

New York State Department of Environmental Conservation
Facility DEC ID: 1472000647



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 1-4720-00647/00007
Effective Date: 01/03/2003 Expiration Date: 01/02/2008

Permit Issued To: STEIN & GIANNOTT MEDICAL WASTE INC
95 EADS ST
WEST BABYLON, NY 11704-1105

Contact: MICHAEL GIANNOTT
STEIN & GIANNOTT INC
95 EADS STREET
WEST BABYLON, NY 11704
(631) 777-7544

Facility: STEIN & GIANNOTT MED WASTE INCINERATOR
91 EADS ST.
WEST BABYLON, NY 11704

Contact: MICHAEL GIANNOTT
STEIN & GIANNOTT INC
95 EADS STREET
WEST BABYLON, NY 11704
(631) 777-7544

Description:

NATURE OF THE BUSINESS AT THE FACILITY:

Stein & Giannott Inc., located in West Babylon, New York comprises of two medical waste incinerators used to burn commercial regulated medical wastes (RMW). Each unit incinerates approximately 22 tons of waste per day. The wastes are transported to the facility from brokers and transporters.
(Primary SIC) - 4953

TYPE OF EQUIPMENT AND OPERATION OF THE FACILITY:

The two incinerators employed are identical units manufactured by U.S. Waste System, Inc. (Model 2000) and installed in 1985. Each incinerator is a dual chamber controlled air unit with nominal design capacity of 2,500 pounds per hour. The incinerators have been upgraded by Simonds Manufacturing Corporation in 1995 and 2001. The incinerators fire natural gas to initiate combustion of RMW and to maintain the required combustion temperatures.

The air pollution control equipment consists of two identical dry sorbent (lime) injections followed by fabric filter baghouses. During normal operation, incinerator exhaust gases pass through the emission control system and are discharged to atmosphere through identical 24-inch inside diameter (ID) stacks approximately 42 feet above grade. During emergency bypass conditions, uncontrolled emissions are discharged through 30-inch ID bypass stacks, approximately 42 feet above grade. The facility is

New York State Department of Environmental Conservation
Facility DEC ID: 1472000647



equipped with emergency generators.

Each incinerator is also equipped with continuous emission monitoring system (CEMS) which included dual range carbon monoxide analyzers, oxygen analyzers, opacity monitors and combustion and stack temperature monitoring thermocouples. The outputs from each CEMS are sent to a programmable logic controller (PLC) based data acquisition system (DAS). The PLC calculates, stores, and transmits the data to a 500 MHz personal computer which processes, records and prints and permanently stores the emissions data.

AIR PERMIT APPLICABILITY:

This Title V permit includes conditions from the original Air Permit issued in 1995 for the two incinerators based on 6NYCRR Part 201 - Permits and Part 219-3 - Infectious Waste Incinerator Facilities. Based on Compliance Schedule included in this permit, the facility will be subjected to federal regulation 40 CFR 60, Subpart Ce - Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators. Currently, the facility is operated under a Consent Order No. R1-000080, executed on February 9, 2001 to retrofit the CEMS, DAS, to eliminate fugitive smoke emissions and comply with all air permit requirements.

OCCURRENCE OF CAPPING

None

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

Permit Administrator: ROGER EVANS
 DIVISION OF ENVIRONMENTAL PERMITS
 SUNY CAMPUS, LOOP ROAD, BUILDING 40
 STONY BROOK, NY 11790-2356

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 1

HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

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.

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. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

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

Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 1 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 1 Headquarters
Division of Environmental Permits
SUNY Campus, Loop Road, Building 40
Stony Brook, NY 11790-2356
(631) 444-0365



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: STEIN & GIANNOTT MEDICAL WASTE INC

95 EADS ST

WEST BABYLON, NY 11704-1105

Contact: MICHAEL GIANNOTT

STEIN & GIANNOTT INC

95 EADS STREET

WEST BABYLON, NY 11704

(631) 777-7544

Facility:

STEIN & GIANNOTT MED WASTE INCINERATOR

91 EADS ST.

WEST BABYLON, NY 11704

Contact: MICHAEL GIANNOTT

STEIN & GIANNOTT INC

95 EADS STREET

WEST BABYLON, NY 11704

(631) 777-7544

Authorized Activity By Standard Industrial



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 Sealing
- 2 Compliance Certification
- 3 Maintenance of equipment
- 4 Emergency Defense
- 5 Recycling and Salvage
- 6 Prohibition of Reintroduction of Collected Contaminants to the Air
- 7 Public Access to Recordkeeping for Title V facilities
- 8 Proof of Eligibility
- 9 Proof of Eligibility
- 10 Applicable Criteria, Limits, Terms, Conditions and Standards
- 11 Cessation or Reduction of Permitted Activity Not a Defense
- 12 Compliance Requirements
- 13 Federally-Enforceable Requirements
- 14 Fees
- 15 Monitoring, Related Recordkeeping and Reporting Requirements
- 16 Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
- 17 Permit Shield
- 18 Property Rights
- 19 Reopening for Cause
- 20 Right to Inspect
- 21 Severability
- 22 Emission Unit Definition
- 23 Compliance Certification
- 24 Compliance Certification
- 25 Permit Exclusion Provisions
- 26 Required emissions tests
- 27 Compliance Certification
- 28 Recordkeeping requirements
- 29 Compliance Certification
- 30 Compliance Certification
- 31 Open Fires Prohibited at Industrial and Commercial Sites
- 32 Compliance Certification
- 33 Compliance Certification
- 34 Recycling and Emissions Reduction

Emission Unit Level

- 35 Emission Point Definition By Emission Unit
- 36 Process Definition By Emission Unit
- 37 Compliance Demonstration
- 38 Compliance Plan (EU=U-INCIN)
- 39 Applicability of General Provisions of 40 CFR 60 Subpart A



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

- 40 Excess emissions report.
- 41 Compliance with Standards and Maintenance Requirements
- 42 Monitoring requirements.
- 43 Compliance Certification (EU=U-INCIN)
- 44 Compliance Certification (EU=U-INCIN)
- 45 Compliance Certification (EU=U-INCIN)
- 46 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 47 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 48 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 49 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 50 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 51 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 52 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 53 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 54 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 55 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 56 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 57 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 58 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 59 Operator Training
- 60 Compliance Certification (EU=U-INCIN,Proc=RMW)
- 61 Annual Source Performance Tests for large, medium, and small HMIWI facilities (not subject to Section 60.33e(b))
- 62 Reporting & Recordkeeping for large, medium, & small HMIWI (not subject to Section 60.33e(b)) equipped with a dry scrubber followed by a fabric filter

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 63 Unavoidable noncompliance and violations
- 64 General Provisions
- 65 Permit Exclusion Provisions
- 66 Air pollution prohibited
- 67 Compliance Demonstration

Emission Unit Level

- 68 Compliance Demonstration
- 69 Compliance Demonstration
- 70 Compliance Demonstration
- 71 Compliance Demonstration
- 72 Compliance Demonstration
- 73 Compliance Demonstration
- 74 Compliance Demonstration
- 75 Compliance Demonstration
- 76 Compliance Demonstration
- 77 Compliance Demonstration
- 78 Compliance Demonstration
- 79 Compliance Demonstration
- 80 Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

- 81 Stack testing requirements.
- 82 Compliance Demonstration
- 83 Compliance Demonstration
- 84 Compliance Demonstration
- 85 Compliance Demonstration
- 86 Compliance Demonstration
- 87 Compliance Demonstration
- 88 Compliance Demonstration
- 89 Compliance Demonstration
- 90 Compliance Demonstration
- 91 Compliance Demonstration
- 92 Compliance Demonstration
- 93 Compliance Demonstration
- 94 Compliance Demonstration
- 95 Compliance Demonstration
- 96 Compliance Demonstration

Classification Code:

4953 - REFUSE SYSTEMS

Permit Effective Date: 01/03/2003

Permit Expiration Date: 01/02/2008



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

FEDERALLY ENFORCEABLE CONDITIONS

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

Condition 1: Sealing

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 200.5

Item 1.1:

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

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

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

Condition 2: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 200.6

Item 2.1:

The Compliance Certification activity will be performed for the Facility.

