



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 2-6104-00132/00009  
Mod 0 Effective Date: 06/28/2005 Expiration Date: 06/27/2010  
Mod 1 Effective Date: 05/28/2009 Expiration Date: 06/27/2010

Permit Issued To: STATE UNIVERSITY OF NEW YORK  
STATE UNIVERSITY PLAZA  
381 BROADWAY  
ALBANY, NY 12246

Contact: THOMAS V FARRELL  
SUNY DOWNSTATE MEDICAL CENTER  
450 CLARKSON AVE  
BROOKLYN, NY 11203  
(718) 270-2345

Facility: DOWNSTATE MEDICAL CENTER  
450 CLARKSON AVE  
BROOKLYN, NY 11203-2098

Contact: THOMAS V FARRELL  
SUNY DOWNSTATE MEDICAL CENTER  
450 CLARKSON AVE  
BROOKLYN, NY 11203  
(718) 270-2345

Description:

**PERMIT DESCRIPTION**  
**Downstate Medical Center**  
**DEC ID # 2-6104-00132/00009 (Ren 1 & Mod 1)**

This is a minor Title V modification for replacement of an existing exempt low pressure steam boiler and an existing exempt domestic hot water boiler with one (1) new 10.46 MM Btu/hr dual fuel fired boiler (Emission Source S0007 in Emission Unit 0-U0003). Natural gas (Process NAT) is the primary fuel with #2 fuel oil (Process 2FO) as backup. The existing facility emission caps for NOx and SO2 will not be affected by this modification and would remain unchanged at 225 tpy each. In addition there are no new caps being placed on the proposed new boiler itself. Emissions from the proposed new boiler would be well within the facility's existing NOx and SO2 emission caps.

Based on the emissions calculations and existing emission caps, this proposed Title V modification is classified as minor according to 6 NYCRR



621.4(g)(2)(iii)(2), and is below Part 231 thresholds. In addition, there are no new emission caps associated with the new boiler.

SUNY Downstate Medical Center (also referred to as SUNY Health center), located at 450 Clarkson Avenue in Brooklyn, New York, is a 376-bed renowned teaching hospital. The standard industrial classification codes (SIC) for this facility are 8062 - General Medical and Surgical Hospitals and 82221-Colleges, Universities, Professional Schools, and Junior Colleges. SUNY at Brooklyn operates five (5) boilers which supply steam for the space heating of the building. The steam is produced by five (5) dual fuel Combustion Engineering boilers (Emission Sources S0001, S0002, S0003, S0004 & S0005). Each boiler has a maximum heat input of 42 MM Btu/hr. All five boilers burn both natural gas (Process GAS) and #6 fuel oil (Process OIL). The five boilers are collectively identified as Emission Unit U-00001. Emissions from these five boilers are exhausted through one common stack which is identified as Emission point E0001. Three of the five boilers were constructed on 3/31/1956 and the other two boilers were constructed on 6/1/1963. There are no changes to this emission unit.

The facility also has a 200 lb/hr Environmental crematorium (Emission Source S0006), which processes human cadavers that are generated onsite (Process 002) and is identified as Emission Unit 0-U0002. The crematory uses natural gas as its primary fuel and emissions from the crematorium exhaust through a dedicated circular stack which identified as Emission Point E0002. There are no changes to this emission unit.

Two of the facility's exempt small boilers in the HSEB Nurse's Residence are being replaced by a new non-exempt 10.461 MM Btu/hr dual fuel fired boiler with this permit modification.

The facility operates other sources which are considered exempt from permitting in accordance with 6 NYCRR 201-3.2(c), including one small boiler in the HSEB Nurse's Residence (<10 MM Btu/hr), two (2) internal combustion engines in the Garage University Hospital (<225 bhp), six (6) emergency power generators in the Power Plant University Hospital HSEB (<500 hours/yr), four (4) non-contact water cooling towers and water treatment systems in the University Hospital Basic Science Study Center HSEB, thirteen (13) fuel oil storage tanks in the HSEB University Hospital Basic Science Nurse's Residence (<300,000 bbls), and one hundred and twenty (120) ventilating and exhaust systems for laboratory operations campus-wide. These exempt units remain unchanged.

