

**New York State Department of Environmental Conservation
Facility DEC ID: 2630100650**



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

IDENTIFICATION INFORMATION

PAir State Facility
Permit ID: 2-6301-00650/00001
Mod 0 Effective Date: 04/01/2002 Expiration Date: No expiration date.
Mod 1 Effective Date: 03/18/2004 Expiration Date: No expiration date.

Permit Issued To: ST MICHAELS PROTESTANT EPISCOPAL CHURCH
225 WEST 99TH ST
NEW YORK, NY 10025

Contact: DENNIS WERNER
ST MICHAEL'S CEMETERY
72-02 ASTORIA BLVD
EAST ELMHURST, NY 11370
(718) 278-3240

ST MICHAELS CEMETERY
72-02 ASTORIA BLVD
EAST ELMHURST, NY 11370

Description:
The modification of the permit is initiated due to installation of the Partlow MRC 5000 temperature recording device.

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.

Permi JOHN F CRYAN
DIVISION OF ENVIRONMENTAL PERMITS
ONE HUNTERS POINT PLAZA, 47-40 21ST STREET
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 permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 2

HEADQUARTERS



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

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

Condition 3: Applications for Permit Renewals 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



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transfer of ownership.

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

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ST MICHAELS PROTESTANT EPISCOPAL CHURCH
 225 WEST 99TH ST
 NEW YORK, NY 10025

Facility: ST MICHAELS CEMETERY
 72-02 ASTORIA BLVD
 EAST ELMHURST, NY 11370

Authorized Activity By Standard Industrial Classification Code:
7261 - FUNERAL SERVICE AND CREMATORIES



LIST OF CONDITIONS

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 1 ECL 19-0301: Contaminant List
- 2 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 3 6NYCRR 201-5: Emission Unit Definition
- 4 6NYCRR 211.2: Air pollution prohibited
- 5 6NYCRR 219-4.5(a): Compliance Demonstration

Emission Unit Level

- 6 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 7 6NYCRR 201-5: Process Definition By Emission Unit

EU=A-00001

- 8 6NYCRR 219-4.5(c): Operating Requirements
- 9 6NYCRR 219-4.6: This section describes other wastes that can and can not be burned in a crematory.
- 10 6NYCRR 219-4.9: Data and calculations to be included in each application for a permit to construct a source of contamination for crematories/patholog. incin. facility.
- 11 6NYCRR 219-4.10: Operator training and certification requirements.
- 12 6NYCRR 219-4.11: Inspection and Reporting requirements.

EU=A-00001,Proc=001,ES=00001

- 1-1 6NYCRR 219-4.7(a)(1): Compliance Demonstration
- 1-2 6NYCRR 219-4.7(a)(2): Compliance Demonstration

EU=A-00001,Proc=001,ES=00002

- 1-3 6NYCRR 219-4.7(a)(1): Compliance Demonstration
- 1-4 6NYCRR 219-4.7(a)(2): Compliance Demonstration

EU=A-00001,EP=00001

- 17 6NYCRR 219-4.3: Compliance Demonstration
- 18 6NYCRR 219-4.4: This section describes design requirements for crematories and pathological incinerators.
- 19 6NYCRR 219-4.8: Stack Testing requirements

EU=A-00001,EP=00002

- 20 6NYCRR 219-4.3: Compliance Demonstration
- 21 6NYCRR 219-4.4: This section describes design requirements for crematories and pathological incinerators.
- 22 6NYCRR 219-4.8: Stack Testing requirements

Mod 0 Permit Effective Date: 04/01/2002

Permit Expiration Date: No expiration date.

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Mod 1 Permit Effective Date: 03/18/2004

Permit Expiration Date: No expiration date.



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)

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

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

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

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

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law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 1: Contaminant List
Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: ECL 19-0301

Item 1.1:

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

CAS No: 0NY075-00-0

Name: PARTICULATES

Condition 2: Unavoidable noncompliance and violations
Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 2.1:

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



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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 3: Emission Unit Definition
Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 3.1(From Mod 1):

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

Emission Unit: A-00001

Emission Unit Description:

Two identical multiple chambered gas fired crematories,
each exhausted out to a separate emission point.

Condition 4: Air pollution prohibited
Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 211.2

Item 4.1:

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.



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Condition 5: Compliance Demonstration

Effective between the dates of 04/01/2002 and Permit Expiration Date

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

Item 5.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 5.2:

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 from any emission source subject to these requirements.

Parameter Monitored: OPACITY

Upper Permit Limit: 10.0 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: DAILY

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 6: Emission Point Definition By Emission Unit

Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 6.1(From Mod 0):

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

Emission Unit: A-00001

Emission Point: 00001

Height (ft.): 55

Diameter (in.): 20

NYTMN (km.): 4513.

NYTME (km.): 591.9

Building: 01



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Emission Point: 00002

Height (ft.): 55

Diameter (in.): 20

NYTMN (km.): 4513.

NYTME (km.): 591.9

Building: 01

**Condition 7: Process Definition By Emission Unit
Effective between the dates of 04/01/2002 and Permit Expiration Date**

Applicable State Requirement: 6NYCRR 201-5

Item 7.1(From Mod 1):

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

Emission Unit: A-00001

Process: 001

Source Classification Code: 3-15-021-01

Process Description:

Natural gas fired from 2 crematories each exhausted out
to a separate emission point.