Item 2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BYPASS STACK CAP OPERATION

Bypass stack opening is only allowed during an emergency situation to prevent loss of life, personal injury, or severe property damage. Emergency situation is defined as a sudden power failure causing loss of Induced Draft (ID) fan and combustor units becoming positive, ID fan drive-belt failure, explosion within the primary chamber, loss of plant air, low boiler water and as a results, an uncontrollable temperature surge which needs the



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

protection of baghouse.

The facility must strictly adhere to the Bypass Management Plan dated February 2000 and the Air Quality Impact Analysis dated October 1999 (with subsequent revisions thereto) for the short term impacts from the Bypass Stack Operation mode. The duration of Bypass cap is restricted to 10 minutes for failure of power supply and 35 minute if the problem is drive-belts related. During this period, emergency power supply must be restored and DEC notified via telephone and a written notification within two business days.

The Department reserves the right to cease the facility operation if excessive use of bypass stack is observed unless a corrective action plan is implemented.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 3: Maintenance of equipment
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 200.7

Item 3.1:

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

Condition 4: Emergency Defense
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-1.5

Item 4.1:

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



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

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.

Condition 5: Recycling and Salvage
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 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 6 NYCRR.

Condition 6: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 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 7: Public Access to Recordkeeping for Title V facilities
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-1.10(b)

Item 7.1:

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.

Condition 8: Proof of Eligibility



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Effective between the dates of 01/03/2003 and 01/02/2008

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

Item 8.1:

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

Condition 9: Proof of Eligibility

Effective between the dates of 01/03/2003 and 01/02/2008

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

Item 9.1:

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

Condition 10: Applicable Criteria, Limits, Terms, Conditions and Standards

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 10.1:

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

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Item 10.2:

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**Condition 11: Cessation or Reduction of Permitted Activity Not a Defense
Effective between the dates of 01/03/2003 and 01/02/2008**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 11.1:

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.

**Condition 12: Compliance Requirements
Effective between the dates of 01/03/2003 and 01/02/2008**

Applicable Federal Requirement: 6NYCRR 201-6.

Item 12.1:

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 the responsible official, consistent with Section 201-6.3 of Part 201.

Item 12.2:

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

Item 12.3:

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. 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 13: Federally-Enforceable Requirements
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 13.1:

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.

Condition 14: Fees
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 14.1:

The permittee shall pay the required fees associated with this permit.

Condition 15: Monitoring, Related Recordkeeping and Reporting Requirements
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 15.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, 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 16: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
Effective between the dates of 01/03/2003 and 01/02/2008

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Applicable Federal Requirement: 6NYCRR 201-6.

Item 16.1:

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 relieve the permittee from the requirement to comply with any condition contained in this permit.

The permittee 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. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Condition 17: Permit Shield

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 17.1:

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield. For those facilities for which a permit shield has been granted, 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.

Condition 18: Property Rights

Effective between the dates of 01/03/2003 and 01/02/2008

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Applicable Federal Requirement: 6NYCRR 201-6.

Item 18.1:

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

Condition 19: Reopening for Cause

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 19.1:

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.

Item 19.2:

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.

Item 19.3:

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.

Condition 20: Right to Inspect

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 20.1:

Upon presentation of credentials and other documents, as may be required by law, the permittee shall



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted facility 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 facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 21: Severability

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 21.1:

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.

Condition 22: Emission Unit Definition

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 22.1:

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

Emission Unit: U-INCIN

Emission Unit Description:

This Emission Unit comprises of two medical waste incinerators used to burn commercial regulated medical wastes. Each Incinerator is a dual chamber system which consist of primary and secondary (afterburner) chambers. The incinerators were manufactured by U.S. Waste System, Inc. (Model 2000) and installed in 1985, and were updated by Simonds Manufacturing Corporation in 1995 and 2001. Maximum designed capacity for each unit is 2,500 pounds of waste per hour. Each unit incinerates approximately 22 tons of waste per day. The incinerator burners fire natural gas to initiate combustion of regulated medical wastes and to maintain the required combustion temperatures.

Refuse is fed manually into the feed hopper, with charging of incinerator performed automatically at 7-minute intervals. Bottom ash is removed continuously by an

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



automatic (wet) drag chain conveyor system.

The air pollution control equipment consists of two identical dry sorbent (lime) injection followed by fabric filter baghouses. Based on a revised Control Plan dated October 7, 2002, to achieve compliance with the Federal Emission Guidelines at 40 CFR 60 Subpart Ce for mercury and dioxin/furans, the facility owner/operator shall implement injection of a carbon-lime mixed sorbent comprising of 95% hydrated lime and 5% activated lignite utilizing the existing lime injection system.

During normal operations, exhaust gases from each incinerator pass through a heat recovery boiler and economizer manufactured by Superior Boiler Works, Inc.; each boiler generates 10,500 lb/hr steam. The steam from both boilers is combined in a common header and transported to a single steam condenser manufactured by Kentube Engineered Products, LLC. Exhaust gases pass through the emission control system and are discharged to atmosphere through identical 24-inch inside diameter (ID) stacks approximately 42 feet above grade. During emergency bypass conditions, uncontrolled emissions are discharged through 30-inch ID bypass stacks, approximately 42 feet above grade. The facility is also equipped with emergency generators.

Each incinerator is also equipped with dual range carbon monoxide analyzers, double pass continuous opacity monitors, both manufactured by Thermo Environmental Instruments (Model 48), and electrochemical oxygen analyzers made by Ametek Thermox series 2000. The outputs from these continuous emission monitoring systems are sent to CEMLink 4 PLC based data acquisition system (DAS). The PLC calculates, stores, and transmits the data to a 500 MHZ personal computer which processes, records and prints and permanently stores the emissions data.

Building(s): 1

Condition 23: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

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

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Item 23.2:

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 or a toxic 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



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If any of the above conditions 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) through (4) 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 paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. 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.

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.

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 24: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

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

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

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

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



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 Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

NYSDEC
SUNY Campus
Building 40
Stony Brook, NY 11790-2356

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

Subsequent reports are due on the same day each year

Condition 25: Permit Exclusion Provisions
Effective between the dates of 01/03/2003 and 01/02/2008

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

Item 25.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 26: Required emissions tests
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 26.1:

An acceptable report of measured emissions shall be submitted, as may be required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Condition 27: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: 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 28: Recordkeeping requirements
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 28.1:

(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 29: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 211.3

Item 29.1:

The Compliance Certification activity will be performed for the Facility.



Item 29.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - weather condition
 - was a plume observed?