The new boiler (Emission Source S0007 in Emission Unit 0-U0003) is subject



to NSPS Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The facility will demonstrate compliance with the SO<sub>2</sub> emission standards for the new boiler (Emission Source S0007 in Emission Unit 0-U0003) by the use of the fuel supplier certification for the sulfur content in the #2 distillate oil instead of the use of Continuous Emission Monitoring System (CEMS). The certification from the fuel supplier must include the name of the oil supplier, and a statement from the oil supplier that the oil complied with the specifications under the definition of distillate oil in New York City.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

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

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_



### Notification of Other State Permittee Obligations

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



## **LIST OF CONDITIONS**

### **DEC GENERAL CONDITIONS**

#### **General Provisions**

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
  - Applications for permit renewals, modifications and transfers
  - 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 2 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 2 HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

**Condition 1-1: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6NYCRR 621.11**

**Item 1-1.1:**

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 1-1.2:**

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 1-1.3:**



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

**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 1-2: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-2.1:**

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

**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.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 2 HEADQUARTERS**

**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997

**Condition 1-3: Submission of application for permit modification or renewal-REGION 2**

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

**Item 1-3.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 2 Headquarters  
Division of Environmental Permits  
1 Hunters Point Plaza, 4740 21st Street  
Long Island City, NY 11101-5407  
(718) 482-4997



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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: STATE UNIVERSITY OF NEW YORK  
STATE UNIVERSITY PLAZA  
381 BROADWAY  
ALBANY, NY 12246

Facility: DOWNSTATE MEDICAL CENTER  
450 CLARKSON AVE  
BROOKLYN, NY 11203-2098

Authorized Activity By Standard Industrial Classification Code:  
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS  
8221 - COLLEGES AND UNIVERSITIES, NEC

Mod 0 Permit Effective Date: 06/28/2005

Permit Expiration Date: 06/27/2010

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## LIST OF CONDITIONS

### DEC GENERAL CONDITIONS

#### General Provisions

- Facility Inspection by the Department
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  - 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 2 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 2 HEADQUARTERS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 1-2 6NYCRR 201-6.5(a)(7): Fees
- 1 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 2 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 3 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 4 6NYCRR 201-6.5(e): Compliance Certification
- 5 6NYCRR 202-2.1: Compliance Certification
- 6 6NYCRR 202-2.5: Recordkeeping requirements
- 1-3 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 1-4 6NYCRR 200.7: Maintenance of Equipment
- 1-5 6NYCRR 201-1.7: Recycling and Salvage
- 1-6 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-7 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 1-8 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 1-9 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 1-10 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 1-11 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 1-12 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 1-13 6NYCRR 202-1.1: Required Emissions Tests
- 1-14 6NYCRR 211.3: Visible Emissions Limited
- 7 40CFR 68: Accidental release provisions.
- 8 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 9 6NYCRR 201-6: Emission Unit Definition
- 1-15 6NYCRR 201-7.2: Facility Permissible Emissions
- \*1-16 6NYCRR 201-7.2: Capping Monitoring Condition
- \*1-17 6NYCRR 201-7.2: Capping Monitoring Condition
- 10 6NYCRR 225-1.8: Compliance Certification
- 11 6NYCRR 225.1(a)(3): Compliance Certification

#### Emission Unit Level

- 12 6NYCRR 201-6: Emission Point Definition By Emission Unit



13 6NYCRR 201-6: Process Definition By Emission Unit

**EU=0-U0001**

14 6NYCRR 227-2.4(d): Compliance Certification  
15 6NYCRR 227.2(b)(1): Compliance Certification

**EU=0-U0001,EP=E0001**

16 6NYCRR 227-1.3(a): Compliance Certification

**EU=0-U0003**

1-18 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.  
1-19 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Certification  
1-20 40CFR 60.48c(e)(3), NSPS Subpart Dc: Compliance Certification

**EU=0-U0003,EP=E0003,Proc=2FO**

1-21 40CFR 60.48c(e)(2), NSPS Subpart Dc: Compliance Certification  
1-22 40CFR 60.48c(e)(11), NSPS Subpart Dc: Compliance Certification

**EU=0-U0003,EP=E0003,Proc=2FO,ES=S0007**

1-23 40CFR 60, NSPS Subpart A: Applicability of General Provisions of  
40 CFR 60 Subpart A  
1-24 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to  
this emission source  
1-25 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Certification  
1-26 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.  
1-27 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability.  
1-28 40CFR 60.44c(g), NSPS Subpart Dc: Alternative compliance method  
for sulfur dioxide.  
1-29 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide  
monitoring requirements.  
1-30 40CFR 60.48c(d), NSPS Subpart Dc: Compliance Certification  
1-31 40CFR 60.48c(e)(1), NSPS Subpart Dc: Compliance Certification  
1-32 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification  
1-33 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

17 ECL 19-0301: Contaminant List  
18 6NYCRR 201-1.4: Unavoidable noncompliance and violations  
22 6NYCRR 211.2: Air pollution prohibited

**Emission Unit Level**

**EU=0-U0002,EP=E0002,Proc=002,ES=S0006**

23 6NYCRR 219-4: Compliance Demonstration  
24 6NYCRR 219-4.5(a): Compliance Demonstration  
25 6NYCRR 219-4.5(b): Compliance Demonstration  
26 6NYCRR 219-4.5(b): Compliance Demonstration  
27 6NYCRR 219-4.7: Compliance Demonstration  
28 6NYCRR 219-4.7: Compliance Demonstration  
29 6NYCRR 219-4.11: Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

**Item A: Emergency Defense - 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 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 - 6 NYCRR 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 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 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 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 1-1: Acceptable Ambient Air Quality  
Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 1-1.1:**

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 1-2: Fees  
Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 201-6.5(a)(7)**

**Item 1-2.1:**

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 1: Recordkeeping and reporting of compliance monitoring  
Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 1.1:**

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 2: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)**

**Item 2.1:**

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

**Condition 3: Compliance Certification**

**Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 3.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 3.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to



the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(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.