Emission Source/Control: 00001 - Incinerator

Design Capacity: 120 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

Emission Source/Control: 00002 - Incinerator

Design Capacity: 120 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 8: Operating Requirements
Effective between the dates of 04/01/2002 and Permit Expiration Date**

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

Item 8.1:

This Condition applies to Emission Unit: A-00001

Item 8.2:

The commissioner must be notified in writing at least ten days prior to the commencement of operation of the crematory.

**Condition 9: This section describes other wastes that can and can not
be burned in a crematory.
Effective between the dates of 04/01/2002 and Permit Expiration Date**



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Applicable State Requirement: 6NYCRR 219-4.6

Item 9.1:

This Condition applies to Emission Unit: A-00001

Item 9.2:

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

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

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

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

Condition 10: Data and calculations to be included in each application for a permit to construct a source of contamination for crematories/patholog. incin. facility. Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.9

Item 10.1:

This Condition applies to Emission Unit: A-00001

Item 10.2:

(a) **Basic engineering data relative to the waste to be burned, crematory/incinerator design, combustion air, control devices and air cleaning devices; and**

(b) **an impact analysis using procedures acceptable to the commissioner.**

Condition 11: Operator training and certification requirements. Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.10

Item 11.1:

This Condition applies to Emission Unit: A-00001

Item 11.2:

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

(b) Persons operating this facility must be certified in writing by the holder of an incinerator operator



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certification, relative to:

- (1) proper operation and maintenance of equipment at that facility; and
- (2) knowledge of environmental permit conditions and the impact of plant operation on emissions for that facility.

Condition 12: Inspection and Reporting requirements.
Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.11

Item 12.1:

This Condition applies to Emission Unit: A-00001

Item 12.2:

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

Condition 1-1: Compliance Demonstration
Effective between the dates of 03/18/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.7(a)(1)

Item 1-1.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001
Process: 001 Emission Source: 00001

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

Item 1-1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

Continuous monitoring and recording of the primary combustion chamber exit temperature. Temperature sensor should be installed away from the flame and should be connected to its own temperature recorder (linear time lapse type, at least 4" per hour).

Manufacturer Name/Model Number: Partlow MRC 5000
Lower Permit Limit: 1400 degrees Fahrenheit



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Reference Test Method: Temperature Sensor
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 04/30/2004 for the period 03/18/2004 through 03/31/2004

Condition 1-2: Compliance Demonstration
Effective between the dates of 03/18/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.7(a)(2)

Item 1-2.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001
Process: 001 Emission Source: 00001

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

Item 1-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous monitoring and recording of the secondary combustion chamber exit temperature. Temperature sensor should be installed away from the flame and should be connected to its own temperature recorder (linear time lapse type, at least 4" per hour). 1800 degrees Fahrenheit for at least one second for a residence time.

Manufacturer Name/Model Number: Partlow MRC 5000

Lower Permit Limit: 1800 degrees Fahrenheit for at least one second for residence time

Reference Test Method: Temperature Sensor

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/30/2004 for the period 03/18/2004 through 03/31/2004

Condition 1-3: Compliance Demonstration
Effective between the dates of 03/18/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.7(a)(1)

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Item 1-3.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001

Process: 001

Emission Source: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous monitoring and recording of the primary combustion chamber exit temperature. Temperature sensor should be installed away from the flame and should be connected to its own temperature recorder (linear time lapse type, at least 4" per hour).

Manufacturer Name/Model Number: Partlow MRC 5000

Lower Permit Limit: 1400 degrees Fahrenheit

Reference Test Method: Temperature Sensor

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/30/2004 for the period 03/18/2004 through 03/31/2004

Condition 1-4: Compliance Demonstration

Effective between the dates of 03/18/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.7(a)(2)

Item 1-4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001

Process: 001

Emission Source: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-4.2:

Compliance Demonstration shall include the following monitoring:



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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous monitoring and recording of the secondary combustion chamber exit temperature. Temperature sensor should be installed away from the flame and should be connected to its own temperature recorder (linear time lapse type, at least 4" per hour). 1800 degrees Fahrenheit for at least one second for a residence time.

Manufacturer Name/Model Number: Partlow MRC 5000

Lower Permit Limit: 1800 degrees Fahrenheit for at least one second for residence time

Reference Test Method: Temperature sensor

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 04/30/2004 for the period 03/18/2004 through 03/31/2004

Condition 17: Compliance Demonstration
Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.3

Item 17.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.08 grains per dry standard cubic



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foot (corrected to 7% O₂)

Reference Test Method: EPA Ref Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 18: This section describes design requirements for crematories and pathological incinerators. Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.4

Item 18.1:

This Condition applies to Emission Unit: A-00001 Emission Point: 00001

Item 18.2:

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

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

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

Condition 19: Stack Testing requirements Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.8

Item 19.1:

This Condition applies to Emission Unit: A-00001 Emission Point: 00001

Item 19.2:

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

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

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



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

Condition 20: Compliance Demonstration

Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.3

Item 20.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: A-00001 Emission Point: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 20.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: PARTICULATES

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

Reference Test Method: EPA Ref Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 21: This section describes design requirements for crematories and pathological incinerators.

Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.4

Item 21.1:

This Condition applies to Emission Unit: A-00001 Emission Point: 00002



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Item 21.2:

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

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

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

Condition 22: Stack Testing requirements

Effective between the dates of 04/01/2002 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-4.8

Item 22.1:

This Condition applies to Emission Unit: A-00001 Emission Point: 00002

Item 22.2:

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

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

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

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