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

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

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

Parameter Monitored: OPACITY

Upper Permit Limit: 57 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: ONE CONTINUOUS 6-MINUTE PERIOD PER HOUR

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 211.3

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 31: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 01/03/2003 and 01/02/2008**

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Applicable Federal Requirement: 6NYCRR 215.

Item 31.1:

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

Condition 32: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.37e, NSPS Subpart Ce

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN Emission Point: 00001

Process: RMW

Emission Unit: U-INCIN Emission Point: 00002

Process: RMW

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

These Emission Points and the process are required to conduct a compliance and performance testing in accordance with the revised Control Plan ("Plan") dated October 7, 2002 and as approved with the terms and conditions by the Department in correspondence dated October 31, 2002 within the deadline provided by the Department.

The appropriate maximum and minimum operating parameters for each control system, as indicated in Table 3 of 40 CFR 60.56c(d), as site specific operating parameters during the above stated performance testing to determine compliance with the emission limits must be established for each emission point, on or before the deadline provided by the Department. These operating parameters include the following:

1. Maximum charging rate, based on 110 percent of the lowest 3-hour average charge rate measured during the most recent performance test demonstrating compliance with all applicable emission limits of the Subpart Ce.

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



2. Maximum fabric filter inlet temperature, based on 110 percent of the lowest 3-hour average temperature (taken, at a minimum once every minute) measured during the most recent performance test demonstrating compliance with dioxin/furan emission limit.
3. Maximum flue gas temperature, based on 110 percent of the lowest 3-hour average temperature at the outlet from the fabric filter (taken, at a minimum once every minute) measured during the most recent performance test demonstrating compliance with mercury (Hg) emission limit.
4. Minimum secondary chamber temperature, based on 90 percent of the highest 3-hour average secondary temperature (taken, at a minimum once every minute) measured during the most recent performance test demonstrating compliance with PM, CO, or dioxin/furan emission limits.
5. Minimum hydrogen chloride (HCL) / mercury (Hg) / dioxin/furan sorbent flow rate based on 90 percent of the highest 3-hour average HCL sorbent flow rate (taken, at a minimum once every hour) measured during the most recent performance test demonstrating compliance with HCL emission limit.

Such operating parameters must be submitted to the regional air pollution control engineer (RAPCE) in the regional office.

The address for the RAPCE is as follows:

NYSDEC
SUNY Campus
Building 40
Stony Brook, NY 11790-2356

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 33: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.37e, NSPS Subpart Ce



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-INCIN Emission Point: 00001
Process: RMW

Emission Unit: U-INCIN Emission Point: 00002
Process: RMW

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance & Performance Tests for large, medium, and small HMIWI (not subject to Section 60.33e(b)) with a dry scrubber followed by a fabric filter.

The owner or operator of a facility equipped with a dry scrubber followed by a fabric filter shall:

(1) Conduct facility compliance and performance testing in accordance with 40 CFR 60.37e, NSPS Subpart Ce. A performance test sampling protocol which meets the requirements of 60.56c(b)(1) through 60.56c(b)(12) must be submitted to the Regional Air Pollution Control Engineer 30 days prior to sampling for Department review and approval. The protocol must address all contaminant sampling necessary to evaluate cumulative facility emissions, determine compliance with point source emission limits, and evaluate toxic impacts.

(2) Establish the appropriate maximum and minimum operating parameters for each control system, as indicated in Table 3 of 40 CFR 60.56c(d), as site specific operating parameters during the initial performance test to determine compliance with the emission limits; and

(3) Following the date on which the initial performance test is completed or is required to be completed under § 60.8, whichever date comes first, ensure that the facility does not operate above any of the applicable maximum operating parameters or below any of the applicable minimum operating parameters listed in Table 3 of 40 CFR 60.56c(d) and measured as 3-hour rolling averages (calculated each hour as the average of the previous 3 operating hours) at all times except during periods of

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



startup, shutdown and malfunction. Operating parameter limits do not apply during performance tests. Operation above the established maximum or below the established minimum operating parameter(s) shall constitute a violation of established operating parameter(s).

(4) Operation of the facility above the maximum charge rate and below the minimum secondary chamber temperature (each measured on a 3-hour rolling average) simultaneously shall constitute a violation of the CO emission limit, unless otherwise the facility is using a CEMS to demonstrate compliance.

(5) Operation of the facility above the maximum fabric filter inlet temperature, above the maximum charge rate, and below the minimum dioxin/furan sorbent flow rate (each measured on a 3-hour rolling average) simultaneously shall constitute a violation of the dioxin/furan emission limit.

(6) Operation of the facility above the maximum charge rate and below the minimum HCl sorbent flow rate (each measured on a 3-hour rolling average) simultaneously shall constitute a violation of the HCl emission limit.

(7) Operation of the facility above the maximum charge rate and below the minimum Hg sorbent flow rate (each measured on a 3-hour rolling average) simultaneously shall constitute a violation of the Hg emission limit.

(8) Use of the bypass stack (except during startup, shutdown, or malfunction) shall constitute a violation of the PM, dioxin/furan, HCl, Pb, Cd and Hg emission limits.

(9) The owner or operator of a facility may conduct a repeat performance test within 30 days of violation of applicable operating parameter(s) to demonstrate that the facility is not in violation of the applicable emission limit(s). Repeat performance tests conducted pursuant to this paragraph shall be conducted using the identical operating parameters that indicated a violation under paragraphs (4), (5), (6), (7) or (8) of this condition.

(10) The owner or operator of a facility may conduct a repeat performance test at any time to establish new values for the operating parameters. The Administrator

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



may request a repeat performance test at any time.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 34: Recycling and Emissions Reduction
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 34.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

Condition 35: Emission Point Definition By Emission Unit
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 35.1:

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

Emission Unit: U-INCIN

Emission Point: 00001

Height (ft.): 42 Diameter (in.): 24
NYTMN (km.): 4510. NYTME (km.): 636. Building: 1

Emission Point: 00002

Height (ft.): 42 Diameter (in.): 24
NYTMN (km.): 4510. NYTME (km.): 636. Building: 1

Condition 36: Process Definition By Emission Unit
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 6NYCRR 201-6.

Item 36.1:

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

Emission Unit: U-INCIN

Process: RMW

Source Classification Code: 5-02-005-04

Process Description:

Incineration of nonradioactive regulated medical waste in
one of the two dual-chamber controlled air incinerators,

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



each equipped with dry lime injection system and baghouse dust collectors. Emissions are exhausted to the atmosphere through a roof-mounted stack identified by emission points 00001 and 00002. Emission limits as indicated in this permit are applicable to each emission point.

Each lime injection system is an active bottom lime silo which feeds into vibrating screw hopper and blower that injects lime into baghouse, and a digital read out of the amount lime present in the hopper. Each baghouse is a pulse jet type. The flue gas from the incinerator passes through a waste heat recovery boiler prior to entering the baghouse.

Based on a revised Control Plan dated October 7, 2002, to achieve compliance with the Federal Emission Guidelines at 40 CFR 60 Subpart Ce for mercury and dioxin/furans, the facility owner/operator shall implement injection of a carbon-lime mixed sorbent comprising of 95% hydrated lime and 5% activated lignite utilizing the existing lime injection system.