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.

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 7/30/2005.

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

**Condition 4: Compliance Certification**

**Effective between the dates of 06/28/2005 and 06/27/2010**



**Applicable Federal Requirement:6NYCRR 201-6.5(e)**

**Item 4.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 4.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related 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.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional



office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due on the same day each year

**Condition 5: Compliance Certification**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 202-2.1**

**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:

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 6: Recordkeeping requirements**  
**Effective between the dates of 06/28/2005 and 06/27/2010**



**Applicable Federal Requirement:6NYCRR 202-2.5**

**Item 6.1:**

(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 1-3: Open Fires Prohibited at Industrial and Commercial Sites  
Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 215**

**Item 1-3.1:**

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 1-4: Maintenance of Equipment  
Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 200.7**

**Item 1-4.1:**

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 1-5: Recycling and Salvage  
Effective between the dates of 05/28/2009 and 06/27/2010**



**Applicable Federal Requirement:6NYCRR 201-1.7**

**Item 1-5.1:**

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 1-6: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 201-1.8**

**Item 1-6.1:**

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

**Condition 1-7: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

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

**Item 1-7.1:**

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 1-8: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

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

**Item 1-8.1:**

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 1-9: Standard Requirement - Provide Information**  
**Effective between the dates of 05/28/2009 and 06/27/2010**



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

**Item 1-9.1:**

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 1-10: General Condition - Right to Inspect**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

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

**Item 1-10.1:**

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 1-11: Standard Requirements - Progress Reports**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

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

**Item 1-11.1:**

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 1-12: Off Permit Changes**



**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 201-6.5(f)(6)**

**Item 1-12.1:**

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 1-13: Required Emissions Tests**

**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 202-1.1**

**Item 1-13.1:**

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 1-14: Visible Emissions Limited**

**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 211.3**

**Item 1-14.1:**

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 7: Accidental release provisions.**

**Effective between the dates of 06/28/2005 and 06/27/2010**



**Applicable Federal Requirement:40CFR 68**

**Item 7.1:**

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

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

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

**Condition 8: Recycling and Emissions Reduction**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable Federal Requirement:40CFR 82, Subpart F**

**Item 8.1:**

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 9: Emission Unit Definition**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 201-6**

**Item 9.1(From Mod 1):**

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

Emission Unit: 0-U0003

Emission Unit Description:

Emission Unit 0-U0003 consists of a 10.46 MM Btu/hr dual fuel fired boiler (Emission Source S0007) to replace the existing exempt low pressure steam boiler and an existing



exempt domestic hot water boiler. This new boiler will burn natural gas (Process NAT) as the primary fuel and #2 fuel oil (Process 2FO) as a secondary fuel. The flue gases from this new boiler exit through a stack, identified as Emission Point E0003.

Building(s): 1

**Item 9.2(From Mod 0):**

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

Emission Unit: 0-U0001

Emission Unit Description:

Emission Unit 0-U0001 consists of five Combustion Engineering boilers, each with a maximum heat input of 42 MM Btu/hr, identified as Emission Sources S0001, S0002, S0003, S0004 & S0005. These five external combustion boilers operate on dual-fuel, natural gas (Process GAS) and number 6 fuel oil (Process OIL). The flue gases from these boilers exit through a common stack, identified as E0001.

Building(s): 1

**Item 9.3(From Mod 0):**

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

Emission Unit: 0-U0002

Emission Unit Description:

Emission Unit 0-U0002 consists of a 200 lb/hr JK Environmental SP-300 crematorium (Emission Source S0006), which processes cadavers (Process 002). The flue gas from the crematorium exits through a dedicated stack, identified as Emission Point E0002.

Building(s): 1

**Condition 1-15: Facility Permissible Emissions**

**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 201-7.2**

**Item 1-15.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

per year	CAS No: 007446-09-5	(From Mod 1)	PTE: 450,000 pounds
	Name: SULFUR DIOXIDE		
per year	CAS No: 0NY210-00-0	(From Mod 1)	PTE: 450,000 pounds
	Name: OXIDES OF NITROGEN		



**Condition 1-16: Capping Monitoring Condition**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement: 6NYCRR 201-7.2**

**Item 1-16.1:**

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:

40CFR 52-A.21(j)

**Item 1-16.2:**

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

**Item 1-16.3:**

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 1-16.4:**

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

**Item 1-16.5:**

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

**Item 1-16.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-16.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

SUNY Downstate has elected to accept caps to restrict the facility's emissions under the maximum equipment potential



levels. Specifically, SUNY Downstate has elected to restrict emissions of NO<sub>x</sub> and SO<sub>2</sub> to 225 tpy for each of these two pollutants.

