certified in writing by the holder of an incinerator operator certification, relative to:

(1) proper operation and maintenance of equipment at that facility; and

(2) knowledge of environmental permit conditions and the impact of plant operation on emissions for that facility.

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Condition 38: Inspection and Reporting requirements.
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.11

Item 38.1:

This Condition applies to Emission Unit: 1-101EO

Item 38.2:

Each owner or operator of a permitted crematory facility must annually inspect that facility and submit a report to the commissioner, certifying that the condition and operation of that facility, including the calibration of all instrumentation, meet manufacturer's specifications.

Condition 41: Compliance Demonstration
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.3

Item 41.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-101WE

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions limit for new and modified crematories and for incineration of associated bedding. The permittee must initially demonstrate compliance with the standards in this Subpart by either (1) onsite testing, or (2) submittal of a test report for an identical incinerator tested in New York and approved by the commissioner.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.08 grains per dry standard cubic foot
(corrected to 7% O₂)

Reference Test Method: EPA Ref Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 42: This section describes design requirements for crematories and



pathological incinerators.

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.4

Item 42.1:

This Condition applies to Emission Unit: 1-101WE

Item 42.2:

(a) Furnace design must provide for a residence time for combustion gas of at least one second at no less than 1800F. For a multichamber incinerator, these parameters must be met after the primary combustion chamber and the secondary combustion chamber temperature must be maintained at no less than 1400F.

(b) Auxiliary burners must be designed to provide combustion chamber temperatures as described in subdivision (a) of this section by means of automatic modulating controls.

(c) Mechanically fed crematories must incorporate an air lock system to prevent opening the crematory to the room environment. The volume of the loading system must be designed so as to prevent overcharging to assure complete combustion of the charge.

Condition 43: Compliance Demonstration

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.5 (a)

Item 43.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-101WE

Item 43.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person may cause or allow emissions to the outdoor atmosphere having a six minute average opacity of ten percent or greater from any crematory.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: DAILY

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 48: Compliance Demonstration

Effective between the dates of 10/21/2010 and 10/20/2013

New York State Department of Environmental Conservation

Permit ID: 1-4738-00028/00030

Facility DEC ID: 1473800028



Applicable State Requirement:6 NYCRR 219-4.5 (b)

Item 48.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-101WE

Item 48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

No person may operate a crematory unless the primary chamber temperature is maintained at 1400 degrees Fahrenheit at all times waste is being burned.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1400 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 49: Compliance Demonstration

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.5 (b)

Item 49.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-101WE

Item 49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

No person may operate a crematory unless the secondary chamber temperature is maintained at 1800 degrees Fahrenheit at all times waste is being burned.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1800 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 44: This section describes other wastes that can and can not be burned in a crematory.

Effective between the dates of 10/21/2010 and 10/20/2013



Applicable State Requirement:6 NYCRR 219-4.6

Item 44.1:

This Condition applies to Emission Unit: 1-101WE

Item 44.2:

(a) Municipal solid waste may not be burned in a crematory.

(b) Infectious waste (other than pathological waste and animal bedding) in excess of five percent of the total permitted hourly charging rate may not be burned in a crematory.

(c) Radioactive waste may not be burned in a crematory unless that crematory is exempt from or has been issued a permit pursuant to Part 380 of this Title.

(d) Hazardous waste may not be burned in a crematory unless that crematory is exempt from or has been issued a permit pursuant to Part 373 of this Title.

Condition 45: Stack Testing requirements

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.8

Item 45.1:

This Condition applies to Emission Unit: 1-101WE

Item 45.2:

(a) Each incinerator to be installed in a crematory facility must demonstrate compliance by either (1) onsite testing, or (2) submittal of a test report for an identical incinerator tested in New York and approved by the commissioner.

(b) A test protocol, including the configuration of breaching, stack and test port locations and test methods must be submitted for the commissioner's approval at least 30 days prior to stack testing.

(c) Witnessing of all stack tests by the commissioner's representative is required. Results of any stack test done in the absence of an approved protocol, or which is not witnessed, will not be accepted.

(d) Three copies of the stack test report must be submitted by the permittee to the commissioner within 60 days after completion of the tests, in accordance with Part 202.

Condition 46: Operator training and certification requirements.

Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.10

Item 46.1:

This Condition applies to Emission Unit: 1-101WE



Item 46.2:

(a) This facility may not operate except under the onsite direction of a person possessing an appropriate incinerator operator certification issued by the commissioner.

(b) Persons operating this facility must be certified in writing by the holder of an incinerator operator certification, relative to:

(1) proper operation and maintenance of equipment at that facility; and

(2) knowledge of environmental permit conditions and the impact of plant operation on emissions for that facility.

Condition 47: Inspection and Reporting requirements.
Effective between the dates of 10/21/2010 and 10/20/2013

Applicable State Requirement:6 NYCRR 219-4.11

Item 47.1:

This Condition applies to Emission Unit: 1-101WE

Item 47.2:

Each owner or operator of a permitted crematory facility must annually inspect that facility and submit a report to the commissioner, certifying that the condition and operation of that facility, including the calibration of all instrumentation, meet manufacturer's specifications.