Emission Source/Control: 0001A - Control
Control Type: DRY LIME INJECTION

Emission Source/Control: 0001B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00001 - Incinerator
Design Capacity: 2,500 pounds per hour
Waste Feed Method: MANUAL DIRECT FEED
Waste Type: INFECTIOUS WASTE ONLY

Emission Source/Control: 0001C - Process

Item 36.2:

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

Emission Unit: U-INCIN

Process: STS

Source Classification Code: 5-02-900-06

Process Description:

Natural gas fired in the ignition burners located at the primary and secondary chambers of each regulated medical waste incinerators during start-up, shut down, malfunction and to maintain the minimum temperature required in the primary and secondary combustion zones.

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Each incinerator is equipped with two natural gas fired auxiliary burners. One burner is located in the primary chamber and is rated at 4 MMBtu/hr. The burner is used to preheat the refractory and to initiate waste combustion. When temperatures in the primary reach 1400 deg. F, thermostatic controls shut off the burner. The second burner, located in the secondary chamber, is rated at 6 MMBtu/hr. This burner is used to ensure complete combustion of gases exiting the primary chamber and is also thermostatically controlled. The firing rate of this burner is modulated from 100% to 5% as the secondary combustion chamber temperature increases from 1800 deg. F (or less) to 1900 deg. F (the burner shuts off if the temperature exceeds 1900 deg. F). Normal operating temperatures in the primary chamber are in the range of 1400 deg. F to 1650 deg. F with 1800 deg. F to 2150 deg. F typical for the secondary chamber.

Emission Source/Control: 0002A - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0002B - Control
Control Type: DRY LIME INJECTION

Emission Source/Control: 00002 - Incinerator
Design Capacity: 2,500 pounds per hour
Waste Feed Method: MANUAL DIRECT FEED
Waste Type: INFECTIOUS WASTE ONLY

Emission Source/Control: 0002C - Process

Condition 37: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: ECL 19-0305.

Item 37.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Item 37.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

COMPLIANCE PLAN:

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



1. Effective immediately, the permittee must ensure that there is no escape of fugitive smoke emissions, and that all exhaust gases pass through the air pollution control equipment including the incinerator combustion chambers and main stack. This must include but is not limited to total enclosure of the guillotine doors, suspension of the underfire air injection while the guillotine door is opened for waste charging, and a lag time between ash plow movement and the guillotine door opening.

2. Effective immediately, the permittee must implement the following operational procedures for good combustion practice:

1) No waste shall be charged whenever the average rolling hourly Carbon Monoxide (CO) exceeds 70 parts per million (ppm) corrected to 7% oxygen. A waste-charging log must be maintained to indicate the CO rolling average and the duration the waste not being charged.

2) The owner/operator shall identify and isolate wastes that cause elevated CO emissions. The isolated wastes can be charged separately provided that close monitoring of CO emissions is conducted to ensure the rolling hourly average does not exceed 70 ppm corrected to 7% oxygen. A record of such waste loading must be maintained in the plant logbook.

3) The facility owner/operator shall inform the waste generator/transporter in writing, of the above wastes causing elevated CO emissions that such waste will not be acceptable for combustion at this facility. A copy of this notification shall be submitted to the Department.

4) The Flame port of each combustor must be inspected including photos taken during any outage to ensure the structural integrity of this feature. Repair work must be initiated immediately if such is found to be deteriorating.

3. Effective immediately, the permittee shall adhere to all air permit requirements including but is not limited to the running hourly average of carbon monoxide, six-minute block average of opacity, primary and secondary temperatures, inlet and exit temperature of baghouses, continuous monitoring of lime injection, maintain and operate the continuous emission monitoring system (CEMS)

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



for CO and Oxygen and the associated Data Acquisition System (DAS) software in accordance with 40CFR60, compliance and certification testing and submissions of all required reports as delineated in the Title V Permit.

The Department will take immediate enforcement action in the form of an agreed stipulated penalty for each exceedance or violation that is considered avoidable at the discretion of the Commissioner.

4. The permittee must maintain an account to fund a "full-time" Environmental Monitor to monitor air and solid waste management facilities and/or activities of the permittee.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 38: Compliance Plan
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: ECL 19-0305.

Item 38.1:

Compliance will be achieved according to the following schedule for the emission units, processes, sources or emission points specified in this permit:

Emission Unit: U-INCIN

Consent Order: R1-2000080

Progress Report Begin Date: 02/09/2001

Item 38.2:

Remedial Measure:

Schedule Date: 08/10/2001

Effective immediately, eliminate any fugitive smoke emissions and implement good combustion practice as indicated in the Compliance Plan included in the permit.

Condition 39: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 39.1:

This Condition applies to Emission Unit: U-INCIN



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Item 39.2:

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

Condition 40: Excess emissions report.

Effective between the dates of 01/03/2003 and 01/02/2008

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

Item 40.1:

This Condition applies to Emission Unit: U-INCIN

Item 40.2:

Affected owners or operators shall submit an excess emissions report quarterly (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Condition 41: Compliance with Standards and Maintenance Requirements

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.11(d), NSPS Subpart A

Item 41.1:

This Condition applies to Emission Unit: U-INCIN

Item 41.2:

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Condition 42: Monitoring requirements.
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 42.1:

This Condition applies to Emission Unit: U-INCIN

Item 42.2:

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

Condition 43: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.13(d), NSPS Subpart A

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of all continuous emission monitoring systems installed in accordance with the provisions of this part shall check the zero (or low-level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts at least once daily in accordance with a written procedure. The zero and span shall, as a minimum, be adjusted whenever the 24-hour zero drift or 24-hour span drift exceeds two times the limits of the applicable performance specifications in appendix B. The system must allow the amount of excess zero and span drift measured at the 24-hour interval checks to be recorded and quantified, whenever specified. For continuous monitoring systems measuring opacity of emissions, the optical surfaces exposed to the effluent gases shall be cleaned prior to performing the zero and span drift adjustments except that for systems using automatic zero adjustments. The optical surfaces shall be cleaned when the cumulative automatic zero compensation exceeds 4 percent opacity.



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 44: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(c), NSPS Subpart Ce

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The following opacity emission limits apply to a large facility (over 500 pounds per hour maximum charging rate, or maximum design waste burning capacity of the unit) which is using a COM to demonstrate compliance.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: M-9 and/or COM

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HR ROLLING AVG, CALCULATED EA. HR
AS THE AVG OF THE PAST 12 OPERATING
HRS

Reporting Requirements: CONTINUOUS

Condition 45: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.39e, NSPS Subpart Ce

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Item 45.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance Schedule For Implementation of 40 CFR 60, Subpart Ce, Emission Guidelines For Existing Hospital/Medical/Infectious Waste Incinerators (HMIWIs):

Based on a revised Control Plan dated October 7, 2002 and as approved with the terms and conditions by the Department in correspondence dated October 31, 2002, the facility owner/operator shall implement injection of a carbon-lime mixed sorbent comprising of 95% hydrated lime and 5% activated lignite utilizing the existing lime injection system to achieve compliance with the Federal Emission Guidelines at 40 CFR 60 Subpart Ce for mercury and dioxin/furans.

Both Emission Point 00001 and 00002 are required to conduct a compliance and performance testing in accordance with the Plan within the deadline provided by the Department.