SUNY Downstate is proposing to accept a cap on SO<sub>2</sub> emissions to 225 tpy or less. The following formula will be used to calculate the facility's monthly SO<sub>2</sub> emissions, and to demonstrate compliance with this cap on a rolling 12-month basis where the individual monthly SO<sub>2</sub> emissions will be determined from the following equation:

$$Y = ((A \times B) + (C \times D) + (E \times F) + (G \times H) + (I \times J) / 2,000 + (K \times L) / 2,000$$

where

Y = Monthly facility SO<sub>2</sub> emissions;  
 A = the monthly consumption of number 6 and number 4 fuel oil (1,000 gallons);  
 B = 157 x S lbs SO<sub>2</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent);  
 C = the campus consumption of natural gas in all types of units (million cubic feet);  
 D = 0.6 lbs SO<sub>2</sub> / million cubic feet burned (based on EPA's AP-42 emission factors);  
 E = the large (>600 hp) diesel emergency generator consumption of diesel (1,000 gallons);  
 F = 19.5 lbs SO<sub>2</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factors);  
 G = the small (<600 hp) diesel emergency generator consumption of diesel (1,000 gallons);  
 H = 40 lbs SO<sub>2</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factors);  
 I = the crematory cadaver process weight (pounds);  
 J = 3.23 lbs NO<sub>x</sub> / pounds processed (based on EPA's FIRE emission factor);  
 K = the monthly consumption of #2 fuel oil (1,000 gallons); and  
 L = 142 x S lbs SO<sub>2</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factor where S is the sulfur content of the fuel oil in percent).

A rolling 12-month tally will be maintained to ensure compliance with the 225 tpy limit.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 225 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)



Reports due 30 days after the reporting period.  
The initial report is due 1/30/2010.  
Subsequent reports are due every 12 calendar month(s).

**Condition 1-17: Capping Monitoring Condition**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 201-7.2**

**Item 1-17.1:**

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:

6NYCRR 231-2

**Item 1-17.2:**

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

**Item 1-17.3:**

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 1-17.4:**

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

**Item 1-17.5:**

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

**Item 1-17.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 1-17.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

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



## Monitoring Description:

SUNY Downstate has elected to accept caps to restrict the facility's emissions under the maximum equipment potential levels. Specifically, SUNY Downstate has elected to restrict emissions of NO<sub>x</sub> and SO<sub>2</sub> to 225 tpy for each of these two pollutants.

SUNY Downstate is proposing to accept a cap on the NO<sub>x</sub> emissions to 225 tpy or less. The following formula will be used to calculate the facility's monthly NO<sub>x</sub> emissions, and to demonstrate compliance with this cap on a rolling 12-month basis where the individual monthly NO<sub>x</sub> emissions will be determined from the following equation:

$$X = ((A \times B) + (C \times D) + (E \times F) + (G \times H) + (I \times J) + (K \times L) + (M \times N) + (O \times P) / 2,000 + (Q \times R) / 2,000$$

where:

- X = Monthly facility NO<sub>x</sub> emissions (tons);
- A = the monthly consumption of number 6 fuel oil (1,000 gallons);
- B = 75 lbs NO<sub>x</sub> / 1,000 gallons burned (or following DEC's DAR-6 guidance where fuel oil nitrogen content is known);
- C = the monthly total boiler consumption of #4 fuel oil and # 2 fuel oil (1,000 gallons);
- D = 20 lbs NO<sub>x</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factor);
- E = the Power Plant boiler consumption of natural gas (million cubic feet);
- F = 32 lbs NO<sub>x</sub> / million cubic feet burned (based on EPA's AP-42 emission factor for units with low NO<sub>x</sub> burners and flue gas recirculation);
- G = the remaining campus boiler or hot water heater consumption of natural gas (million cubic feet);
- H = 2,345 lbs NO<sub>x</sub> / million cubic feet burned (based on EPA's AP-42 emission factor);
- I = the emergency generator consumption of natural gas (million cubic feet);
- J = 2,345 lbs NO<sub>x</sub> / million cubic feet burned (based on EPA's AP-42 emission factor);
- K = the large (>600 hp) diesel emergency generator consumption of diesel (1,000 gallons);
- L = 441.6 lbs NO<sub>x</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factor);
- M = the small (<600 hp) diesel emergency generator consumption of diesel (1,000 gallons);
- N = 608.6 lbs NO<sub>x</sub> / 1,000 gallons burned (based on EPA's AP-42 emission factor);
- O = the crematory cadaver process weight (pounds);



$P = 3.16 \text{ lbs NO}_x / \text{pounds processed (based on EPA's FIRE emission factor)}$ ;

$Q = \text{S0007 boiler consumption of natural gas (million cubic feet)}$ ; and

$R = 100 \text{ lbs NO}_x / \text{million cubic feet burned (based on EPA's AP-42 emission factor)}$ .

A rolling 12-month tally will be maintained to ensure compliance with the 225 tpy limit.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 225 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2010.

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

**Condition 10: Compliance Certification**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**Item 10.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 10.2:**

Compliance Certification 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: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

**Condition 11: Compliance Certification**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 225.1(a)(3)**

**Item 11.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 11.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall sell, offer for sale, purchase or use any residual oil which has sulfur content greater than 0.30 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.30 percent by weight

Reference Test Method: ASTM Method D4292

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

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

**Condition 12: Emission Point Definition By Emission Unit**



**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 201-6**

**Item 12.1(From Mod 1):**

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

Emission Unit: 0-U0003

Emission Point: E0003

Height (ft.): 80

Diameter (in.): 36

NYTMN (km.): 4501.223

NYTME (km.): 589.3

Building: 1

**Item 12.2(From Mod 0):**

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

Emission Unit: 0-U0001

Emission Point: E0001

Height (ft.): 185

Diameter (in.): 10

NYTMN (km.): 4501.223

NYTME (km.): 589.333

Building: 1

**Item 12.3(From Mod 0):**

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

Emission Unit: 0-U0002

Emission Point: E0002

Height (ft.): 168

Diameter (in.): 24

NYTMN (km.): 4501.223

NYTME (km.): 589.333

Building: 1

**Condition 13: Process Definition By Emission Unit**

**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable Federal Requirement:6NYCRR 201-6**

**Item 13.1(From Mod 1):**

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

Emission Unit: 0-U0003

Process: 2FO

Source Classification Code: 1-03-005-02

Process Description:

Process 2FO consists of the operation of the new dual-fuel external combustion boiler (Emission Source S0007) in Emission Unit 0-U0003, burning #2 fuel oil as the secondary fuel. The flue gases from this new boiler exit through a stack, identified as Emission Point E0003.

Emission Source/Control: S0007 - Combustion

Design Capacity: 10.461 million Btu per hour

**Item 13.2(From Mod 1):**



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

Emission Unit: 0-U0003

Process: NAT

Source Classification Code: 1-03-006-02

Process Description:

Process NAT consists of the operation of the new dual-fuel external combustion boiler (Emission Source S0007) in Emission Unit 0-U0003, burning natural gas as the primary fuel. The flue gases from this new boiler exit through a stack, identified as Emission Point E0003.

Emission Source/Control: S0007 - Combustion

Design Capacity: 10.461 million Btu per hour

**Item 13.3(From Mod 0):**

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

Emission Unit: 0-U0001

Process: GAS

Source Classification Code: 1-03-006-02

Process Description:

Process GAS consists of the operation of five dual-fuel external combustion boilers, Emission Sources S0001, S0002, S0003, S0004 & S0005, burning natural gas, in Emission Unit 0-U0001. The flue gases from these boilers exit through a common stack, identified as Emission Point E0001.

Emission Source/Control: S0001 - Combustion

Design Capacity: 42 million Btu per hour

Emission Source/Control: S0002 - Combustion

Design Capacity: 42 million Btu per hour

Emission Source/Control: S0003 - Combustion

Design Capacity: 42 million Btu per hour

Emission Source/Control: S0004 - Combustion

Design Capacity: 42 million Btu per hour

Emission Source/Control: S0005 - Combustion

Design Capacity: 42 million Btu per hour

**Item 13.4(From Mod 0):**

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

Emission Unit: 0-U0001

Process: OIL

Source Classification Code: 1-03-006-02



Process Description:

Process OIL consists of the operation of five dual-fuel external combustion boilers, Emission Sources S0001, S0002, S0003, S0004 & S0005, burning number 6 fuel oil, in Emission Unit 0-U0001. The flue gases from these boilers exit through a common stack, identified as Emission Point E0001.

Emission Source/Control: S0001 - Combustion  
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0002 - Combustion  
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0003 - Combustion  
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0004 - Combustion  
Design Capacity: 42 million Btu per hour

Emission Source/Control: S0005 - Combustion  
Design Capacity: 42 million Btu per hour

**Item 13.5(From Mod 0):**

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

Emission Unit: 0-U0002

Process: 002

Source Classification Code: 5-01-005-05

Process Description:

Process 002 consists of the operation of a 200 lb/hr crematorium (Emission Source S0006) in Emission Unit 0-U0002, processing cadavers generated on-site. The flue gases from this crematorium exit through a stack, identified as Emission Point E0002.