Reference Test Method: None

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 46: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following Cadmium emission limits apply to a large facility (over 500 pounds per hour maximum charge rate, or



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

maximum design waste burning capacity of the unit). The Permittee shall meet the less stringent of this limit (concentration), or the 65 percent reduction by weight Cadmium emission limit provided in this permit.

Parameter Monitored: CADMIUM

Upper Permit Limit: 0.16 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 47: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following Cadmium emission limits apply to a large facility (over 500 pounds per hour maximum charge rate, or maximum design waste burning capacity of the unit). The Permittee shall meet the less stringent of this limit (percent reduction), or the concentration Cadmium emission limit provided in this permit.

Parameter Monitored: CADMIUM

Lower Permit Limit: 65.0 percent reduction by weight (corrected to 7% O₂, dry basis)

Reference Test Method: EPA method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Condition 48: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN
Process: RMW

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

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

The following carbon monoxide emission limits apply to a large facility (over 500 pounds per hour maximum charging rate, or maximum design waste burning capacity of the unit) which is using a CEMS to demonstrate compliance.

Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 40.0 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: 40CFR60 App. B PS 4A
Monitoring Frequency: CONTINUOUS
Averaging Method: 12-HR ROLLING AVG, CALCULATED EA. HR
AS THE AVG OF THE PAST 12 OPERATING
HRS

Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN
Process: RMW

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Regulated Contaminant(s):

CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following dioxins/furans (measured as 2,3,7,8 equivalents) emission limits apply to a large facility (over 500 pounds per hour maximum charging rate, or maximum design waste burning capacity of the unit).

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Upper Permit Limit: 2.3 nanograms per dry standard cubic meter (total mass, corrected to 7% O₂)

Reference Test Method: Method 23

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 50: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The sulfur dioxide emission limit for the HMIWI facility is 55 parts per million by volume (corrected to 7 percent oxygen, dry basis).

The facility will be considered to be in continuous



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit . The incinerator operating parameter limits include, but are not limited to:

- maximum waste feed rate to the incinerator.
- sorbent feed rates.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN
Process: RMW

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The nitrogen oxides emission limit for the HMIWI facility is 250 parts per million by volume (corrected to 7 percent oxygen, dry basis).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit . The incinerator operating parameter limits include, but are not limited to:

- maximum waste feed rate to the incinerator.
- flue gas carbon monoxide concentration.
- stack opacity.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Condition 52: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following hydrogen chloride emission limits apply to a large facility (over 500 pounds per hour maximum charging rate, or maximum design waste burning capacity of the unit). The Permittee shall meet the less stringent of this limit (concentration), or the 93 percent reduction by volume Hydrogen Chloride emission limit provided in this permit.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 100.0 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: EPA method 26

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 53: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following hydrogen chloride emission limits apply to a large facility (over 500 pounds per hour maximum charging rate, or maximum design waste burning capacity of the unit). The Permittee shall meet the less stringent of this limit (percent removal), or the concentration Hydrogen Chloride emission limit provided in this permit. Refer to 40 CFR Ec 60.56c(c)(2) for clarification of annual testing requirements.

Parameter Monitored: HYDROGEN CHLORIDE

Lower Permit Limit: 93.0 percent reduction by volume

Reference Test Method: EPA method 26

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 54: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following Lead emission limits apply to a large facility (over 500 pounds per hour maximum charging rate or maximum design waste burning capacity of the unit). The Permittee shall meet the less stringent of this limit



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

(concentration), or the 70 percent reduction by weight
Lead emission limit provided in this permit.

Parameter Monitored: LEAD

Upper Permit Limit: 1.2 milligrams per dry standard
cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 55: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following Lead emission limits apply to a large
facility (over 500 pounds per hour maximum charging rate,
or maximum design waste burning capacity of the unit).

The Permittee shall meet the less stringent of this limit
(percent reduction), or the concentration Lead emission
limit provided in this permit.

Parameter Monitored: LEAD

Lower Permit Limit: 70.0 percent reduction by weight
(corrected to 7% O₂, dry basis)

Reference Test Method: EPA method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 56: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following Mercury emission limits apply to a large facility (over 500 pounds per hour maximum charging rate, or maximum design waste burning capacity of the unit).

The Permittee shall meet the less stringent of this limit (concentration), or the 85 percent reduction by weight Mercury emission limit provided in this permit.

Parameter Monitored: MERCURY

Upper Permit Limit: 0.55 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following Mercury emission limits apply to a large facility (over 500 pounds per hour maximum charging rate, or maximum design waste burning capacity of the unit). The Permittee shall meet the less stringent of this limit (percent reduction), or the concentration Mercury emission limit provided in this permit.

Parameter Monitored: MERCURY

Lower Permit Limit: 85.0 percent reduction by weight
(corrected to 7% O₂, dry basis)

Reference Test Method: EPA method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Compliance Certification
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.33e(a), NSPS Subpart Ce

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The following particulate matter emission limits apply to a large facility (over 500 pounds per hour maximum charging rate, or maximum design waste burning capacity of the unit).

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.015 grains per dry standard cubic
foot (corrected to 7% O₂)



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Reference Test Method: EPA method 5 or 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 59: Operator Training

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.34e, NSPS Subpart Ce

Item 59.1:

This Condition applies to Emission Unit: U-INCIN
Process: RMW

Item 59.2: The facility owner/operator shall not allow the facility to operate at any time unless a fully trained and qualified HMIWI operator is accessible, either at the facility or available within 1 hour. The trained and qualified HMIWI operator may operate the HMIWI directly or be the direct supervisor of one or more HMIWI operators. Operator training and qualification shall be obtained through a Department approved program or by completing the requirements included in paragraphs 60.53c(c) through 60.53c(g) of 40 CFR 60 Ce.

Condition 60: Compliance Certification

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.34e, NSPS Subpart Ce

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-INCIN
Process: RMW

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Owner or Operator of the facility shall maintain documentation at the facility that address the following:

- (1) A summary of the applicable standards under 40 CFR 60, Subpart Ce;
- (2) A description of basic combustion theory applicable to an HMIWI;
- (3) Procedures for receiving, handling and charging

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



- waste;
- (4) HMIWI start up, shutdown, and malfunction procedures;
 - (5) Procedures for maintaining proper combustion air supply levels;
 - (6) Procedures for operating the HMIWI and associated air pollution control systems within the standards established under 40 CFR 60, Subpart Ce;
 - (7) Procedures for responding to periodic malfunction or conditions that may lead to malfunction;
 - (8) Procedures for monitoring HMIWI emissions;
 - (9) Reporting and record keeping procedures; and
 - (10) Procedures for handling ash.

The owner or operator of the facility shall establish a program for reviewing this information annually with each HMIWI operator. The initial review of the information shall be conducted within 6 months after the effective date of this subpart or prior to assumption of responsibilities affecting HMIWI operation, whichever date is later. Subsequent reviews of the information shall be conducted annually.

This information shall be kept in a readily accessible location for all HMIWI operators and, along with records of training, shall be available for inspection by the EPA or by the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 61: Annual Source Performance Tests for large, medium, and small HMIWI facilities (not subject to Section 60.33e(b)) Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.37e, NSPS Subpart Ce

Item 61.1:

This Condition applies to Emission Unit: U-INCIN
Process: RMW

Item 61.2:

Following the date on which the initial performance test is completed or is required to be completed under § 60.8, whichever date comes first, the owner or operator of a facility shall:

- (1) Determine compliance with the opacity limit by conducting an annual performance test (no more than



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

12 months following the previous performance test) using the applicable procedures and test methods listed in Section 60.56c(b).