Emission Source/Control: S0006 - Incinerator

Design Capacity: 200 pounds per hour

Waste Feed Method: MANUAL DIRECT FEED

Waste Type: CREMATORY WASTE (INCLUDING HUMAN AND/OR ANIMAL BODY PARTS AND ASSOCIATED ANIMAL BEDDING) ONLY

**Condition 14: Compliance Certification**

**Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 14.1:**

The Compliance Certification activity will be performed for:



Emission Unit: 0-U0001

Regulated Contaminant(s):

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

**Item 14.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A boiler tune-up shall be performed annually to the five Combustion Engineering boilers, each with a maximum heat input of 42 MM Btu/hr, identified as Emission Sources S0001, S0002, S0003, S0004 & S0005 in Emission Unit 0-U00001. The owner or operator of a small boiler (between 20 and 50 MM Btu/hr) shall maintain a log (in the format acceptable to the Department as in Air Guide 33) containing the following information:

- (1) The date which the equipment was adjusted;
- and
- (2) The name, title, and affiliation of the person who adjusted the equipment.

Annual tune-up maintenance usually includes not only some aspects of daily, weekly, and monthly scheduled maintenance, but also focuses on tests, evaluations and adjustments necessary for efficient combustion. Annual tune-up maintenance requirements must include a tune-up checklist (see Appendix A of Air Guide 33) and written procedures. According to Air Guide 33, the following is a summary list and description of the items/equipments to be cleaned/inspected/repared or have to be adjusted during the annual tune-ups:

- (a) Inspection and cleaning, as necessary, of fireside and waterside surfaces.
- (b) Inspecting, cleaning and/or reconditioning of fuel systems.
- (c) Checking all electrical and combustion control systems.
- (d) Testing of exhaust gases (carbon monoxide, carbon dioxide, etc.) as necessary to calculate combustion efficiency and make necessary adjustments to the combustion control systems.
- (e) Inspection and repair of all valves (relief, safety, hydraulic, pneumatic, etc.)



(f) Inspection and repair of refractories.

(g) Cleaning and inspecting fan housing, blades, and inlet screens.

(h) Cleaning/reconditioning and inspecting the feedwater system.

Reference Test Method: AIR GUIDE 33

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 15: Compliance Certification**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 15.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 15.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Particulate emission limit for a stationary combustion installation firing oil. Once during the term of this permit, the facility shall perform the following:

- 1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.
- 2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and.
- 3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.



4) Facility shall maintain all records of all testing done at this stationary combustion installation for a minimum period of 5 years.

Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.10 pounds per million Btus  
Reference Test Method: EPA RM 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 7/30/2005.  
Subsequent reports are due every 6 calendar month(s).

**Condition 16: Compliance Certification**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 16.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: 0-U0001                      Emission Point: E0001

**Item 16.2:**  
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY  
Upper Permit Limit: 20 percent  
Reference Test Method: Method 9  
Monitoring Frequency: DAILY  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2005.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-18: EPA Region 2 address.**  
**Effective between the dates of 05/28/2009 and 06/27/2010**



**Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A**

**Item 1-18.1:**

This Condition applies to Emission Unit: 0-U0003

**Item 1-18.2:**

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance  
USEPA Region 2  
290 Broadway, 21st Floor  
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

**Condition 1-19: Compliance Certification**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60.44c(h), NSPS Subpart Dc**

**Item 1-19.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003

**Item 1-19.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

THE FACILITY OWNER AND/OR OPERATOR MUST  
DEMONSTRATE COMPLIANCE WITH THE  
REQUIREMENTS OF 40 CFR 60.42c(h).  
FACILITIES DEMONSTRATING COMPLIANCE USING  
THE FUEL SUPPLIER CERTIFICATION, FOR  
SULFUR-IN-FUEL LIMITATIONS (BASED ON A  
PERCENT BY WEIGHT OF SULFUR IN THE FUEL),  
SHALL SUBMIT THE CERTIFICATION IN  
ACCORDANCE WITH THE PROVISIONS OF 40 CFR



60.48c(f)(1), (2), AND (3), AS  
APPLICABLE.

Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 0.5 percent by weight  
Monitoring Frequency: SINGLE OCCURRENCE  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-20: Compliance Certification**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60.48c(e)(3), NSPS Subpart Dc**

**Item 1-20.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003

Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 1-20.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average percent of potential SO<sub>2</sub> emission rate calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

Subsequent reports are due every 3 calendar month(s).

**Condition 1-21: Compliance Certification**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60.48c(e)(2), NSPS Subpart Dc**

**Item 1-21.1:**

The Compliance Certification activity will be performed for:



Emission Unit: 0-U0003  
Process: 2FO

Emission Point: E0003

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.43c shall keep records as required under §60.48c(d) including the following information.

Each 30-day average SO<sub>2</sub> emission rate, or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period in the quarter; reasons for any noncompliance with the emission standards; and a description of corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

Subsequent reports are due every 3 calendar month(s).

**Condition 1-22: Compliance Certification**

**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60.48c(e)(11), NSPS Subpart Dc**

**Item 1-22.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003  
Process: 2FO

Emission Point: E0003

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-22.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep



records as required under §60.48c(d) including the following information.

If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph §60.48c(f)(1)(2) or (3). In addition to records of fuel supplier certification, the semi-annual report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the period.

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 7/30/2009.

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

**Condition 1-23: Applicability of General Provisions of 40 CFR 60 Subpart A Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart A**

**Item 1-23.1:**

This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003  
Process: 2FO Emission Source: S0007

**Item 1-23.2:**

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 1-24: Applicability of this Subpart to this emission source Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60.40c, NSPS Subpart Dc**

**Item 1-24.1:**

This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003  
Process: 2FO Emission Source: S0007

**Item 1-24.2:**

This emission source is subject to the applicable General Provisions of 40 CFR 60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

**Condition 1-25: Compliance Certification Effective between the dates of 05/28/2009 and 06/27/2010**

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





Process: 2FO

Emission Source: S0007

**Item 1-27.2:**

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

**Condition 1-28: Alternative compliance method for sulfur dioxide.  
Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60.44c(g), NSPS Subpart Dc**

**Item 1-28.1:**

This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003  
Process: 2FO Emission Source: S0007

**Item 1-28.2:**

Oil fired facilities demonstrating compliance with the sulfur dioxide standard through sampling and analysis must test every shipment of oil after the initial approval.

**Condition 1-29: Exemption from sulfur dioxide monitoring requirements.  
Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60.46c(e), NSPS Subpart Dc**

**Item 1-29.1:**

This Condition applies to Emission Unit: 0-U0003 Emission Point: E0003  
Process: 2FO Emission Source: S0007

**Item 1-29.2:**

Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

**Condition 1-30: Compliance Certification  
Effective between the dates of 05/28/2009 and 06/27/2010**

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

**Item 1-30.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003 Emission Point: E0003  
Process: 2FO Emission Source: S0007

Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 1-30.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall submit semi-annual reports to the Administrator.

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 7/30/2009.

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

**Condition 1-31: Compliance Certification**  
**Effective between the dates of 05/28/2009 and 06/27/2010**

**Applicable Federal Requirement:40CFR 60.48c(e)(1), NSPS Subpart Dc**

**Item 1-31.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003

Emission Point: E0003

Process: 2FO

Emission Source: S0007

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

**Item 1-31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records as required under §60.48c(d) including the following information.

Calendar dates covered in the reporting period.

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 7/30/2009.

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

**Condition 1-32: Compliance Certification**  
**Effective between the dates of 05/28/2009 and 06/27/2010**



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

**Item 1-32.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003

Emission Point: E0003

Process: 2FO

Emission Source: S0007

**Item 1-32.2:**

Compliance Certification 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.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2009.

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

**Condition 1-33: Compliance Certification**

**Effective between the dates of 05/28/2009 and 06/27/2010**

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

**Item 1-33.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 0-U0003

Emission Point: E0003

Process: 2FO

Emission Source: S0007

**Item 1-33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record, for determining compliance with the NSPS requirements.

**\*\* NOTE\*\*** Records shall be maintained for a minimum of five years to achieve compliance with the requirements of Title V.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

**New York State Department of Environmental Conservation**

**Permit ID: 2-6104-00132/00009**

**Facility DEC ID: 2610400132**



The initial report is due 7/30/2009.

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 17: Contaminant List**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 17.1:**

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 18: Unavoidable noncompliance and violations  
Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable State Requirement:6NYCRR 201-1.4**

Item 18.1:

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 22: Air pollution prohibited**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable State Requirement:6NYCRR 211.2**

**Item 22.1:**

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.

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

**Condition 23: Compliance Demonstration**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable State Requirement:6NYCRR 219-4**

**Item 23.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002	Emission Point: E0002
Process: 002	Emission Source: S0006

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

**Item 23.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The crematory shall be operated and maintained in accordance with the JK Environmental Contractor's Operation and Maintenance Manual for the Model SP-300 incinerator. Operating procedures shall be posted conspicuously in the vicinity of the incinerator and an operational scale shall be available to weigh each charge.

A daily log of the incinerator start-up and shut-down



times, description of waste charged, time and weight of the charge and the operator's name shall be maintained. Incinerator ash shall be stored in closed containers and the incinerator room shall be kept clean. Records of inspections, operation and maintenance shall be kept in an orderly fashion and shall be maintained on site for five years for NYSDEC review.

Manufacturer Name/Model Number: JK ENVIRONMENTAL CONTRACTORS/SP-300

Reference Test Method: KEEP RECORDS

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 7/30/2005.

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

**Condition 24: Compliance Demonstration**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 24.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002

Emission Point: E0002

Process: 002

Emission Source: S0006

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 24.2:**

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 10 percent or greater based upon the six minute average in reference test Method 9 in Appendix a of 40 CFR 60 from any emission source subject to these requirements. The permittee must initially demonstrate compliance with the standards in this Subpart by either (1) on site testing, or (2) submittal of a test report for an identical incinerator tested in New York and approved by the commissioner.