(2) Determine compliance with the PM, CO, and HCl emission limits by conducting an annual performance test (no more than 12 months following the previous performance test) using the applicable procedures and test methods listed in Section 60.56c(b). If all three performance tests over a 3-year period indicate compliance with the emission limit for a pollutant (PM, CO, or HCl), the owner or operator may forego a performance test for that pollutant for the subsequent 2 years. At a minimum, a performance test for PM, CO, and HCl shall be conducted every third year (no more than 36 months following the previous performance test). If a performance test conducted every third year indicates compliance with the emission limit for a pollutant (PM, CO, or HCl), the owner or operator may forego a performance test for that pollutant for an additional 2 years. If any performance test indicates noncompliance with the respective emission limit, a performance test for that pollutant shall be conducted annually until all annual performance tests over a 3-year period indicate compliance with the emission limit. The use of the bypass stack during a performance test shall invalidate the performance test.

Condition 62: Reporting & Recordkeeping for large, medium, & small HMIWI (not subject to Section 60.33e(b)) equipped with a dry scrubber followed by a fabric filter Effective between the dates of 01/03/2003 and 01/02/2008

Applicable Federal Requirement: 40CFR 60.38e, NSPS Subpart Ce

Item 62.1:

This Condition applies to Emission Unit: U-INCIN
Process: RMW

Item 62.2:

The owner or operator of a facility shall maintain the following information (as applicable) for a period of at least 5 years:

- (1) Calendar date of each record;
- (2) Records of the following data:
 - (a) Concentrations of any pollutant listed in § 60.52c or measurements of opacity as determined by the continuous emission monitoring system (if applicable);
 - (b) HMIWI charge dates, times, and weights and hourly charge rates;
 - (c) Fabric filter inlet temperatures during each minute of operation, as applicable;
 - (d) Amount and type of dioxin/furan sorbent used during each hour of operation, as applicable;
 - (e) Amount and type of Hg sorbent used during each hour of operation, as applicable;
 - (f) Amount and type of HCl sorbent used during each hour of operation, as applicable;
 - (g) Secondary chamber temperatures recorded during each minute of operation; and
 - (h) Records indicating use of the bypass stack, including dates, times, and durations.
- (3) Identification of calendar days for which data on emission rates or operating parameters specified under paragraph (2) of this condition have not been obtained, with an identification of the emission rates



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

or operating parameters not measured, reasons for not obtaining the data, and a description of corrective actions taken.

(4) Identification of calendar days, times and durations of malfunctions, a description of the malfunction and the corrective action taken.

(5) Identification of calendar days for which data on emission rates or operating parameters specified under paragraph (2) of this condition exceeded the applicable limits, with a description of the exceedances, reasons for such exceedances, and a description of corrective actions taken.

(6) The results of the initial, annual, and any subsequent performance tests conducted to determine compliance with the emission limits and/or to establish operating parameters, as applicable.

(7) Records showing the names of HMIWI operators who have completed review of the information in § 60.53c(h) as required by § 60.53c(i), including the date of the initial review and all subsequent annual reviews;

(8) Records showing the names of the HMIWI operators who have completed the operator training requirements, including documentation of training and the dates of the training;

(9) Records showing the names of the HMIWI operators who have met the criteria for qualification under § 60.53c and the dates of their qualification; and

(10) Records of calibration of any monitoring devices as required under § 60.57c(a), (b), and (c).

(11) The owner or operator of a facility shall submit the information specified in paragraphs (11a) through (11c) of this condition no later than 60 days following the initial performance test. All reports shall be signed by the facilities manager.

(a) The initial performance test data as recorded under § 60.56c(b)(1) through (b)(12), as applicable.

(b) The values for the site-specific operating parameters established pursuant to § 60.56c(d) or (i), as applicable.

(c) The waste management plan as specified in § 60.55c.

(12) An annual report shall be submitted 1 year following the submission of the information in paragraph (11) of this condition and subsequent reports shall be submitted no more than 12 months following the previous report (once the unit is subject to permitting requirements under Title V of the Clean Air Act, the owner or operator of an affected facility must submit these reports semiannually). The annual report shall include the information specified in paragraphs (12a) through (12h) of this condition. All reports shall be signed by the facilities manager.

(a) The values for the site-specific operating parameters established pursuant to § 60.56c(d) or (i), as applicable.

(b) The highest maximum operating parameter and the lowest minimum operating parameter, as applicable, for each operating parameter recorded for the calendar year being reported, pursuant to § 60.56c(d) or (i), as applicable.

(c) The highest maximum operating parameter and the lowest minimum operating parameter, as applicable for each operating parameter recorded pursuant to § 60.56c(d) or (i) for the calendar year



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

preceding the year being reported, in order to provide the Administrator with a summary of the performance of the affected facility over a 2-year period.

(d) Any information recorded under paragraphs (3) through (5) of this condition for the calendar year being reported.

(e) Any information recorded under paragraphs (3) through (5) of this condition for the calendar year preceding the year being reported, in order to provide the Administrator with a summary of the performance of the facility over a 2-year period.

(f) If a performance test was conducted during the reporting period, the results of that test.

(g) If no exceedances or malfunctions were reported under paragraphs (3) through (5) of this condition for the calendar year being reported, a statement that no exceedances occurred during the reporting period.

(h) Any use of the bypass stack, the duration, reason for malfunction, and corrective action taken.

(13) The owner or operator of a facility shall submit semiannual reports containing any information recorded under paragraphs (3) through (5) of this condition no later than 60 days following the reporting period. The first semiannual reporting period ends 6 months following the submission of information in paragraph (11) of this condition. Subsequent reports shall be submitted no later than 6 calendar months following the previous report. All reports shall be signed by the facilities manager.

(14) All records specified under paragraphs (1) and (2) of this condition shall be maintained onsite in either paper copy or computer-readable format, unless an alternative format is approved by the Administrator.



STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 63: Unavoidable noncompliance and violations
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 201-1.4

Item 63.1:

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



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

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 64: General Provisions

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 201-5.

Item 64.1:

This section contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 64.2:

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.

Item 64.3:

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.

Condition 65: Permit Exclusion Provisions

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 201-5.

Item 65.1:

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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 by the Department and the receipt thereof by the Applicant does not supersede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 66: Air pollution prohibited
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 211.2

Item 66.1:

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

Condition 67: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.6(a)

Item 67.1:

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

Emission Unit: U-INCIN Emission Point: 00001

Emission Unit: U-INCIN Emission Point: 00002

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

Item 67.2:

Compliance Demonstration shall include the following monitoring:

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



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Emissions from each incinerator shall not equal or exceed a six minute opacity average of 10%. Facility shall maintain and operate a continuous opacity monitor (COM) in accordance with 40CFR60, Performance Specification 1 of Appendix B.

Manufacturer Name/Model Number: Thermo Environmental Instruments Model 400B

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Method 9 / COM

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 0 days after the reporting period.

The initial report is due 3/31/2003.

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

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

Condition 68: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.7

Item 68.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Item 68.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operating Requirements:

1. The total charging rate shall not exceed the pounds per hour (lb/hr) charging rate that is demonstrated as being acceptable to the Commissioner upon review of stack sampling results, and/or a review of revised air quality impact analysis, and/or a review of a revised health risk assessment.