Operators of incinerators that do not utilize a continuous opacity monitor (COM) for the measuring of smoke emissions or that do not have a certified visible emissions evaluator on site shall be required to perform the following:



1) once per day, during daylight hours except during conditions of extreme weather (fog, snow, rain), observe the stack or stacks of all incinerators which are operating, at that time, for any visible emissions (visible emissions do not include steam plumes\*\*),

2) record in a bound log book, 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, the operation of the incinerator shall be evaluated and any errors corrected immediately. If visible emissions greater than zero persist, a Method 9 analysis of the affected emission point(s) shall be conducted by a certified visible emissions evaluator within 2 business days of the initial occurrence. The operator must contact the Regional Air Pollution Control Engineer (for their location) within one business day of performing the Method 9 analysis, during normal business hours (8:00am to 4:00 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.

\*\* 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 down wind of the stack (other than steam).

Process Material: BODIES

Manufacturer Name/Model Number: JK ENVIRONMENTAL / SP-300

Parameter Monitored: OPACITY

Upper Permit Limit: 10.0 percent

Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.



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

**Condition 25: Compliance Demonstration**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 25.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002                      Emission Point: E0002  
Process: 002                                      Emission Source: S0006

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

**Item 25.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person may operate a crematory facility unless the temperature in the secondary chamber described in section 219-4.4 of this Subpart is maintained at all times that waste is being burned.

Process Material: BODIES

Manufacturer Name/Model Number: JK ENVIRONMENTAL COMPANY / SP-300

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1800 degrees Fahrenheit

Reference Test Method: INSTANTANEOUS

Monitoring Frequency: CONTINUOUS

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

**Condition 26: Compliance Demonstration**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

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

**Item 26.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002                      Emission Point: E0002  
Process: 002                                      Emission Source: S0006

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



**Item 26.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person may operate a crematory facility unless the temperature in the primary chamber described in section 219-4.4 of this Subpart is maintained at all times that waste is being burned.

Process Material: BODIES

Manufacturer Name/Model Number: JK ENVIRONMENTAL COMPANY / SP-300

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1400 degrees Fahrenheit

Reference Test Method: INSTANTANEOUS

Monitoring Frequency: CONTINUOUS

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

**Condition 27: Compliance Demonstration**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable State Requirement: 6NYCRR 219-4.7**

**Item 27.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002

Emission Point: E0002

Process: 002

Emission Source: S0006

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 27.2:**

Compliance Demonstration shall include the following monitoring:

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

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 secondary (or last) combustion chamber exit temperature. Temperature charts produced by the continuous monitor/recorder shall demonstrate compliance with the combustion operating



temperature requirements. Any malfunction of the monitor or recorder shall be reported to the NYSDEC within 24 hours of occurrence and corrective action shall be implemented immediately. Records of operation, monitoring, maintenance and repair shall be kept onsite for five years and shall be readily available for NYSDEC review upon request.

Manufacturer Name/Model Number: HONEYWELL UDC2000 MONITOR/HONEYWELL DR4200GP RECORDER

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1800 degrees Fahrenheit

Reference Test Method: INSTANTANEOUS

Monitoring Frequency: CONTINUOUS

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

**Condition 28: Compliance Demonstration**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable State Requirement: 6NYCRR 219-4.7**

**Item 28.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002

Emission Point: E0002

Process: 002

Emission Source: S0006

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 28.2:**

Compliance Demonstration shall include the following monitoring:

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

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 primary combustion chamber exit temperature. Temperature charts produced by the continuous monitor/recorder shall demonstrate compliance with the combustion operating temperature requirements. Any malfunction of the monitor or recorder shall be reported to the NYSDEC within 24 hours of occurrence and corrective action shall be implemented immediately. Records of operation, monitoring,



maintenance and repair shall be kept onsite for five years and shall be readily available for NYSDEC review upon request.

Manufacturer Name/Model Number: HONEYWELL UDC2000 MONITOR/HONEYWELL DR4200GP RECORDER

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1400 degrees Fahrenheit

Reference Test Method: INSTANTANEOUS

Monitoring Frequency: CONTINUOUS

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

**Condition 29: Compliance Demonstration**  
**Effective between the dates of 06/28/2005 and 06/27/2010**

**Applicable State Requirement:6NYCRR 219-4.11**

**Item 29.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-U0002

Emission Point: E0002

Process: 002

Emission Source: S0006

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 29.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Inspection and reporting: 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. Annual inspections shall be conducted by a qualified incinerator service technician. The Operation and Maintenance Manual for the JK Environmental SP-300 incinerator shall be utilized at all times and maintenance and calibration procedures performed shall be recorded. Records shall be kept on site for five years and shall be available for NYSDEC review upon request.

Reference Test Method: KEEP RECORDS

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 12 calendar month(s).

New York State Department of Environmental Conservation

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