2. The total waste incinerated in a 12 month period shall be limited to a quantity shown by air quality impact analysis to produce acceptable annual ambient impacts. As part of the Annual Report, the facility shall submit a

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



statement showing the total tons incinerated in the previous 12 month period.

3. The quantity of human and animal body parts that may be burned in each incinerator will be limited to the amount tested and found acceptable in the terms of:

- i) not having any recognizable body parts in the ash except for skeletal parts - teeth or bones; and
- ii) not causing any violations of emission standards or operating requirements.

4. This facility shall not burn any radioactive waste unless it is exempt from or has been issued a permit pursuant to 6 NYCRR Part 380.

5. This facility shall not burn any hazardous waste unless it is exempt from or has been issued a permit pursuant to 6 NYCRR Part 373.

6. Facility operation shall not cause a nuisance, nor allow the discharge of air contaminants which cause or contribute to an objectionable odor.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 69: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.8

Item 69.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Item 69.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall maintain a file of all CEMS measurements, including:

- (a) CEMS performance evaluations
- (b) All CEMS or monitoring device calibration checks
- (c) Adjustments and maintenance performed on these systems



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

or devices

(d) All other information required by 40 CFR Part 60, recorded in a permanent form and suitable for inspection.

The file shall be retained for at least five (5) years following the date of such measurements, maintenance, reports, and records.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 70: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.8

Item 70.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Item 70.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall submit a quarterly written report for every calendar year quarter. Copies of the quarterly reports shall be postmarked within thirty (30) days after the end of each calendar quarter and be forwarded to a) the Director, Bureau of Compliance Monitoring and Enforcement, Division of Air Resources, 625 Broadway, 2nd Floor, Albany, NY 12233-3258, and b) the Regional Air Pollution Control Engineer, Building 40, SUNY Campus, Stony Brook, NY 11790-2356. The quarterly reports shall include:

- 1) A summary of excess emissions and CEMS down time reported in a format acceptable to the Department.
- 2) The results of the quarterly monitoring performance audit, reported in the format of 40 CFR 60 Appendix F (or equivalent).
- 3) For carbon monoxide, excess emissions shall be identified if a running hourly average concentration, as measured by the CEMS system, exceeds the corresponding

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



concentration limit set forth in this permit.

4) For the purposes of this permit, excess carbon monoxide emissions indicated by the CEMS, other than start-up or shutdown periods, may be considered violations of the applicable emission limits.

5) For opacity, excess emissions shall be identified if any six minute average opacity, as measured by continuous opacity monitor (COM) system, exceeds the corresponding limit set forth in this permit.

6) For the purposes of this permit, excess opacity indicated by the COM for any six minute period, other than start-up or shutdown periods, may be considered violations of the applicable emission limits.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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

Condition 71: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(b)

Item 71.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Item 71.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A stack test protocol must be submitted to the RAPCE for review and approval at least sixty (60) calendar days prior to testing. The RAPCE must be notified in writing of any scheduled test at least thirty (30) calendar days in advance of the test. Improper notification to the RAPCE of a test, use of an unapproved protocol, or performance of a test without a Department representative present for witnessing are grounds for rejection of the test by the Department. Three copies of the stack test



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

report must be submitted by the source owner to the location indicated in quarterly report submission requirement (6 NYCRR Part 219-3.8) of this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 72: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.11

Item 72.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Item 72.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operator Training and Certifications:

A. The permittee must submit appropriate documentation (from the person or organization providing operator training) which demonstrates that operators have received proper training. This documentation must include, but not limited to, a description of the training provided, time and locations of training, and a list of operators trained.

B. The on-site operation of this facility shall at all times be directed by a person possessing an appropriate current New York State Incinerator Operator Certificate as described in 6 NYCRR Part 219, Section 219-3.11. This requirement is effective nine (9) months after the date of the first qualifying examination approved by the Commissioner.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 73: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Applicable State Requirement: 6NYCRR 219-3.12

Item 73.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Item 73.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must annually inspect the incinerator and submit a report to the Regional Air Pollution Control Engineer certifying that the condition and operation of all equipment at the facility, including the calibration of all instrumentation, meet manufacturer's specifications. This report should also include a full description of equipment status, repairs, maintenance, total tons incinerated during the previous 12 month period, and the amount of chemicals used to control emissions. The report is due annually on March 1st for the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2004.

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

Condition 74: Compliance Demonstration

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.3(b)(1)

Item 74.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 74.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Monitoring Description:

Particulate emissions limit for each Regulated Medical Waste incinerator emission points (00001 and 00002).
Compliance based on annual stack tests.

Upper Permit Limit: 0.015 grains per dry standard cubic foot (corrected to 7% O₂)

Reference Test Method: EPA METHOD 5

Monitoring Frequency: ANNUALLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 75: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.4

Item 75.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 75.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride (HCL) emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the percent reduction by weight or volume HCL emission limit provided in this permit.
Compliance based on annual stack test.

Upper Permit Limit: 50 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: EPA Ref. Method 26

Monitoring Frequency: ANNUALLY

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.4

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Item 76.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 76.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen Chloride (HCL) emission limit by annual stack test. The Permittee shall meet the less stringent of this limit (percent removal), or the concentration HCL emission limit provided in this permit.

Lower Permit Limit: 90 percent reduction by weight

Reference Test Method: EPA METHOD 26

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 77: Compliance Demonstration

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.4

Item 77.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 77.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 90 percent reduction by weight or volume Hydrogen

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Chloride emission limit provided in this permit.

Parameter Monitored: HYDROGEN CHLORIDE
Upper Permit Limit: 50.0 parts per million by volume
(dry, corrected to 7% O₂)
Reference Test Method: EPA Ref. Method 26
Monitoring Frequency: ANNUALLY
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 2/29/2004.
Subsequent reports are due every 12 calendar month(s).

Condition 78: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.5

Item 78.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: RMW

Item 78.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The secondary combustion chamber exit temperature shall be continuously monitored and recorded during RMW combustion (taken, at a minimum, once every minute). Each chamber shall be equipped with temperature alarm to alert the operator during excursion.

During start up, the waste feed system to remain in lock out position with no waste charged until the secondary chamber temperature reaches the compliance limit with the bypass stack cap in close position. During burn down cycle, the secondary temperature must be maintained at or above the compliance limit and the waste feed system to remain in lock out position with no waste charged for 4 hours.

Manufacturer Name/Model Number: GSI Automation / K11C-7-75-18

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1800 degrees Fahrenheit

Reference Test Method: Manufacturer spec.



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED
VALUE AT ANY TIME
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 79: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.5

Item 79.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: RMW

Item 79.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The primary combustion chamber exit temperature shall be continuously monitored and recorded during RMW combustion (taken, at a minimum, once every minute). Each chamber shall be equipped with temperature alarm to alert the operator during excursion.

During start up, the waste feed system to remain in lock out position with no waste charged until the primary chamber temperature reaches the compliance limit with the bypass stack cap in close position.

Manufacturer Name/Model Number: GSI Automation / K11C-7-75-18

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1400 degrees Fahrenheit

Reference Test Method: Manufacturer spec.

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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

Condition 80: Compliance Demonstration



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.5

Item 80.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Item 80.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Flue gas temperature at the outlet of the final air pollution control device shall be continuously monitored and recorded during RMW combustion (taken, at a minimum, once every minute). Each baghouse shall be equipped with temperature alarm to alert the operator during temperature excursion.

Manufacturer Name/Model Number: GSI Automation / K11C-7-75-18

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 300 degrees Fahrenheit

Reference Test Method: Manufacturer spec.

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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

Condition 81: Stack testing requirements.

Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9

Item 81.1:

This Condition applies to Emission Unit: U-INCIN

Process: RMW

Item 81.2:

(a) The RMW incinerator(s) must be tested while burning the normal waste to be incinerated in that facility, to demonstrate compliance with the standards in this Subpart. At a minimum, each incinerator must be tested at startup and annually thereafter for particulates, hydrogen chloride, oxygen and carbon monoxide emissions. Additional testing will be at the discretion of the commissioner.



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

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

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

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

Condition 82: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 82.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 82.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1. The running hourly average concentration of Carbon Monoxide (CO) emitted from each incinerator shall not exceed the limit shown in this condition. The running hourly average shall be based on at least six data points, equally spaced over the hour and reported on the daily CEMS report. The facility must report six one-hour values, as derived from minute by minute rolled hourly averages for a given hour.
2. Each incinerator shall be equipped with carbon monoxide analyzer with dual range capability which shall have a low range of zero and 1.25 to 1.5 times the emission limit and a high range with a span of zero to 2000 to 3000 parts per million. The dual range analyzers shall be calibrated daily at zero and low and high span with the calibration gases selected in accordance the 40CFR60.13(d)(1). For low range, the Relative Accuracy Test Audit (RATA) and Cylinder Gas Audits (CGA) must be performed in accordance with 40CFR60, Appendix B and F.



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

For high range span, CGA must be conducted at least once per quarter.

3. Each incinerator shall be equipped with oxygen analyzer and calibrated and test audited in accordance with 40CFR60, Appendix B and F.

4. Each incinerator shall be equipped with a CEMS Monitor and alarm system to alert the operator in case of carbon monoxide spikes for operator to take immediate corrective action.

Manufacturer Name/Model Number: Thermo Environmental Instruments - Model 48 Operate @ 0-200 & 0-2000

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 100 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: 40CFR60, PS 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1
MINUTE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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

Condition 83: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 83.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 000071-43-2 BENZENE

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

BENZENE emissions from each incinerator shall not exceed the limit shown in this condition.



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Compliance with the emission limit contained in this condition was determined during August 1997 compliance test for the regulated medical waste incinerator.

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Minimum primary and secondary combustion chamber temperatures
- Flue gas hourly carbon monoxide concentration
- Stack opacity

Parameter Monitored: BENZENE

Upper Permit Limit: 4.3E-03 pounds per hour

Reference Test Method: EPA Ref Method 18

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 84: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 84.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 84.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

CADMIUM emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Stack opacity

Parameter Monitored: CADMIUM

Upper Permit Limit: 6.15E-05 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 85: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 85.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007440-47-3 CHROMIUM

Item 85.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

CHROMIUM emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

(DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Stack opacity

Parameter Monitored: CHROMIUM

Upper Permit Limit: 3.18E-04 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 86: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 86.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 018540-29-9 CHROMIUM(VI)

Item 86.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

CHROMIUM(VI) emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Stack opacity

Parameter Monitored: CHROMIUM(VI)

Upper Permit Limit: 6.5E-06 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 87: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 87.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 87.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Dioxin Equivalents (PCDD + PCDF) emissions from each incinerator shall not exceed the limit shown in this condition.

Compliance with the emission limit contained in this condition was determined during August 1997 compliance test for the regulated medical waste incinerator.

The facility will be considered to be in continuous compliance with the emission limit contained in this



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Minimum primary and secondary combustion chamber temperatures
- Flue gas hourly carbon monoxide concentration
- Stack opacity

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Upper Permit Limit: 1.8E-09 pounds per hour

Reference Test Method: EPA Ref Method 23

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 88: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 88.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

Item 88.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FORMALDEHYDE emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Minimum primary and secondary combustion chamber temperatures
- Flue gas hourly carbon monoxide concentration
- Stack opacity

Parameter Monitored: FORMALDEHYDE

Upper Permit Limit: 5.31E-04 pounds per hour

Reference Test Method: EPA Method 0011

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 89: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 89.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 89.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HYDROGEN CHLORIDE emissions from each incinerator shall not exceed the limit shown in this condition or 50 parts per million by volume (dry, corrected to 7% O₂), whichever is more restrictive.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Minimum HCL sorbent flow rate

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 1.9 pounds per hour

Reference Test Method: EPA Ref Method 26

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 90: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 90.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 90.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

LEAD emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Stack opacity

Parameter Monitored: LEAD

Upper Permit Limit: 1.07E-03 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 91: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 91.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007439-96-5 MANGANESE

Item 91.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

MANGANESE emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Stack opacity

Parameter Monitored: MANGANESE

Upper Permit Limit: 5.47E-04 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 92: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 92.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 92.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

MERCURY emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Stack opacity

Parameter Monitored: MERCURY

Upper Permit Limit: 7.28E-03 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 93: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 93.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE COMPOUNDS

Item 93.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NICKEL emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

air pollution control device
- Stack opacity

Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS
Upper Permit Limit: 1.15E-04 pounds per hour
Reference Test Method: EPA Ref Method 29
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 94: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 94.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: RMW

Regulated Contaminant(s):
CAS No: 007440-38-2 ARSENIC

Item 94.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ARSENIC emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Stack opacity



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

Parameter Monitored: ARSENIC
Upper Permit Limit: 2.28E-05 pounds per hour
Reference Test Method: EPA Ref Method 29
Monitoring Frequency: SINGLE OCCURRENCE
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 95: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 95.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN
Process: RMW

Regulated Contaminant(s):
CAS No: 130498-29-2 POLYCYCLIC AROMATIC HYDROCARBONS

Item 95.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

POLYCYCLIC AROMATIC HYDROCARBONS emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Minimum primary and secondary combustion chamber temperatures



New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647

- Flue gas hourly carbon monoxide concentration
- Stack opacity

Parameter Monitored: POLYCYCLIC AROMATIC HYDROCARBONS

Upper Permit Limit: 2.06E-05 pounds per hour

Reference Test Method: EPA Ref Method 23

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 96: Compliance Demonstration
Effective between the dates of 01/03/2003 and 01/02/2008

Applicable State Requirement: 6NYCRR 219-3.9(a)

Item 96.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-INCIN

Process: RMW

Regulated Contaminant(s):

CAS No: 007440-66-6 ZINC

Item 96.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ZINC emissions from each incinerator shall not exceed the limit shown in this condition.

This emission limit was established based on the maximum emission rate observed during stack tests and satisfactory demonstration of the Department's screening criteria (DAR-1, Guidelines for the control of toxic ambient air contaminants).

The facility will be considered to be in continuous compliance with the emission limit contained in this condition if compliance is maintained with the incinerator operating parameter limits contained elsewhere in this permit. The incinerator operating parameter limits include, but are not limited to:

- Maximum waste feed to the incinerator
- Maximum flue gas temperature at the outlet of the final air pollution control device
- Stack opacity

New York State Department of Environmental Conservation

Permit ID: 1-4720-00647/00007

Facility DEC ID: 1472000647



Parameter Monitored: ZINC

Upper Permit Limit: 1.06E-02 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE