

**New York State Department of Environmental Conservation
Facility DEC ID: 7355800013**



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

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-3558-00013/00015
Effective Date: 09/25/2007 Expiration Date: 09/24/2012

Permit Issued To: OSWEGO COUNTY
46 E BRIDGE ST
OSWEGO, NY 13126-2118

Facility: OSWEGO CO ENERGY RECOVERY FAC
2801 ST RTE 481
FULTON, NY 13069

Contact: FRANK J VISSER
OSWEGO CO ENERGY RECOVERY FACILITY
2801 ST RTE 481
FULTON, NY 13069
(315) 591-9280

Description:

The Oswego Co Energy Recovery Facility consists of four 50 ton per day capacity municipal waste incinerators. Emissions from the facility are controlled by two air pollution control trains each consisting of a spray dryer scrubber and fabric filter. This permit is a renewal of the facility's Title V operating permit. The significant changes from the original permit involve the inclusion of requirements found in 40 CFR 60 Subpart BBBB incorporated by reference in 6 NYCRR Part 219-8.

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

Permit Administrator: JOHN H MERRIMAN, JR
1285 FISHER AVE
CORTLAND, NY 13045-1090

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and Determinations
Applications for permit renewals, modifications and transfers
Applications for Permit Renewals and Modifications
Permit modifications, suspensions or revocations by the Department
Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 7
HEADQUARTERS
Submission of application for permit modification or renewal-REGION 7
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, modifications and transfers
Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:



New York State Department of Environmental Conservation
Facility DEC ID: 7355800013

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

Condition 4: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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

Item 4.2:

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

Item 4.3:

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

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

Item 5.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

Item 6.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;

New York State Department of Environmental Conservation
Facility DEC ID: 7355800013



- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

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

Item 7.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400

Condition 8: Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 8.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: OSWEGO COUNTY
46 E BRIDGE ST
OSWEGO, NY 13126-2118

Facility: OSWEGO CO ENERGY RECOVERY FAC
2801 ST RTE 481
FULTON, NY 13069

Authorized Activity By Standard Industrial Classification Code:
4953 - REFUSE SYSTEMS
9999 - NONCLASSIFIABLE ESTABLISHMENTS

Permit Effective Date: 09/25/2007

Permit Expiration Date: 09/24/2012



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

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

Emission Unit Level

- 25 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 26 6NYCRR 201-6: Process Definition By Emission Unit

EU=1-INCIN

- 27 6NYCRR 219-5.3(a): Compliance Certification
- 28 6NYCRR 219-5.4(a): Emissions testing.
- 29 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 30 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
- 31 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 32 40CFR 60.53(a), NSPS Subpart E: Compliance Certification
- 33 40CFR 60.53(a), NSPS Subpart E: Compliance Certification
- 34 40CFR 60.1660, Subpart BBBB: Plant Specific Training



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

- 35 40CFR 60.1665, Subpart BBBBB: Information that must be included in the Plant-Specific Operating Manual
- 36 40CFR 60.1670, Subpart BBBBB: Location for keeping the plant specific operating manual
- 37 40CFR 60.1675, Subpart BBBBB: Operator Certification for Chief Facility Operator and Shift Supervisor - Class II MWC Units
- 38 40CFR 60.1680, Subpart BBBBB: Employees that may operate MWC units.
- 39 40CFR 60.1685, Subpart BBBBB: Operation of MWC Unit when Certified Operator is Temporarily Off-Site
- 40 40CFR 60.1690, Subpart BBBBB: Compliance Certification
- 41 40CFR 60.1690, Subpart BBBBB: Compliance Certification
- 42 40CFR 60.1695, Subpart BBBBB: Compliance Certification
- 43 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 44 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 45 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 46 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 47 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 48 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 49 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 50 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 51 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 52 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 53 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 54 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 55 40CFR 60.1705(a)(3), Subpart BBBBB: Compliance Certification
- 56 40CFR 60.1710, Subpart BBBBB: Compliance Certification
- 57 40CFR 60.1720, Subpart BBBBB: Compliance Certification
- 58 40CFR 60.1730, Subpart BBBBB: Compliance Certification
- 59 40CFR 60.1750, Subpart BBBBB: Compliance Certification
- 60 40CFR 60.1755, Subpart BBBBB: Compliance Certification
- 61 40CFR 60.1760, Subpart BBBBB: Compliance Certification
- 62 40CFR 60.1775, Subpart BBBBB: Compliance Certification
- 63 40CFR 60.1795(a), Subpart BBBBB: Compliance Certification
- 64 40CFR 60.1795(b), Subpart BBBBB: Compliance Certification
- 65 40CFR 60.1805, Subpart BBBBB: Compliance Certification
- 66 40CFR 60.1830, Subpart BBBBB: Compliance Certification
- 67 40CFR 60.1835, Subpart BBBBB: Compliance Certification
- 68 40CFR 60.1840, Subpart BBBBB: Compliance Certification
- 69 40CFR 60.1845, Subpart BBBBB: Compliance Certification
- 70 40CFR 60.1850, Subpart BBBBB: Compliance Certification
- 71 40CFR 60.1855, Subpart BBBBB: Compliance Certification
- 72 40CFR 60.1860, Subpart BBBBB: Compliance Certification
- 73 40CFR 60.1865, Subpart BBBBB: Compliance Certification
- 74 40CFR 60.1880, Subpart BBBBB: Compliance Certification
- 75 40CFR 60.1885, Subpart BBBBB: Compliance Certification
- 76 40CFR 60.1890, Subpart BBBBB: Compliance Certification
- 77 40CFR 60.1895, Subpart BBBBB: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

78 40CFR 60.1900, Subpart BBBB: Compliance Certification

79 40CFR 60.1905, Subpart BBBB: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

80 ECL 19-0301: Contaminant List

81 6NYCRR 201-1.4: Unavoidable noncompliance and violations

82 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

EU=1-INCIN

83 6NYCRR 201-1.4: Compliance Demonstration

84 6NYCRR 617.11(d): Compliance Demonstration

85 6NYCRR 617.11(d): Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



order to maintain compliance with the conditions of this permit.

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

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

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

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



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 3: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

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

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of the effective date of this permit.

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:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

50 Wolf Road
Albany, NY 12233-3258

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April
15th each year for emissions of the previous calendar
year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was
determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department
upon request during normal business hours.



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 215

Item 9.1:

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT
TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 12.1:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

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 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 17.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

Condition 19: Required Emissions Tests
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 20: Visible Emissions Limited
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 211.3

Item 20.1:

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

Condition 21: Accidental release provisions.
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 68

Item 21.1:

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



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

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

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

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 22.1:

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

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 23.1:

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

Emission Unit: 1-INCIN

Emission Unit Description:

This unit consists of four identical municipal solid waste incineration trains located within the existing incinerator building. The four incinerators combine into two flues each of which is controlled by a spray dryer scrubber and a fabric filter. The two flues are housed by one stack structure outside the APC building where they



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

exhaust to the atmosphere. The flues are identified as emission points 00005 and 00006.

Building(s): 1
2

Condition 24: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 202-1

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:

All required emission tests, including those required under 40 CFR 60 Subpart BBBB, shall be conducted in accordance with the provisions of 6NYCRR Part 202-1.

Notification and reporting timeframes stated in 6NYCRR Part 202-1 shall apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 25: Emission Point Definition By Emission Unit
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 25.1:

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

Emission Unit: 1-INCIN

Emission Point: 00005

Height (ft.): 155

Diameter (in.): 42



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

NYTMN (km.): 4800.523 NYTME (km.): 384.431 Building: 2

Emission Point: 00006

Height (ft.): 155

Diameter (in.): 42

NYTMN (km.): 4800.523 NYTME (km.): 384.431 Building: 2

Emission Point: BYP01

Height (ft.): 68

Diameter (in.): 66

NYTMN (km.): 4800.588 NYTME (km.): 384.431 Building: 1

Emission Point: BYP02

Height (ft.): 68

Diameter (in.): 66

NYTMN (km.): 4800.576 NYTME (km.): 384.431 Building: 1

Emission Point: BYP03

Height (ft.): 68

Diameter (in.): 66

NYTMN (km.): 4800.57 NYTME (km.): 384.431 Building: 1

Emission Point: BYP04

Height (ft.): 68

Diameter (in.): 66

NYTMN (km.): 4800.558 NYTME (km.): 384.431 Building: 1

**Condition 26: Process Definition By Emission Unit
Effective between the dates of 09/25/2007 and 09/24/2012**

Applicable Federal Requirement: 6NYCRR 201-6

Item 26.1:

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

Emission Unit: 1-INCIN

Process: RTF

Source Classification Code: 5-01-001-03

Process Description:

MSW is incinerated in four existing incinerators provided with retrofitted air pollution control equipment consisting of spray dryer scrubbers and fabric filters. The incinerators are exhausted through two flues identified as emission points 00005 and 00006.

Each of the four incinerators (INCRT) includes a primary chamber burner (PBURN) and a secondary chamber burner (SBURN). Both burners are fueled by natural gas.

Each of the two air pollution control trains includes a spray dryer scrubber (SDSCB) and a fabric filter (FBFIL).

Emission Source/Control: FBFIL - Control



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Control Type: FABRIC FILTER

Emission Source/Control: SDSCB - Control
Control Type: WET LIME SLURRY SCRUBBING

Emission Source/Control: INCRT - Incinerator
Design Capacity: 50 tons per day
Waste Feed Method: MANUAL DIRECT FEED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Emission Source/Control: PBURN - Process
Design Capacity: 0.5 million Btu per hour

Emission Source/Control: SBURN - Process
Design Capacity: 6 million Btu per hour

Condition 27: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 219-5.3(a)

Item 27.1:
The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 27.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Incinerators built or installed after January 26, 1967,
limited to less than 20 percent average opacity over any
consecutive six minute period.

Manufacturer Name/Model Number: Thermo Environmental Instruments (TEI) Model 400B
Transmissometer

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Approved Method
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Condition 28: Emissions testing.
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 219-5.4(a)

Item 28.1:

This Condition applies to Emission Unit: 1-INCIN

Item 28.2:

The incinerator must be tested using emission tests acceptable to the Commissioner.

Condition 29: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 29.1:

This Condition applies to Emission Unit: 1-INCIN

Item 29.2:

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

Condition 30: Compliance with Standards and Maintenance Requirements
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 30.1:

This Condition applies to Emission Unit: 1-INCIN

Item 30.2:

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

Condition 31: Monitoring requirements.
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 31.1:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

This Condition applies to Emission Unit: 1-INCIN

Item 31.2:

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

Condition 32: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.53(a), NSPS Subpart E

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily charging rate must be recorded for each incinerator.

At a minimum, a weekly estimate of total waste combusted and daily hours of operation of each incinerator must be used to determine a daily charging rate for each incinerator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 33: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.53(a), NSPS Subpart E

Item 33.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 33.2:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily hours of operation must be recorded for each incinerator.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 34: Plant Specific Training
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1660, Subpart BBBB

Item 34.1:

This Condition applies to Emission Unit: 1-INCIN

Item 34.2:

For plant-specific training, permittee must do four things:

(a) Develop a specific operating manual for the MWC plant within six months after any MWC unit begins start-up following modification to comply with the requirements of 40 CFR 60, Subpart BBBB.

(b) Establish a program to review the plant-specific operating manual with staff whose responsibilities affect the operation of any MWC unit. Complete the initial review by the later of two dates:

(1) Six months after any MWC unit begins start-up following modification to comply with the requirements of 40 CFR 60, Subpart BBBB.

(2) The date before an employee assumes responsibilities that affect operation of any MWC unit.

(c) Manual must be updated annually.

(d) Manual must be reviewed with staff annually.

Condition 35: Information that must be included in the Plant-Specific Operating Manual
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1665, Subpart BBBB

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Item 35.1:

This Condition applies to Emission Unit: 1-INCIN

Item 35.2:

Permittee must include the following 11 items in the plant-specific operating manual:

- (a) A summary of all applicable 40 CFR 60, Subpart BBBB requirements.
- (b) A description of the basic combustion principles that apply to MWC units.
- (c) Procedures for receiving, handling, and feeding municipal solid waste.
- (d) Procedures to be followed during periods of startup, shutdown, and malfunction of any MWC unit.
- (e) Procedures for maintaining a proper level of combustion air supply.
- (f) Procedures for operating MWC unit(s) in compliance with the requirements contained in 40 CFR 60, Subpart BBBB.
- (g) Procedures for responding to periodic upset or off-specification conditions.
- (h) Procedures for minimizing carryover of particulate matter.
- (i) Procedures for handling ash.
- (j) Procedures for monitoring emissions from MWC unit(s).
- (k) Procedures for recordkeeping and reporting.

**Condition 36: Location for keeping the plant specific operating manual
Effective between the dates of 09/25/2007 and 09/24/2012**

Applicable Federal Requirement: 40CFR 60.1670, Subpart BBBB

Item 36.1:

This Condition applies to Emission Unit: 1-INCIN

Item 36.2:

The operating manual must be kept in an easily accessible location at the plant. It must be available for review or inspection by all employees who are required to undergo plant-specific training, and by the Department upon request.

Condition 37: Operator Certification for Chief Facility Operator and



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Shift Supervisor - Class II MWC Units

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1675, Subpart BBBB

Item 37.1:

This Condition applies to Emission Unit: 1-INCIN

Item 37.2:

(a) Each chief facility operator and shift supervisor must obtain and keep a current provisional operator certification from the American Society of Mechanical Engineers (QRO-1-1994).

(b) Each chief facility operator and shift supervisor must obtain a provisional certification by the later of :

(1) November 12, 2004.

(2) Six months after any MWC unit begins start-up following modification to comply with the requirements of 40 CFR 60, Subpart BBBB..

(3) Six months after they transfer to any MWC unit or 6 months after they are hired to work at any MWC unit.

(c) Each chief facility operator and shift supervisor must obtain a full certification from the American Society of Mechanical Engineers or schedule a full certification exam with the American Society of Mechanical Engineers (QRO-1-1994) by the later of:

(1) November 12, 2004.

(2) Six months after any MWC unit begins start-up following modification to comply with the requirements of 40 CFR 60, Subpart BBBB.

(3) Six months after they transfer to any MWC unit or 6 months after they are hired to work at any MWC unit.

Condition 38: Employees that may operate MWC units.

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1680, Subpart BBBB

Item 38.1:

This Condition applies to Emission Unit: 1-INCIN

Item 38.2:

Following the required date provided in 40 CFR 60.1675 for full or provisional operator certification, Permittee must not operate any MWC unit unless one of the following four employees is on duty:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

- (1) A fully certified chief facility operator.
- (2) A provisionally certified chief facility operator who is scheduled to take the full certification exam.
- (3) A fully certified shift supervisor.
- (4) A provisionally certified shift supervisor who is scheduled to take the full certification exam.

Condition 39: Operation of MWC Unit when Certified Operator is Temporarily Off-Site Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1685, Subpart BBBB

Item 39.1:

This Condition applies to Emission Unit: 1-INCIN

Item 39.2:

If the certified chief facility operator and certified shift supervisor are both unavailable, a provisionally certified control room operator may fulfill the certified operator requirement. Depending on the length of time that a certified chief facility operator and certified shift supervisor are away, you must meet one of three criteria:

- (a) When the certified chief facility operator and certified shift supervisor are both offsite for 12 hours or less and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without notice to, or approval by, the Department.
- (b) When the certified chief facility operator and certified shift supervisor are offsite for more than 12 hours, but for 2 weeks or less, and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without notice to, or approval by, the Department. However, you must record the periods when the certified chief facility operator and certified shift supervisor are offsite and include the information in the annual report as specified under 40 CFR 60.1885(l).
- (c) When the certified chief facility operator and certified shift supervisor are offsite for more than 2 weeks, and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without approval by the Department. However, you must take two actions:
 - (1) Notify the Department in writing. In the notice, state what caused the absence and what you are doing to ensure that a certified chief facility operator or certified shift supervisor is onsite.
 - (2) Submit a status report and corrective action summary to the Department every 4 weeks following the initial notification. If the Department notifies you that



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

your status report or corrective action summary is disapproved, your MWC unit(s) may continue operation for 90 days, but then must cease operation. If corrective actions are taken in the 90-day period such that the Department withdraws the disapproval, your MWC unit(s) operation may continue.

Condition 40: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1690, Subpart BBBB

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MWC Operating Practices Requirements for Unit Load Level
and Activated Carbon Feed Rate:

(a) Permittee must not operate any MWC unit at a load greater than 110 percent of the maximum demonstrated load of the MWC unit (4-hour block average), as specified under "Definitions" (40 CFR 60.1940).

(b) MWC unit(s) using activated carbon to control dioxins/furans or mercury emissions, must maintain an 8-hour block average carbon feed rate at or above the highest average level established during the most recent dioxins/furans or mercury test.

(c) MWC unit(s) using activated carbon to control dioxins/furans or mercury emissions, must evaluate total carbon usage for each carbon delivery period*. Each carbon purchase and delivery to the MWC plant must be in an amount at or above the required usage of carbon for the preceding carbon delivery period. Permittee may choose to evaluate the required carbon usage for each carbon delivery period on a MWC unit basis for each individual MWC unit at the plant. The required usage of carbon for each carbon delivery period shall be calculated using equation 4 or 5 in 40 CFR 60.1935(f), except that required usage shall be calculated on a carbon delivery period basis rather than a calendar quarter basis.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



*For the purposes of this requirement, "carbon delivery period" shall be the period between carbon deliveries to the MWC plant.

(d) All MWC units are exempt from limits on load level, and carbon feed rate during any of the following five situations:

- (1) During annual tests for dioxins/furans.
- (2) During annual mercury tests (for carbon feed rate requirements only).
- (3) During the 2 weeks preceding annual tests for dioxins/furans.
- (4) During the 2 weeks preceding annual mercury tests (for carbon feed rate requirements only).
- (5) Whenever the Department authorizes the Permittee to do any of the following five activities:
 - (i) Evaluate system performance.
 - (ii) Test new technology or control technologies.
 - (iii) Perform diagnostic testing.
 - (iv) Perform other activities to improve the performance of your municipal waste combustion unit(s).
 - (v) Perform other activities to advance the state of the art for emission controls for your municipal waste combustion unit(s).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 41: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1690, Subpart BBBB



Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

MWC Operating Practices Requirements for particulate
matter control device.

(a) Permittee must not operate any municipal waste
combustion unit such that the temperature at the inlet of
the particulate matter control device exceeds 17°C above
the "maximum demonstrated temperature of the particulate
matter control device", as specified under
§60.1940.

(b) All MWC units are exempt from limits on the
temperature at the inlet of the particulate matter control
device during any of the following five situations:

- (1) During annual tests for dioxins/furans.
- (2) During annual mercury tests (for carbon feed rate
requirements only).
- (3) During the 2 weeks preceding annual tests for
dioxins/furans.
- (4) During the 2 weeks preceding annual mercury tests (for
carbon feed rate requirements only).
- (5) Whenever the Department authorizes the Permittee to do
any of the following five activities:
 - (i) Evaluate system performance.
 - (ii) Test new technology or control technologies.
 - (iii) Perform diagnostic testing.
 - (iv) Perform other activities to improve the performance

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



of your municipal waste combustion unit(s).

(v) Perform other activities to advance the state of the art for emission controls for your municipal waste combustion unit(s).

(c) Permittee must install, calibrate, maintain, and operate a device to continuously measure the temperature of the flue gas stream at the inlet of each particulate matter control device. Compliance is based on a 4-hour block arithmetic average.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 17 deg C above maximum demonstrated temperature of PM control as per §60.1940

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 42: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1695, Subpart BBBB

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The operating requirements specified in 40CFR60.1690 shall apply at all times except during periods of MWC unit startup, shutdown, or malfunction. Each startup, shutdown or malfunction must not last for longer than 3 hours.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Condition 43: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emission limit for Class II small MWC plants.

Cadmium emissions from each MWC unit shall not exceed 0.10 milligrams per dry standard cubic meter, corrected to 7% oxygen, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: CADMIUM

Upper Permit Limit: 0.10 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 44: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

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

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Total dioxins/furans emission limit for Class II small MWC plants.

Total dioxins/furans emissions from each MWC unit shall not exceed 125 nanograms per dry standard cubic meter, corrected to 7% oxygen, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 23 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. A minimum sampling time of 4 hours per test run is required. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

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

Upper Permit Limit: 125 nanograms per dry standard cubic meter (corrected to 7% O₂)

Reference Test Method: EPA Ref. Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 45: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit for Class II small MWC plants.

Hydrogen chloride emissions from each MWC unit shall meet the less stringent of 250 parts per million by volume, dry corrected to 7% oxygen, or the percent reduction by weight or volume hydrogen chloride emission limit provided in this permit, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 26 or 26A provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. A minimum sampling time of 1 hour per test run is required. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 250 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 46: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit for Class II small MWC plants.

Hydrogen chloride emissions from each MWC unit shall meet the less stringent of 50 percent reduction by weight or volume, dry corrected to 7% oxygen, or the concentration based hydrogen chloride emission limit provided in this permit, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 26 or 26A provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. A minimum sampling time of 1 hour per test run is required. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: HYDROGEN CHLORIDE

Lower Permit Limit: 50 percent reduction by weight or volume (corrected to 7% O₂, dry basis)

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Condition 47: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emission limit for Class II small MWC plants.

Lead emissions from each MWC unit shall not exceed 1.60 milligrams per dry standard cubic meter, corrected to 7% oxygen, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: LEAD

Upper Permit Limit: 1.60 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 48: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit for Class II small MWC plants.

Mercury emissions from each MWC unit shall meet the less stringent of 0.080 milligrams per dry standard cubic meter, corrected to 7% oxygen, or the percent reduction by weight mercury emission limit provided in this permit, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004.

Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Manufacturer Name/Model Number:

Parameter Monitored: MERCURY

Upper Permit Limit: 0.080 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 49: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit for Class II small MWC plants.

Mercury emissions from each MWC unit shall meet the less stringent of 85 percent reduction by weight, dry corrected to 7% oxygen, or the concentration based mercury emission limit provided in this permit, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: MERCURY

Lower Permit Limit: 85 percent reduction by weight
(corrected to 7% O₂, dry basis)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 50: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB



Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 068131-74-8 ASHES (RESIDUES)

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Fugitive ash emission limit for Class II small MWC
plants.

Discharge to the atmosphere of visible emissions of
combustion ash from the ash conveying system (including
conveyor transfer points) may not exceed 5 percent of the
observation period (i.e. three 1-hour observation
periods), as determined by EPA Reference Method 22
observations. The three 1-hour observation period must
include periods when the facility transfer fugitive ash
from the MWC unit to the area where the fugitive ash is
stored or loaded into containers or trucks. Initial
compliance visible emission tests shall be conducted no
later than November 8, 2004. Thereafter, annual visible
emission tests shall be conducted no later than 13 months
after the previous emission test. Reporting shall be done
in accordance with 40 CFR 60.1860 through 60.1905, as
applicable.

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 51: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity emission limit for Class II small MWC
plants.

Opacity emissions from each MWC unit shall not exceed 10 percent based on a 3 hour observation period (thirty 6-minute averages). Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 9 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Ref. Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 52: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 52.1:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter emission limit for Class II small MWC plants.

Particulate matter emissions from each MWC unit shall not exceed 70 milligrams per dry standard cubic meter, corrected to 7% oxygen, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 5 or 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. The minimum sample volume must be 1.0 cubic meters. The probe and filter holder heating systems in the sample train must be set to provide a gas temperature no greater than 160 +/- 14 degrees C. The minimum sampling time is 1 hour. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 70 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Meth 5 or 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 53: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBBB

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emission limit for Class II small MWC plants.

Sulfur dioxide emissions from each MWC unit shall meet the less stringent of 77 parts per million by volume, dry corrected to 7% oxygen, or the percent reduction by weight or volume sulfur dioxide emission limit provided in this permit. Initial compliance tests shall be conducted no later than November 8, 2004. Thereafter, compliance is based on a 24-hour daily block (geometric average) using a sulfur dioxide continuous emission monitoring system. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 77 parts per million by volume (dry, corrected to 7% O₂)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY BLOCK (GEOMETRIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 54: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 54.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emission limit for Class II small MWC plants.

Sulfur dioxide emissions from each MWC unit shall meet the less stringent of 50 percent reduction by weight or volume, dry corrected to 7% oxygen, or the concentration based sulfur dioxide emission limit provided in this permit. Initial compliance tests shall be conducted no later than November 8, 2004. Thereafter, compliance is based on a 24-hour daily block (geometric average) using a sulfur dioxide continuous emission monitoring system. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: SULFUR DIOXIDE

Lower Permit Limit: 50 percent reduction by weight or volume (corrected to 7% O₂, dry basis)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY BLOCK (GEOMETRIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 55: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(3), Subpart BBBBB

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



CAS No: 000630-08-0 CARBON MONOXIDE

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide emission limit for modular starved air
Class II small MWC plants.

Carbon monoxide emissions from each MWC unit shall not exceed 50 parts per million by volume, dry corrected to 7% oxygen. Initial compliance shall be conducted no later than November 8, 2004. Thereafter, compliance is based on a 4 hour block average (arithmetic mean) using a carbon monoxide continuous emission monitoring system. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: CARBON MONOXIDE

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 4 HOUR BLOCK AVERAGE (ARITHMETIC
MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 56: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1710, Subpart BBBB

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Start-up, shutdown and malfunction emission
limits:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(a) The emission limits in this permit apply at all times except during periods of municipal waste combustion unit startup, shutdown, or malfunction.

(b) Each startup, shutdown, or malfunction must not last for longer than 3 hours.

(c) A maximum of 3 hours of test data can be dismissed from compliance calculations during periods of startup, shutdown, or malfunction.

(d) During startup, shutdown, or malfunction periods longer than 3 hours, emissions data cannot be discarded from compliance calculations and all provisions under 40 CFR 60.11(d) apply.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 57: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1720, Subpart BBBB

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous emission monitoring systems for gaseous pollutants:

(a) Permittee must install, calibrate, maintain, and operate continuous emission monitoring systems for oxygen (or carbon dioxide), sulfur dioxide, and carbon monoxide. Continuous emission monitoring systems for sulfur dioxide and oxygen (or carbon dioxide) must be installed at the outlet of the air pollution control device. In accordance with 40 CFR 60.1725, data from the continuous emission

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



monitoring systems for sulfur dioxide and carbon monoxide shall be used to demonstrate compliance with the applicable emission limits specified in this permit.

(b) Permittee must install, evaluate, and operate each continuous emission monitoring system according to the "Monitoring Requirements" in 40 CFR 60.13.

(c) Permittee must monitor the oxygen (or carbon dioxide) concentration at each location where sulfur dioxide and carbon monoxide are monitored.

(d) Permittee may choose to monitor carbon dioxide instead of oxygen as a diluent gas. If Permittee chooses to monitor carbon dioxide, then an oxygen monitor is not required. If carbon dioxide is chosen as the diluent gas, permittee must establish the relationship between oxygen and carbon dioxide during the initial evaluation of the continuous emission monitoring systems. Permittee may reestablish the relationship during annual evaluations. To establish the relationship the following three procedures shall be used:

(1) Use EPA Reference Method 3A or 3B in Appendix A of Part 60 to determine oxygen concentration at the location of your carbon dioxide monitor.

(2) Conduct at least three test runs for oxygen. Make sure each test run represents a 1-hour average and that sampling continues for at least 30 minutes in each hour.

(3) Use the fuel-factor equation in EPA Reference Method 3B in Appendix A of Part 60 to determine the relationship between oxygen and carbon dioxide.

(e) If Permittee chooses to demonstrate compliance by monitoring the percent reduction of sulfur dioxide, continuous emission monitoring systems for sulfur dioxide and oxygen (or carbon dioxide) must be installed at the inlet of the air pollution control device.

(f) If Permittee prefers to use an alternative sulfur dioxide monitoring method, such as parametric monitoring, or cannot monitor emissions at the inlet of the air pollution control device to determine percent reduction,



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Permittee can apply to the Department for approval to use an alternative monitoring method under 40 CFR 60.13(i).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 58: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1730, Subpart BBBB

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous emission monitoring systems operation / evaluation requirements:

(a) Permittee shall conduct initial, daily, quarterly, and annual evaluations of continuous emission monitoring systems that measure oxygen (or carbon dioxide), sulfur dioxide, and carbon monoxide.

(b) Complete initial evaluation of the continuous emission monitoring systems within 180 days after the final compliance date required by 6 NYCRR Subpart 219-8.

(c) For initial and annual evaluations, collect data concurrently (or within 30 to 60 minutes) using oxygen (or carbon dioxide), sulfur dioxide, or carbon monoxide continuous emission monitoring systems, as appropriate, and the appropriate test methods specified in Table 6 of 40 CFR 60, Subpart BBBB. Permittee shall collect the data during each initial and annual evaluation of the continuous emission monitoring systems following the applicable performance specifications outlined in Table 7 of 40 CFR 60, Subpart BBBB.

(d) Permittee shall follow the quality assurance



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

procedures in Procedure 1 of Appendix F of 40 CFR 60 for each continuous emission monitoring system. The procedures include daily calibration drift and quarterly accuracy determinations.

(e) In accordance with 40CFR 60.1735, oxygen (or carbon dioxide) continuous emission monitoring systems are exempt from the following two requirements:

(1) Section 2.3 of Performance Specification 3 (relative accuracy requirement) in appendix B of 40 CFR Part 60.

(2) Section 5.1.1 of appendix F (relative accuracy test audit) of 40 CFR Part 60.

(f) In accordance with 40CFR 60.1740, permittee shall conduct annual evaluations of continuous emission monitoring systems no more than 13 months after the previous evaluation was conducted.

(g) In accordance with 40CFR 60.1765, permittee shall use the required span values and applicable performance specifications in Table 7 of 40 CFR 60 Subpart BBBB.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1750, Subpart BBBB

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous emission monitoring systems data collection requirements:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(a) Where continuous emission monitoring systems are required, Permittee shall obtain 1- hour arithmetic averages. The averages for all measured pollutants must be in parts per million by dry volume at 7 percent oxygen (or the equivalent carbon dioxide level). The 1- hour averages of oxygen (or carbon dioxide) data from the continuous emission monitoring system shall be used to determine the actual oxygen (or carbon dioxide) level and to calculate emissions at 7 percent oxygen (or the equivalent carbon dioxide level).

(b) Permittee shall obtain at least two data points per hour in order to calculate a valid 1- hour arithmetic average. In accordance with 40 CFR 60.13(e)(2) , the continuous emission monitoring systems must complete at least one cycle of operation (sampling, analyzing, and data recording) for each 15-minute period.

(c) Permittee shall obtain valid 1-hour averages for 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter. An operating day is any day the unit combusts any municipal solid waste.

(d) If Permittee does not obtain the minimum data required in paragraphs (a) through (c) of this condition, Permittee is in violation of the data collection requirement regardless of the emission level monitored, and must notify the Department according to 40 CFR 60.1885(e).

(e) If Permittee does not obtain the minimum data required in paragraphs (a) through (c) of this section, you must still use all valid data from the continuous emission monitoring systems in calculating emission concentrations and percent reductions in accordance with 40 CFR 60.1755.

(f) In accordance with 40CFR60.1770, permittee shall refer to Table 7 of 40 CFR 60, Subpart BBBB for alternate methods to be used for collecting data when systems malfunction or when repairs, calibration checks, or zero and span checks keep you from collecting the minimum amount of data.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1755, Subpart BBBB

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall follow the following procedure for conversion of 1 hr. arithmetic averages into appropriate averaging time and units:

(a) Use the equation in 40CFR 60.1935(a) to calculate emissions at 7 percent oxygen.

(b) Use EPA Reference Method 19 in appendix A of Part 60, section 4.3, to calculate the daily geometric average concentrations of sulfur dioxide emissions. If you are monitoring the percent reduction of sulfur dioxide, use EPA Reference Method 19 in appendix A of Part 60, section 5.4, to determine the daily geometric average percent reduction of potential sulfur dioxide emissions.

(c) Use EPA Reference Method 19 in appendix A of Part 60, section 4.1, to calculate the 4-hour or 24-hour daily block averages (as applicable) for concentrations of carbon monoxide.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 61: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1760, Subpart BBBB

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous opacity monitoring system requirements:

- (a) Permittee shall install, calibrate, maintain, and operate a continuous opacity monitoring system.
- (b) Install, evaluate, and operate each continuous opacity monitoring system according to 40 CFR 60.13.
- (c) Complete an initial evaluation of the continuous opacity monitoring system according to Performance Specification 1 in Appendix B of 40 CFR 60, and complete the evaluation by 180 days after the final compliance date required by 6 NYCRR Subpart 219-8.
- (d) Complete each annual evaluation of the continuous opacity monitoring system no more than 13 months after the previous evaluation.
- (e) Use tests conducted according to EPA Reference Method 9 in Appendix A of 40 CFR 60, as specified in 40 CFR 60.1790, to determine compliance with the opacity limit in this permit. The data obtained from the continuous opacity monitoring system shall not be used to determine compliance with the opacity limit.
- (f) In accordance with 40 CFR 60.1765, Permittee shall use the required span values and applicable performance specifications in Table 7 of 40 CFR 60, Subpart BBBB.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Condition 62: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1775, Subpart BBBB

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall comply with the following Stack testing requirements in accordance with 40CFR 60.1775, 60.1780, 60.1785, 60.1790 and 60.1800:

- (a) Permittee shall conduct initial and annual stack tests to measure the emission levels of dioxins/furans, cadmium, lead, mercury, particulate matter, opacity, hydrogen chloride, and fugitive ash to demonstrate compliance with the applicable emission limits specified in this permit. Initial stack tests for these pollutants shall be conducted no later than November 8, 2004. Annual stack test shall be conducted no later than 13 months after the previous stack test. You may not deviate from the 13-month testing schedule unless you apply to the Department for an alternative schedule, and the Department approves your request for alternate scheduling prior to the date on which you would otherwise have been required to conduct the next stack test.
- (b) Permittee shall follow Table 8 of 40 CFR 60, Subpart BBBB to establish the sampling location and to determine pollutant concentrations, number of traverse points, individual test methods, and other specific testing requirements for the different pollutants.
- (c) Stack tests for all the pollutants shall consist of at least three test runs, as specified in 40 CFR 60.8. The average of the pollutant emission concentrations from the three test runs shall be used to determine compliance with the applicable emission limits in this permit.



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

(d) Permittee shall obtain an oxygen (or carbon dioxide) measurement during the stack tests to determine diluent gas levels, as specified in 40 CFR 60.1720.

(e) The equations in 40 CFR 60.1935(a) shall be used to calculate emission levels at 7 percent oxygen (or an equivalent carbon dioxide basis), the percent reduction in potential hydrogen chloride emissions, and the reduction efficiency for mercury emissions. Permittee shall refer to the individual test methods in Table 6 of 40 CFR 60, Subpart BBBB for other required equations.

(f) Permittee may apply to the Department for approval under 40 CFR 60.8(b) to use a reference method with minor changes in methodology, use an equivalent method, use an alternative method the results of which the department has determined are adequate for demonstrating compliance, waive the requirement for a performance test because Permittee has demonstrated compliance by other means, or use a shorter sampling time or smaller sampling volume.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 63: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1795(a), Subpart BBBB

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Alternative stack testing schedule for dioxin/furans, cadmium, lead, mercury, particulate matter, opacity, hydrogen chloride, and fugitive ash at Class II small MWC units:

Permittee may, at a Class II small MWC plant, test less

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



often for dioxins/furans, cadmium, lead, mercury, particulate matter, opacity, hydrogen chloride, and fugitive ash if all stack tests for the given pollutant over 3 consecutive years show compliance with the applicable emission limit. If 3 consecutive years of compliance are shown for a given pollutant, Permittee is not required to conduct a stack test for that pollutant for the next 2 years. However, Permittee must conduct another stack test within 36 months of the anniversary date of the third consecutive stack test that shows Permittee complies with the emission limit. Thereafter, Permittee must perform stack tests every 3rd year but no later than 36 months following the previous stack tests. If a stack test for a given pollutant shows noncompliance with the applicable emission limit, Permittee must conduct annual stack tests for the given pollutant until all stack tests over 3 consecutive years show compliance with the emission limit for the pollutant.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 64: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1795(b), Subpart BBBB

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternative dioxins/furans emissions stack testing at Class II small MWC plants:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(a) Permittee may test less often for dioxins/furans emissions if all municipal waste combustion units have demonstrated levels of dioxins/furans emissions (less than or equal to the limit specified in this condition), for 2 consecutive years. In this case, Permittee may choose to conduct annual stack tests on only one municipal waste combustion unit per year. This provision only applies to stack testing for dioxins/furans emissions.

(b) Permittee shall conduct the annual stack test no more than 13 months following a stack test on any municipal waste combustion unit. A minimum sampling time of 4 hours per test run is required. Compliance shall be based on a 3-run average. Each year, Permittee shall test a different municipal waste combustion unit and shall test all municipal waste combustion units in a sequence that Permittee determines. Once Permittee determines a testing sequence, it must not be changed without approval by the Department. In accordance with 40 CFR 60.1800, Permittee may not deviate from the 13- month testing schedule unless Permittee applies to the Department for an alternative schedule, and the Department approves Permittee's request for alternate scheduling prior to the date on which Permittee would otherwise have been required to conduct the next stack test.

(c) If each annual stack test shows levels of dioxins/furans emissions less than or equal to the limit specified in this condition, Permittee may continue stack tests on only one municipal waste combustion unit per year.

(d) If any annual stack test indicates levels of dioxins/furans emissions greater than the limit specified in this condition, Permittee shall conduct subsequent annual stack tests on all municipal waste combustion units. Permittee may return to testing one municipal waste combustion unit per year if Permittee can demonstrate dioxins/furans emissions levels less than or equal to the limit specified in this condition, for all municipal waste combustion units for 2 consecutive years.

Upper Permit Limit: 30 nanograms per dry standard cubic meter (corrected to 7% O₂)

Reference Test Method: EPA Ref. Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 65: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1805, Subpart BBBB

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall comply with the following MWC load level, temperature and carbon feed rate monitoring requirements in accordance with 40 CFR 60.1805, 60.1810, 60.1815, 60.1820 and 60.1825:

(a) Permittee must monitor the load level of each municipal waste combustion unit. For each municipal waste combustion unit that generates steam, Permittee must install, calibrate, maintain, and operate a steam flow meter or a feed water flow meter and meet the following five requirements:

(1) Continuously measure and record the measurements of steam (or feed water) in kilograms (or pounds) per hour.

(2) Calculate steam (or feed water) flow in 4-hour block averages.

(3) The steam flow meter or feed water flow meter used must be acceptable to the Department.

(4) Before each dioxins/furans stack test, or at least once a year, calibrate all signal conversion elements associated with steam (or feed water) flow measurements according to the manufacturer instructions.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(b) If Permittee's municipal waste combustion units do not generate steam, or, if Permittee's municipal waste combustion units have shared steam systems and steam load cannot be estimated per unit, Permittee must determine, to the satisfaction of the Department, one or more operating parameters that can be used to continuously estimate load level (for example, the feed rate of municipal solid waste). Permittee must continuously monitor the selected parameters.

(c) Permittee must install, calibrate, maintain, and operate a device to continuously measure the temperature of the flue gas stream at the inlet of each particulate matter control device.

(d) For each municipal waste combustion unit that uses activated carbon to control dioxins/furans or mercury emissions, Permittee must meet the following three requirements:

(1) Select a carbon injection system operating parameter that can be used to calculate carbon feed rate (for example, screw feeder speed).

(2) During each dioxins/furans and mercury stack test, determine the average carbon feed rate in kilograms (or pounds) per hour. Also, determine the average operating parameter level that correlates to the carbon feed rate and establish a relationship between the operating parameter and the carbon feed rate in order to calculate the carbon feed rate based on the operating parameter level.

(3) Continuously monitor the selected operating parameter during all periods when the municipal waste combustion unit is operating and combusting waste and calculate the 8-hour block average carbon feed rate in kilograms (or pounds) per hour, based on the selected operating parameter. When calculating the 8-hour block average, Permittee must do two things:

(i) Exclude hours when the municipal waste combustion unit is not operating.

(ii) Include hours when the municipal waste combustion unit is operating but the carbon feed system is not working correctly.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(e) Where continuous parameter monitoring systems are used, Permittee must obtain 1-hour arithmetic averages for the following three parameters:

(1) Load level of the municipal waste combustion unit.

(2) Temperature of the flue gases at the inlet of the particulate matter control device.

(3) Carbon feed rate if activated carbon is used to control dioxins/furans or mercury emissions.

(f) Permittee must obtain at least two data points per hour in order to calculate a valid 1-hour arithmetic average.

(g) Permittee must obtain valid 1-hour averages for at least 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter. An operating day is any day the unit combusts any municipal solid waste.

(h) If Permittee fails to obtain the minimum data required in paragraphs (e) through (g) of this condition, Permittee is in violation of the data collection requirement, and must notify the Department.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 66: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1830, Subpart BBBB

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 66.2:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee must keep four types of records:

- (a) Operator training and certification.
- (b) Stack tests.
- (c) Continuously monitored pollutants and parameters.
- (d) Carbon feed rate.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 67: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1835, Subpart BBBB

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall:

- (a) Keep all records onsite in paper copy or electronic format unless the Department approves another format.
- (b) Keep all records on each municipal waste combustion unit for at least 5 years.
- (c) Make all records available for submittal to the Department, or for onsite review by a Department

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



representative.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 68: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1840, Subpart BBBB

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall keep the following six records for operator training and certification:

(a) Records of provisional certifications. Include three items:

(1) For your municipal waste combustion plant, names of the chief facility operator, shift supervisors, and control room operators who are provisionally certified by the American Society of mechanical Engineers or an equivalent State-approved certification program.

(2) Dates of the initial provisional certifications.

(3) Documentation showing current provisional certifications.

(b) Records of full certifications. Include three items:

(1) For your municipal waste combustion plant, names of the chief facility operator, shift supervisors, and control room operators who are fully certified by the American Society of Mechanical Engineers or an equivalent State-approved certification program.

(2) Dates of initial and renewal full



certifications.

(3) Documentation showing current full certifications.

(c) Records showing completion of the operator training course. Include three items:

(1) For your municipal waste combustion plant, names of the chief facility operator, shift supervisors, and control room operators who have completed the EPA or State municipal waste combustion operator training course.

(2) Dates of completion of the operator training course.

(3) Documentation showing completion of operator training course.

(d) Records of reviews for plant-specific operating manuals. Include three items:

(1) Names of persons who have reviewed the operating manual.

(2) Date of the initial review.

(3) Dates of subsequent annual reviews.

(e) Records of when a certified operator is temporarily offsite. Include two main items:

(1) If the certified chief facility operator and certified shift supervisor are offsite for more than 12 hours, but for 2 weeks or less, and no other certified operator is onsite, record the dates that the certified chief facility operator and certified shift supervisor were offsite.

(2) When all certified chief facility operators and certified shift supervisors are offsite for more than 2 weeks and no other certified operator is onsite, keep records of four items:

(i) Your notice that all certified persons are offsite.



(ii) The conditions that cause those people to be offsite.

(iii) The corrective actions you are taking to ensure a certified chief facility operator or certified shift supervisor is onsite.

(iv) Copies of the written reports submitted every 4 weeks that summarize the actions taken to ensure that a certified chief facility operator or certified shift supervisor will be onsite.

(f) Records of calendar dates. Include the calendar date on each record.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1845, Subpart BBBB

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall keep the following four records for stack tests required under 40 CFR 60.1775:

(a) The results of the stack tests for the following eight pollutants or parameters recorded in the appropriate units of measure specified in Table 2 or 4 of 40 CFR 60, Subpart BBBB:

(1) Dioxins/furans.

(2) Cadmium.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



- (3) Lead.
- (4) Mercury.
- (5) Opacity.
- (6) Particulate matter.
- (7) Hydrogen chloride.
- (8) Fugitive ash.
- (b) Test reports including supporting calculations that document the results of all stack tests.
- (c) The maximum demonstrated load of your municipal waste combustion units and maximum temperature at the inlet of your particulate matter control device during all stack tests for dioxins/furans emissions.
- (d) The calendar date of each record.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1850, Subpart BBBB

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall keep the following eight records for continuously monitored pollutants or parameters:

- (a) Records of monitoring data including:



- (1) All 6-minute average levels of opacity.
 - (2) All 1-hour average concentrations of sulfur dioxide emissions.
 - (3) All 1-hour average concentrations of carbon monoxide emissions.
 - (4) All 1-hour average load levels of your municipal waste combustion unit.
 - (5) All 1-hour average flue gas temperatures at the inlet of the particulate matter control device.
- (b) Records of average concentrations and percent reductions including:
- (1) All 24-hour daily block geometric average concentrations of sulfur dioxide emissions or average percent reductions of sulfur dioxide emissions.
 - (2) All 4-hour block or 24-hour daily block arithmetic average concentrations of carbon monoxide emissions.
 - (3) All 4-hour block arithmetic average load levels of your municipal waste combustion unit.
 - (4) All 4-hour block arithmetic average flue gas temperatures at the inlet of the particulate matter control device.
- (c) Records of exceedances including the following three items:
- (1) Calendar dates whenever any of the five pollutant or parameter levels recorded in paragraph (b) of this condition or the opacity level recorded in subparagraph (a)(1) of this condition did not meet the emission limits or operating levels specified in 40 CFR 60, Subpart BBBB.
 - (2) Reasons you exceeded the applicable emission limits or operating levels.
 - (3) Corrective actions you took, or are taking, to meet

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



the emission limits or operating levels.

(d) Records of minimum data including the following three items:

(1) Calendar dates for which you did not collect the minimum amount of data required under 40 CFR 60.1750 and 60.1825. Record those dates for the following four types of pollutants and parameters:

(i) Sulfur dioxide emissions.

(ii) Carbon monoxide emissions.

(iii) Load levels of your municipal waste combustion unit.

(iv) Temperatures of the flue gases at the inlet of the particulate matter control device.

(2) Reasons you did not collect the minimum data.

(3) Corrective actions you took or are taking to obtain the required amount of data.

(e) Records of exclusions. Document each time you have excluded data from your calculation of averages for any of the following four pollutants or parameters and the reasons the data were excluded:

(1) Sulfur dioxide emissions.

(2) Carbon monoxide emissions.

(3) Load levels of your municipal waste combustion unit.

(4) Temperatures of the flue gases at the inlet of the particulate matter control device.

(f) Records of drift and accuracy. Document the results of your daily drift tests and quarterly accuracy determinations according to Procedure 1 of appendix F of 40 CFR Part 60. Keep those records for the sulfur dioxide and carbon monoxide continuous emissions monitoring systems.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(g) Records of the relationship between oxygen and carbon dioxide. If you choose to monitor carbon dioxide instead of oxygen as a diluent gas, document the relationship between oxygen and carbon dioxide, as specified in 40 CFR 60.1745.

(h) Records of calendar dates. Include the calendar date on each record.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 71: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1855, Subpart BBBB

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall keep the following five records for each municipal waste combustion unit that uses activated carbon to control dioxins/furans or mercury emissions:

(a) Records of average carbon feed rate. Document the following five items:

(1) Average carbon feed rate in kilograms (or pounds) per hour during all stack tests for dioxins/furans and mercury emissions. Include supporting calculations in the records.

(2) For the operating parameter chosen to monitor carbon feed rate, average operating level during all stack tests for dioxins/furans and mercury emissions. Include supporting data that document the relationship between the operating parameter and the carbon feed rate.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(3) All 8-hour block average carbon feed rates in kilograms (or pounds) per hour calculated from the monitored operating parameter.

(4) The amount of carbon for each purchase and delivery to the municipal waste combustion plant. If you choose to evaluate the amount of carbon for each purchase and delivery on a municipal waste combustion unit basis, record the amount of carbon for each purchase and delivery for each individual municipal waste combustion unit at your plant. Include supporting documentation.

(5) Required MWC plant carbon usage for each carbon delivery period*. If you choose to evaluate the required carbon usage for each carbon delivery period on a municipal waste combustion unit basis, record the required carbon usage for each carbon delivery period for each municipal waste combustion unit at your plant. The required usage of carbon for each carbon delivery period shall be calculated using equation 4 or 5 in 40 CFR 60.1935(f), except that required usage shall be calculated on a carbon delivery period basis rather than a calendar quarter basis. Include supporting calculations.

*For the purposes of this requirement, "carbon delivery period" shall be the period between carbon deliveries to the MWC plant.

(b) Records of low carbon feed rates. Document the following three items:

(1) The calendar dates when the average carbon feed rate over an 8-hour block was less than the average carbon feed rates determined during the most recent stack test for dioxins/furans or mercury emissions (whichever has a higher feed rate).

(2) Reasons for the low carbon feed rates.

(3) Corrective actions you took or are taking to meet the 8-hour average carbon feed rate requirement.

(c) Records of minimum carbon feed rate data. Document the following three items:

(1) Calendar dates for which you did not collect the minimum amount of carbon feed rate data required under 40



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

CFR 60.1825.

(2) Reasons you did not collect the minimum data.

(3) Corrective actions you took or are taking to get the required amount of data.

(d) Records of exclusions. Document each time you have excluded data from your calculation of average carbon feed rates and the reasons the data were excluded.

(e) Records of calendar dates. Include the calendar date on each record.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 72: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1860, Subpart BBBB

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall submit the following reports, in the format as noted below:

(a) Submit an initial report and annual reports, plus semiannual reports for any emission or parameter level that does not meet the limits specified in Subpart BBBB.

(b) Submit all reports on paper, postmarked on or before the submittal dates in 40 CFR 60.1870, 60.1880, and 60.1895. If the Department agrees, permittee may submit electronic reports.



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

(c) Keep a copy of all reports required by 40 CFR 60.1875, 60.1885 and 60.1900 onsite for 5 years.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1865, Subpart BBBB

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall refer to Tables 2, 3, 4 and 5 of 40 CFR 60, Subpart BBBB for appropriate units of measurement for reporting emissions data.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1880, Subpart BBBB

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Monitoring Description:

This facility is subject to Title V permitting and must report on monitoring data semi-annually.

Summaries of data listed in 40 CFR 60.1885 shall be reported semiannually in accordance with 6NYCRR 201-6.5(c)(3)(ii). The semiannual reports shall be submitted within 30 days after the end of the semiannual calendar period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 75: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1885, Subpart BBBB

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each semi-annual calendar period, the permittee shall summarize data collected for all pollutants and parameters regulated under 40 CFR 60, Subpart BBBB. The summary must include the following twelve items:

(a) The results of the annual stack test, using appropriate units, for the following eight pollutants or parameters, as recorded under 40 CFR 60.1845(a):

(1) Dioxins/furans.

(2) Cadmium.

(3) Lead.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(4) Mercury.

(5) Opacity.

(6) Particulate matter.

(7) Hydrogen chloride.

(8) Fugitive ash.

(b) A list of the highest average levels recorded, in the appropriate units. List those values for the following four pollutants or parameters:

(1) Sulfur dioxide emissions.

(2) Carbon monoxide emissions.

(3) Load level of the municipal waste combustion unit.

(4) Temperature of the flue gases at the inlet of the particulate matter air pollution control device (4-hour block average).

(c) The highest 6-minute opacity level measured. Base the value on all 6-minute average opacity levels recorded by your continuous opacity monitoring system (40 CFR 60.1850(a)(1)).

(d) For municipal waste combustion units that use activated carbon for controlling dioxins/furans or mercury emissions, include the following four records:

(1) The average carbon feed rates recorded during the most recent dioxins/furans and mercury stack tests.

(2) The lowest 8-hour block average carbon feed rate recorded during the year.

(3) The amount of carbon for each purchase and delivery to the municipal waste combustion plant. If you choose to evaluate the amount of carbon for each purchase and delivery on a municipal waste combustion unit basis, record the amount of carbon for each purchase and delivery for each individual municipal waste combustion unit at your plant.



(4) Required MWC plant carbon usage for each carbon delivery period*. If you choose to evaluate the required carbon usage for each carbon delivery period on a municipal waste combustion unit basis, record the required carbon usage for each carbon delivery period for each municipal waste combustion unit at your plant. The required usage of carbon for each carbon delivery period shall be calculated using equation 4 or 5 in 40 CFR 60.1935(f), except that required usage shall be calculated on a carbon delivery period basis rather than a calendar quarter basis.

*For the purposes of this requirement, "carbon delivery period" shall be the period between carbon deliveries to the MWC plant.

(e) The total number of days that you did not obtain the minimum number of hours of data for five pollutants or parameters. Include the reasons you did not obtain the data and corrective actions that you have taken to obtain the data in the future. Include data on:

- (1) Sulfur dioxide emissions.
- (2) Carbon monoxide emissions.
- (3) Load level of the municipal waste combustion unit.
- (4) Temperature of the flue gases at the inlet of the particulate matter air pollution control device.
- (5) Carbon feed rate.

(f) The number of hours you have excluded data from the calculation of average levels (include the reasons for excluding it). Include data for the following five pollutants or parameters:

- (1) Sulfur dioxide emissions.
- (2) Carbon monoxide emissions.
- (3) Load level of the municipal waste combustion unit.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(4) Temperature of the flue gases at the inlet of the particulate matter air pollution control device.

(5) Carbon feed rate.

(g) A notice of your intent to begin a reduced stack testing schedule for dioxins/furans emissions during the following calendar year if you are eligible for alternative scheduling (40 CFR 60.1795(a) or (b)).

(h) A notice of your intent to begin a reduced stack testing schedule for other pollutants during the following calendar year if you are eligible for alternative scheduling (40 CFR 60.1795(a)).

(i) A summary of any emission or parameter level that did not meet the limits specified in 40 CFR 60, Subpart BBBB.

(j) A summary of the data in paragraphs (a) through (d) of this condition for the three semi-annual periods preceding the reporting period which gives the department a summary of the performance of the municipal waste combustion unit over a 2-year period.

(k) If you choose to monitor carbon dioxide instead of oxygen as a diluent gas, documentation of the relationship between oxygen and carbon dioxide, as specified in 40 CFR 60.1745.

(l) Documentation of periods when all certified chief facility operators and certified shift supervisors are offsite for more than 12 hours.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 76: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1890, Subpart BBBB

Item 76.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Emission Unit: 1-INCIN

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall submit a semiannual report on any recorded emission or parameter level that does not meet the requirements specified in 40 CFR 60, Subpart BBBB.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 77: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1895, Subpart BBBB

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Out-of-compliance emission or parameter data listed in 40 CFR 60.1900 shall be reported semi-annually in accordance with 6NYCRR 201-6.5(c)(3)(ii). The semiannual reports shall be submitted within 30 days after the end of each semi-annual calendar period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 78: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1900, Subpart BBBB

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permitte shall include the following three items in any semi-annual out-of-compliance report:

(a) For any of the following five pollutants or parameters that exceeded the limits specified in 40 CFR 60, Subpart BBBB, include the calendar date they exceeded the limits, the averaged and recorded data for that date, the reasons for exceeding the limits, and your corrective actions:

(1) Concentration or percent reduction of sulfur dioxide emissions.

(2) Concentration of carbon monoxide emissions.

(3) Load level of your municipal waste combustion unit.

(4) Temperature of the flue gases at the inlet of your particulate matter air pollution control device.

(5) Average 6-minute opacity level. The data obtained from your continuous opacity monitoring system are not used to determine compliance with the limit on opacity emissions.

(b) If the results of your annual stack tests (as recorded in 40 CFR 60.1845(a)) show emissions above the limits specified in Table 2 or 4 of Subpart BBBB as applicable for dioxins/furans, cadmium, lead, mercury, particulate matter, opacity, hydrogen chloride, and fugitive ash, include a copy of the test report that documents the emission levels and your corrective actions.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(c) For municipal waste combustion units that apply activated carbon to control dioxins/furans or mercury emissions, include the following two items:

(1) Documentation of all dates when the 8-hour block average carbon feed rate (calculated from the carbon injection system operating parameter) is less than the highest carbon feed rate established during the most recent mercury and dioxins/furans stack test (as specified in 40 CFR 60.1855(a)(1)). Include the following four items:

(i) Eight-hour average carbon feed rate.

(ii) Reasons for occurrences of low carbon feed rates.

(iii) The corrective actions you have taken to meet the carbon feed rate requirement.

(iv) The calendar date.

(2) Documentation of each instance that the amount carbon purchased and delivered to the municipal waste combustion plant was less than the required usage amount of carbon for the preceding carbon delivery period*. If you choose to evaluate the amount of carbon purchased and delivered on a municipal waste combustion unit basis, record the amount of carbon purchased and delivered for each individual municipal waste combustion unit at your plant.

*For the purposes of this requirement, "carbon delivery period" shall be the period between carbon deliveries to the MWC plant.

Include the following five items:

(i) Amount of carbon purchased and delivered to the plant.

(ii) Required usage of carbon for each carbon delivery period.

(iii) Reasons for not meeting the required usage of carbon for each carbon delivery period.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(iv) The corrective actions you have taken to meet the required usage of carbon for each carbon delivery period.

(v) The calendar date.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 79: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1905, Subpart BBBB

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requests to change semiannual or annual reporting dates:

(a) If the Department agrees, permittee may change the semiannual or annual reporting dates.

(b) Permittee should refer to 40 CFR 60.19(c) for procedures to seek approval to change the reporting date.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 80: Contaminant List
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: ECL 19-0301

Item 80.1:

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



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

CAS No: 001746-01-6

Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 068131-74-8

Name: ASHES (RESIDUES)

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-97-6

Name: MERCURY

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 81: Unavoidable noncompliance and violations
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 201-1.4

Item 81.1:

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



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 82: Air pollution prohibited
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 211.2

Item 82.1:

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Condition 83: Compliance Demonstration
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 201-1.4

Item 83.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-INCIN

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

An interlock system must be present such that the incinerators cannot be charged with refuse when the air pollution control equipment is bypassed either through the incinerator bypass stack or the baghouse bypass system. The Department reserves the right to require a demonstration of this capability. A report verifying this capability must be submitted to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE MATERIAL

Parameter Monitored: CHARGE

Upper Permit Limit: 0 pounds

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 84: Compliance Demonstration
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 617.11(d)

Item 84.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-INCIN

Item 84.2:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The incinerator units must be designed and operated such that the minimum residence time in the secondary combustion chamber is 0.75 seconds. Documentation verifying compliance must be submitted to the Department upon request.

Parameter Monitored: RESIDENCE TIME

Lower Permit Limit: 0.75 seconds

Monitoring Frequency: SINGLE OCCURRENCE

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 85: Compliance Demonstration
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 617.11(d)

Item 85.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-INCIN

Item 85.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Permittee shall continuously monitor and record secondary chamber temperature. The secondary chamber temperature must not fall below 1600 degrees Fahrenheit at all times while waste is being combusted. A log shall be kept of readings taken once per shift of all key operating settings and outputs.

Manufacturer Name/Model Number: An Acceptable Monitoring Device is Required

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1600 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

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

New York State Department of Environmental Conservation
Permit ID: 7-3558-00013/00015 Facility DEC ID: 7355800013



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

**New York State Department of Environmental Conservation
Facility DEC ID: 7355800013**



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

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-3558-00013/00015
Effective Date: 09/25/2007 Expiration Date: 09/24/2012

Permit Issued To: OSWEGO COUNTY
46 E BRIDGE ST
OSWEGO, NY 13126-2118

Facility: OSWEGO CO ENERGY RECOVERY FAC
2801 ST RTE 481
FULTON, NY 13069

Contact: FRANK J VISSER
OSWEGO CO ENERGY RECOVERY FACILITY
2801 ST RTE 481
FULTON, NY 13069
(315) 591-9280

Description:

The Oswego Co Energy Recovery Facility consists of four 50 ton per day capacity municipal waste incinerators. Emissions from the facility are controlled by two air pollution control trains each consisting of a spray dryer scrubber and fabric filter. This permit is a renewal of the facility's Title V operating permit. The significant changes from the original permit involve the inclusion of requirements found in 40 CFR 60 Subpart BBBB incorporated by reference in 6 NYCRR Part 219-8.

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

Permit Administrator: JOHN H MERRIMAN, JR
1285 FISHER AVE
CORTLAND, NY 13045-1090

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department
Relationship of this Permit to Other Department Orders and Determinations
Applications for permit renewals, modifications and transfers
Applications for Permit Renewals and Modifications
Permit modifications, suspensions or revocations by the Department
Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 7
HEADQUARTERS
Submission of application for permit modification or renewal-REGION 7
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, modifications and transfers
Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:



New York State Department of Environmental Conservation
Facility DEC ID: 7355800013

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

Condition 4: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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

Item 4.2:

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

Item 4.3:

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

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

Item 5.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

Item 6.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;

New York State Department of Environmental Conservation
Facility DEC ID: 7355800013



- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

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

Item 7.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400

Condition 8: Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(a)

Item 8.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: OSWEGO COUNTY
46 E BRIDGE ST
OSWEGO, NY 13126-2118

Facility: OSWEGO CO ENERGY RECOVERY FAC
2801 ST RTE 481
FULTON, NY 13069

Authorized Activity By Standard Industrial Classification Code:
4953 - REFUSE SYSTEMS
9999 - NONCLASSIFIABLE ESTABLISHMENTS

Permit Effective Date: 09/25/2007

Permit Expiration Date: 09/24/2012



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

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

Emission Unit Level

- 25 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 26 6NYCRR 201-6: Process Definition By Emission Unit

EU=1-INCIN

- 27 6NYCRR 219-5.3(a): Compliance Certification
- 28 6NYCRR 219-5.4(a): Emissions testing.
- 29 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 30 40CFR 60.11(d), NSPS Subpart A: Compliance with Standards and Maintenance Requirements
- 31 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 32 40CFR 60.53(a), NSPS Subpart E: Compliance Certification
- 33 40CFR 60.53(a), NSPS Subpart E: Compliance Certification
- 34 40CFR 60.1660, Subpart BBBB: Plant Specific Training



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

- 35 40CFR 60.1665, Subpart BBBBB: Information that must be included in the Plant-Specific Operating Manual
- 36 40CFR 60.1670, Subpart BBBBB: Location for keeping the plant specific operating manual
- 37 40CFR 60.1675, Subpart BBBBB: Operator Certification for Chief Facility Operator and Shift Supervisor - Class II MWC Units
- 38 40CFR 60.1680, Subpart BBBBB: Employees that may operate MWC units.
- 39 40CFR 60.1685, Subpart BBBBB: Operation of MWC Unit when Certified Operator is Temporarily Off-Site
- 40 40CFR 60.1690, Subpart BBBBB: Compliance Certification
- 41 40CFR 60.1690, Subpart BBBBB: Compliance Certification
- 42 40CFR 60.1695, Subpart BBBBB: Compliance Certification
- 43 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 44 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 45 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 46 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 47 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 48 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 49 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 50 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 51 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 52 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 53 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 54 40CFR 60.1705(a)(2), Subpart BBBBB: Compliance Certification
- 55 40CFR 60.1705(a)(3), Subpart BBBBB: Compliance Certification
- 56 40CFR 60.1710, Subpart BBBBB: Compliance Certification
- 57 40CFR 60.1720, Subpart BBBBB: Compliance Certification
- 58 40CFR 60.1730, Subpart BBBBB: Compliance Certification
- 59 40CFR 60.1750, Subpart BBBBB: Compliance Certification
- 60 40CFR 60.1755, Subpart BBBBB: Compliance Certification
- 61 40CFR 60.1760, Subpart BBBBB: Compliance Certification
- 62 40CFR 60.1775, Subpart BBBBB: Compliance Certification
- 63 40CFR 60.1795(a), Subpart BBBBB: Compliance Certification
- 64 40CFR 60.1795(b), Subpart BBBBB: Compliance Certification
- 65 40CFR 60.1805, Subpart BBBBB: Compliance Certification
- 66 40CFR 60.1830, Subpart BBBBB: Compliance Certification
- 67 40CFR 60.1835, Subpart BBBBB: Compliance Certification
- 68 40CFR 60.1840, Subpart BBBBB: Compliance Certification
- 69 40CFR 60.1845, Subpart BBBBB: Compliance Certification
- 70 40CFR 60.1850, Subpart BBBBB: Compliance Certification
- 71 40CFR 60.1855, Subpart BBBBB: Compliance Certification
- 72 40CFR 60.1860, Subpart BBBBB: Compliance Certification
- 73 40CFR 60.1865, Subpart BBBBB: Compliance Certification
- 74 40CFR 60.1880, Subpart BBBBB: Compliance Certification
- 75 40CFR 60.1885, Subpart BBBBB: Compliance Certification
- 76 40CFR 60.1890, Subpart BBBBB: Compliance Certification
- 77 40CFR 60.1895, Subpart BBBBB: Compliance Certification



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

78 40CFR 60.1900, Subpart BBBB: Compliance Certification

79 40CFR 60.1905, Subpart BBBB: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

80 ECL 19-0301: Contaminant List

81 6NYCRR 201-1.4: Unavoidable noncompliance and violations

82 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

EU=1-INCIN

83 6NYCRR 201-1.4: Compliance Demonstration

84 6NYCRR 617.11(d): Compliance Demonstration

85 6NYCRR 617.11(d): Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



order to maintain compliance with the conditions of this permit.

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

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

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 200.6

Item 1.1:

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



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 3: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

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

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of the effective date of this permit.

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:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

50 Wolf Road
Albany, NY 12233-3258

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April
15th each year for emissions of the previous calendar
year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was
determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department
upon request during normal business hours.



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 215

Item 9.1:

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT
TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 12.1:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

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 13: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 17.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes

Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

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

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

Condition 19: Required Emissions Tests
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 20: Visible Emissions Limited
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 211.3

Item 20.1:

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

Condition 21: Accidental release provisions.
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 68

Item 21.1:

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



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

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

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

Condition 22: Recycling and Emissions Reduction
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 22.1:

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

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 23.1:

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

Emission Unit: 1-INCIN

Emission Unit Description:

This unit consists of four identical municipal solid waste incineration trains located within the existing incinerator building. The four incinerators combine into two flues each of which is controlled by a spray dryer scrubber and a fabric filter. The two flues are housed by one stack structure outside the APC building where they



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

exhaust to the atmosphere. The flues are identified as emission points 00005 and 00006.

Building(s): 1
2

Condition 24: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 202-1

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:

All required emission tests, including those required under 40 CFR 60 Subpart BBBB, shall be conducted in accordance with the provisions of 6NYCRR Part 202-1.

Notification and reporting timeframes stated in 6NYCRR Part 202-1 shall apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Condition 25: Emission Point Definition By Emission Unit
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 201-6

Item 25.1:

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

Emission Unit: 1-INCIN

Emission Point: 00005

Height (ft.): 155

Diameter (in.): 42



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

NYTMN (km.): 4800.523 NYTME (km.): 384.431 Building: 2

Emission Point: 00006

Height (ft.): 155

Diameter (in.): 42

NYTMN (km.): 4800.523 NYTME (km.): 384.431 Building: 2

Emission Point: BYP01

Height (ft.): 68

Diameter (in.): 66

NYTMN (km.): 4800.588 NYTME (km.): 384.431 Building: 1

Emission Point: BYP02

Height (ft.): 68

Diameter (in.): 66

NYTMN (km.): 4800.576 NYTME (km.): 384.431 Building: 1

Emission Point: BYP03

Height (ft.): 68

Diameter (in.): 66

NYTMN (km.): 4800.57 NYTME (km.): 384.431 Building: 1

Emission Point: BYP04

Height (ft.): 68

Diameter (in.): 66

NYTMN (km.): 4800.558 NYTME (km.): 384.431 Building: 1

**Condition 26: Process Definition By Emission Unit
Effective between the dates of 09/25/2007 and 09/24/2012**

Applicable Federal Requirement: 6NYCRR 201-6

Item 26.1:

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

Emission Unit: 1-INCIN

Process: RTF

Source Classification Code: 5-01-001-03

Process Description:

MSW is incinerated in four existing incinerators provided with retrofitted air pollution control equipment consisting of spray dryer scrubbers and fabric filters. The incinerators are exhausted through two flues identified as emission points 00005 and 00006.

Each of the four incinerators (INCRT) includes a primary chamber burner (PBURN) and a secondary chamber burner (SBURN). Both burners are fueled by natural gas.

Each of the two air pollution control trains includes a spray dryer scrubber (SDSCB) and a fabric filter (FBFIL).

Emission Source/Control: FBFIL - Control



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Control Type: FABRIC FILTER

Emission Source/Control: SDSCB - Control
Control Type: WET LIME SLURRY SCRUBBING

Emission Source/Control: INCRT - Incinerator
Design Capacity: 50 tons per day
Waste Feed Method: MANUAL DIRECT FEED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Emission Source/Control: PBURN - Process
Design Capacity: 0.5 million Btu per hour

Emission Source/Control: SBURN - Process
Design Capacity: 6 million Btu per hour

Condition 27: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 219-5.3(a)

Item 27.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Incinerators built or installed after January 26, 1967,
limited to less than 20 percent average opacity over any
consecutive six minute period.

Manufacturer Name/Model Number: Thermo Environmental Instruments (TEI) Model 400B
Transmissometer

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: EPA Approved Method
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Condition 28: Emissions testing.
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 6NYCRR 219-5.4(a)

Item 28.1:

This Condition applies to Emission Unit: 1-INCIN

Item 28.2:

The incinerator must be tested using emission tests acceptable to the Commissioner.

Condition 29: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60, NSPS Subpart A

Item 29.1:

This Condition applies to Emission Unit: 1-INCIN

Item 29.2:

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

Condition 30: Compliance with Standards and Maintenance Requirements
Effective between the dates of 09/25/2007 and 09/24/2012

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

Item 30.1:

This Condition applies to Emission Unit: 1-INCIN

Item 30.2:

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

Condition 31: Monitoring requirements.
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.13, NSPS Subpart A

Item 31.1:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

This Condition applies to Emission Unit: 1-INCIN

Item 31.2:

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

Condition 32: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.53(a), NSPS Subpart E

Item 32.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily charging rate must be recorded for each incinerator.

At a minimum, a weekly estimate of total waste combusted and daily hours of operation of each incinerator must be used to determine a daily charging rate for each incinerator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 33: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.53(a), NSPS Subpart E

Item 33.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 33.2:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Daily hours of operation must be recorded for each incinerator.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 34: Plant Specific Training
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1660, Subpart BBBB

Item 34.1:

This Condition applies to Emission Unit: 1-INCIN

Item 34.2:

For plant-specific training, permittee must do four things:

(a) Develop a specific operating manual for the MWC plant within six months after any MWC unit begins start-up following modification to comply with the requirements of 40 CFR 60, Subpart BBBB.

(b) Establish a program to review the plant-specific operating manual with staff whose responsibilities affect the operation of any MWC unit. Complete the initial review by the later of two dates:

(1) Six months after any MWC unit begins start-up following modification to comply with the requirements of 40 CFR 60, Subpart BBBB.

(2) The date before an employee assumes responsibilities that affect operation of any MWC unit.

(c) Manual must be updated annually.

(d) Manual must be reviewed with staff annually.

Condition 35: Information that must be included in the Plant-Specific Operating Manual
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1665, Subpart BBBB

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Item 35.1:

This Condition applies to Emission Unit: 1-INCIN

Item 35.2:

Permittee must include the following 11 items in the plant-specific operating manual:

- (a) A summary of all applicable 40 CFR 60, Subpart BBBB requirements.
- (b) A description of the basic combustion principles that apply to MWC units.
- (c) Procedures for receiving, handling, and feeding municipal solid waste.
- (d) Procedures to be followed during periods of startup, shutdown, and malfunction of any MWC unit.
- (e) Procedures for maintaining a proper level of combustion air supply.
- (f) Procedures for operating MWC unit(s) in compliance with the requirements contained in 40 CFR 60, Subpart BBBB.
- (g) Procedures for responding to periodic upset or off-specification conditions.
- (h) Procedures for minimizing carryover of particulate matter.
- (i) Procedures for handling ash.
- (j) Procedures for monitoring emissions from MWC unit(s).
- (k) Procedures for recordkeeping and reporting.

**Condition 36: Location for keeping the plant specific operating manual
Effective between the dates of 09/25/2007 and 09/24/2012**

Applicable Federal Requirement: 40CFR 60.1670, Subpart BBBB

Item 36.1:

This Condition applies to Emission Unit: 1-INCIN

Item 36.2:

The operating manual must be kept in an easily accessible location at the plant. It must be available for review or inspection by all employees who are required to undergo plant-specific training, and by the Department upon request.

Condition 37: Operator Certification for Chief Facility Operator and



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Shift Supervisor - Class II MWC Units
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1675, Subpart BBBB

Item 37.1:

This Condition applies to Emission Unit: 1-INCIN

Item 37.2:

(a) Each chief facility operator and shift supervisor must obtain and keep a current provisional operator certification from the American Society of Mechanical Engineers (QRO-1-1994).

(b) Each chief facility operator and shift supervisor must obtain a provisional certification by the later of :

(1) November 12, 2004.

(2) Six months after any MWC unit begins start-up following modification to comply with the requirements of 40 CFR 60, Subpart BBBB..

(3) Six months after they transfer to any MWC unit or 6 months after they are hired to work at any MWC unit.

(c) Each chief facility operator and shift supervisor must obtain a full certification from the American Society of Mechanical Engineers or schedule a full certification exam with the American Society of Mechanical Engineers (QRO-1-1994) by the later of:

(1) November 12, 2004.

(2) Six months after any MWC unit begins start-up following modification to comply with the requirements of 40 CFR 60, Subpart BBBB.

(3) Six months after they transfer to any MWC unit or 6 months after they are hired to work at any MWC unit.

Condition 38: Employees that may operate MWC units.

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1680, Subpart BBBB

Item 38.1:

This Condition applies to Emission Unit: 1-INCIN

Item 38.2:

Following the required date provided in 40 CFR 60.1675 for full or provisional operator certification, Permittee must not operate any MWC unit unless one of the following four employees is on duty:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

- (1) A fully certified chief facility operator.
- (2) A provisionally certified chief facility operator who is scheduled to take the full certification exam.
- (3) A fully certified shift supervisor.
- (4) A provisionally certified shift supervisor who is scheduled to take the full certification exam.

Condition 39: Operation of MWC Unit when Certified Operator is Temporarily Off-Site Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1685, Subpart BBBB

Item 39.1:

This Condition applies to Emission Unit: 1-INCIN

Item 39.2:

If the certified chief facility operator and certified shift supervisor are both unavailable, a provisionally certified control room operator may fulfill the certified operator requirement. Depending on the length of time that a certified chief facility operator and certified shift supervisor are away, you must meet one of three criteria:

- (a) When the certified chief facility operator and certified shift supervisor are both offsite for 12 hours or less and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without notice to, or approval by, the Department.
- (b) When the certified chief facility operator and certified shift supervisor are offsite for more than 12 hours, but for 2 weeks or less, and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without notice to, or approval by, the Department. However, you must record the periods when the certified chief facility operator and certified shift supervisor are offsite and include the information in the annual report as specified under 40 CFR 60.1885(l).
- (c) When the certified chief facility operator and certified shift supervisor are offsite for more than 2 weeks, and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without approval by the Department. However, you must take two actions:
 - (1) Notify the Department in writing. In the notice, state what caused the absence and what you are doing to ensure that a certified chief facility operator or certified shift supervisor is onsite.
 - (2) Submit a status report and corrective action summary to the Department every 4 weeks following the initial notification. If the Department notifies you that



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

your status report or corrective action summary is disapproved, your MWC unit(s) may continue operation for 90 days, but then must cease operation. If corrective actions are taken in the 90-day period such that the Department withdraws the disapproval, your MWC unit(s) operation may continue.

Condition 40: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1690, Subpart BBBB

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MWC Operating Practices Requirements for Unit Load Level
and Activated Carbon Feed Rate:

(a) Permittee must not operate any MWC unit at a load greater than 110 percent of the maximum demonstrated load of the MWC unit (4-hour block average), as specified under "Definitions" (40 CFR 60.1940).

(b) MWC unit(s) using activated carbon to control dioxins/furans or mercury emissions, must maintain an 8-hour block average carbon feed rate at or above the highest average level established during the most recent dioxins/furans or mercury test.

(c) MWC unit(s) using activated carbon to control dioxins/furans or mercury emissions, must evaluate total carbon usage for each carbon delivery period*. Each carbon purchase and delivery to the MWC plant must be in an amount at or above the required usage of carbon for the preceding carbon delivery period. Permittee may choose to evaluate the required carbon usage for each carbon delivery period on a MWC unit basis for each individual MWC unit at the plant. The required usage of carbon for each carbon delivery period shall be calculated using equation 4 or 5 in 40 CFR 60.1935(f), except that required usage shall be calculated on a carbon delivery period basis rather than a calendar quarter basis.



*For the purposes of this requirement, "carbon delivery period" shall be the period between carbon deliveries to the MWC plant.

(d) All MWC units are exempt from limits on load level, and carbon feed rate during any of the following five situations:

- (1) During annual tests for dioxins/furans.
- (2) During annual mercury tests (for carbon feed rate requirements only).
- (3) During the 2 weeks preceding annual tests for dioxins/furans.
- (4) During the 2 weeks preceding annual mercury tests (for carbon feed rate requirements only).
- (5) Whenever the Department authorizes the Permittee to do any of the following five activities:
 - (i) Evaluate system performance.
 - (ii) Test new technology or control technologies.
 - (iii) Perform diagnostic testing.
 - (iv) Perform other activities to improve the performance of your municipal waste combustion unit(s).
 - (v) Perform other activities to advance the state of the art for emission controls for your municipal waste combustion unit(s).

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1690, Subpart BBBB



Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

MWC Operating Practices Requirements for particulate
matter control device.

(a) Permittee must not operate any municipal waste
combustion unit such that the temperature at the inlet of
the particulate matter control device exceeds 17°C above
the "maximum demonstrated temperature of the particulate
matter control device", as specified under
§60.1940.

(b) All MWC units are exempt from limits on the
temperature at the inlet of the particulate matter control
device during any of the following five situations:

- (1) During annual tests for dioxins/furans.
- (2) During annual mercury tests (for carbon feed rate
requirements only).
- (3) During the 2 weeks preceding annual tests for
dioxins/furans.
- (4) During the 2 weeks preceding annual mercury tests (for
carbon feed rate requirements only).
- (5) Whenever the Department authorizes the Permittee to do
any of the following five activities:
 - (i) Evaluate system performance.
 - (ii) Test new technology or control technologies.
 - (iii) Perform diagnostic testing.
 - (iv) Perform other activities to improve the performance

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



of your municipal waste combustion unit(s).

(v) Perform other activities to advance the state of the art for emission controls for your municipal waste combustion unit(s).

(c) Permittee must install, calibrate, maintain, and operate a device to continuously measure the temperature of the flue gas stream at the inlet of each particulate matter control device. Compliance is based on a 4-hour block arithmetic average.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 17 deg C above maximum demonstrated temperature of PM control as per §60.1940

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 42: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1695, Subpart BBBB

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The operating requirements specified in 40CFR60.1690 shall apply at all times except during periods of MWC unit startup, shutdown, or malfunction. Each startup, shutdown or malfunction must not last for longer than 3 hours.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Condition 43: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emission limit for Class II small MWC plants.

Cadmium emissions from each MWC unit shall not exceed 0.10 milligrams per dry standard cubic meter, corrected to 7% oxygen, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: CADMIUM

Upper Permit Limit: 0.10 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 44: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

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

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Total dioxins/furans emission limit for Class II small MWC plants.

Total dioxins/furans emissions from each MWC unit shall not exceed 125 nanograms per dry standard cubic meter, corrected to 7% oxygen, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 23 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. A minimum sampling time of 4 hours per test run is required. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

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

Upper Permit Limit: 125 nanograms per dry standard cubic meter (corrected to 7% O₂)

Reference Test Method: EPA Ref. Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 45: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit for Class II small MWC plants.

Hydrogen chloride emissions from each MWC unit shall meet the less stringent of 250 parts per million by volume, dry corrected to 7% oxygen, or the percent reduction by weight or volume hydrogen chloride emission limit provided in this permit, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 26 or 26A provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. A minimum sampling time of 1 hour per test run is required. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 250 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 46: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit for Class II small MWC plants.

Hydrogen chloride emissions from each MWC unit shall meet the less stringent of 50 percent reduction by weight or volume, dry corrected to 7% oxygen, or the concentration based hydrogen chloride emission limit provided in this permit, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 26 or 26A provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. A minimum sampling time of 1 hour per test run is required. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: HYDROGEN CHLORIDE

Lower Permit Limit: 50 percent reduction by weight or volume (corrected to 7% O₂, dry basis)

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Condition 47: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emission limit for Class II small MWC plants.

Lead emissions from each MWC unit shall not exceed 1.60 milligrams per dry standard cubic meter, corrected to 7% oxygen, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: LEAD

Upper Permit Limit: 1.60 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 48: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit for Class II small MWC plants.

Mercury emissions from each MWC unit shall meet the less stringent of 0.080 milligrams per dry standard cubic meter, corrected to 7% oxygen, or the percent reduction by weight mercury emission limit provided in this permit, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004.

Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Manufacturer Name/Model Number:

Parameter Monitored: MERCURY

Upper Permit Limit: 0.080 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 49: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit for Class II small MWC plants.

Mercury emissions from each MWC unit shall meet the less stringent of 85 percent reduction by weight, dry corrected to 7% oxygen, or the concentration based mercury emission limit provided in this permit, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: MERCURY

Lower Permit Limit: 85 percent reduction by weight
(corrected to 7% O₂, dry basis)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 50: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 068131-74-8 ASHES (RESIDUES)

Item 50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Fugitive ash emission limit for Class II small MWC
plants.

Discharge to the atmosphere of visible emissions of
combustion ash from the ash conveying system (including
conveyor transfer points) may not exceed 5 percent of the
observation period (i.e. three 1-hour observation
periods), as determined by EPA Reference Method 22
observations. The three 1-hour observation period must
include periods when the facility transfer fugitive ash
from the MWC unit to the area where the fugitive ash is
stored or loaded into containers or trucks. Initial
compliance visible emission tests shall be conducted no
later than November 8, 2004. Thereafter, annual visible
emission tests shall be conducted no later than 13 months
after the previous emission test. Reporting shall be done
in accordance with 40 CFR 60.1860 through 60.1905, as
applicable.

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 51: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity emission limit for Class II small MWC
plants.

Opacity emissions from each MWC unit shall not exceed 10 percent based on a 3 hour observation period (thirty 6-minute averages). Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 9 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Ref. Method 9

Monitoring Frequency: ANNUALLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 52: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 52.1:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter emission limit for Class II small MWC plants.

Particulate matter emissions from each MWC unit shall not exceed 70 milligrams per dry standard cubic meter, corrected to 7% oxygen, based on a 3-run average. Initial compliance stack tests shall be conducted no later than November 8, 2004. Thereafter, annual stack tests shall be conducted no later than 13 months after the previous stack test. EPA Reference Method 5 or 29 provided in 40 CFR 60, Appendix A shall be used to demonstrate compliance. Compliance testing must be performed while the MWC unit is operating at full load. The minimum sample volume must be 1.0 cubic meters. The probe and filter holder heating systems in the sample train must be set to provide a gas temperature no greater than 160 +/- 14 degrees C. The minimum sampling time is 1 hour. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 70 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Meth 5 or 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 53: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBBB

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emission limit for Class II small MWC plants.

Sulfur dioxide emissions from each MWC unit shall meet the less stringent of 77 parts per million by volume, dry corrected to 7% oxygen, or the percent reduction by weight or volume sulfur dioxide emission limit provided in this permit. Initial compliance tests shall be conducted no later than November 8, 2004. Thereafter, compliance is based on a 24-hour daily block (geometric average) using a sulfur dioxide continuous emission monitoring system. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 77 parts per million by volume (dry, corrected to 7% O₂)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY BLOCK (GEOMETRIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 54: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(2), Subpart BBBB

Item 54.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Emission Unit: 1-INCIN

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emission limit for Class II small MWC plants.

Sulfur dioxide emissions from each MWC unit shall meet the less stringent of 50 percent reduction by weight or volume, dry corrected to 7% oxygen, or the concentration based sulfur dioxide emission limit provided in this permit. Initial compliance tests shall be conducted no later than November 8, 2004. Thereafter, compliance is based on a 24-hour daily block (geometric average) using a sulfur dioxide continuous emission monitoring system. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: SULFUR DIOXIDE

Lower Permit Limit: 50 percent reduction by weight or volume (corrected to 7% O₂, dry basis)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY BLOCK (GEOMETRIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 55: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1705(a)(3), Subpart BBBBB

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



CAS No: 000630-08-0 CARBON MONOXIDE

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide emission limit for modular starved air
Class II small MWC plants.

Carbon monoxide emissions from each MWC unit shall not exceed 50 parts per million by volume, dry corrected to 7% oxygen. Initial compliance shall be conducted no later than November 8, 2004. Thereafter, compliance is based on a 4 hour block average (arithmetic mean) using a carbon monoxide continuous emission monitoring system. Reporting shall be done in accordance with 40 CFR 60.1860 through 60.1905, as applicable.

Parameter Monitored: CARBON MONOXIDE

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 4 HOUR BLOCK AVERAGE (ARITHMETIC
MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 56: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1710, Subpart BBBB

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Start-up, shutdown and malfunction emission
limits:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(a) The emission limits in this permit apply at all times except during periods of municipal waste combustion unit startup, shutdown, or malfunction.

(b) Each startup, shutdown, or malfunction must not last for longer than 3 hours.

(c) A maximum of 3 hours of test data can be dismissed from compliance calculations during periods of startup, shutdown, or malfunction.

(d) During startup, shutdown, or malfunction periods longer than 3 hours, emissions data cannot be discarded from compliance calculations and all provisions under 40 CFR 60.11(d) apply.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 57: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1720, Subpart BBBB

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous emission monitoring systems for gaseous pollutants:

(a) Permittee must install, calibrate, maintain, and operate continuous emission monitoring systems for oxygen (or carbon dioxide), sulfur dioxide, and carbon monoxide. Continuous emission monitoring systems for sulfur dioxide and oxygen (or carbon dioxide) must be installed at the outlet of the air pollution control device. In accordance with 40 CFR 60.1725, data from the continuous emission

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



monitoring systems for sulfur dioxide and carbon monoxide shall be used to demonstrate compliance with the applicable emission limits specified in this permit.

(b) Permittee must install, evaluate, and operate each continuous emission monitoring system according to the "Monitoring Requirements" in 40 CFR 60.13.

(c) Permittee must monitor the oxygen (or carbon dioxide) concentration at each location where sulfur dioxide and carbon monoxide are monitored.

(d) Permittee may choose to monitor carbon dioxide instead of oxygen as a diluent gas. If Permittee chooses to monitor carbon dioxide, then an oxygen monitor is not required. If carbon dioxide is chosen as the diluent gas, permittee must establish the relationship between oxygen and carbon dioxide during the initial evaluation of the continuous emission monitoring systems. Permittee may reestablish the relationship during annual evaluations. To establish the relationship the following three procedures shall be used:

(1) Use EPA Reference Method 3A or 3B in Appendix A of Part 60 to determine oxygen concentration at the location of your carbon dioxide monitor.

(2) Conduct at least three test runs for oxygen. Make sure each test run represents a 1-hour average and that sampling continues for at least 30 minutes in each hour.

(3) Use the fuel-factor equation in EPA Reference Method 3B in Appendix A of Part 60 to determine the relationship between oxygen and carbon dioxide.

(e) If Permittee chooses to demonstrate compliance by monitoring the percent reduction of sulfur dioxide, continuous emission monitoring systems for sulfur dioxide and oxygen (or carbon dioxide) must be installed at the inlet of the air pollution control device.

(f) If Permittee prefers to use an alternative sulfur dioxide monitoring method, such as parametric monitoring, or cannot monitor emissions at the inlet of the air pollution control device to determine percent reduction,



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Permittee can apply to the Department for approval to use an alternative monitoring method under 40 CFR 60.13(i).

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 58: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1730, Subpart BBBB

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous emission monitoring systems operation / evaluation requirements:

(a) Permittee shall conduct initial, daily, quarterly, and annual evaluations of continuous emission monitoring systems that measure oxygen (or carbon dioxide), sulfur dioxide, and carbon monoxide.

(b) Complete initial evaluation of the continuous emission monitoring systems within 180 days after the final compliance date required by 6 NYCRR Subpart 219-8.

(c) For initial and annual evaluations, collect data concurrently (or within 30 to 60 minutes) using oxygen (or carbon dioxide), sulfur dioxide, or carbon monoxide continuous emission monitoring systems, as appropriate, and the appropriate test methods specified in Table 6 of 40 CFR 60, Subpart BBBB. Permittee shall collect the data during each initial and annual evaluation of the continuous emission monitoring systems following the applicable performance specifications outlined in Table 7 of 40 CFR 60, Subpart BBBB.

(d) Permittee shall follow the quality assurance

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



procedures in Procedure 1 of Appendix F of 40 CFR 60 for each continuous emission monitoring system. The procedures include daily calibration drift and quarterly accuracy determinations.

(e) In accordance with 40CFR 60.1735, oxygen (or carbon dioxide) continuous emission monitoring systems are exempt from the following two requirements:

(1) Section 2.3 of Performance Specification 3 (relative accuracy requirement) in appendix B of 40 CFR Part 60.

(2) Section 5.1.1 of appendix F (relative accuracy test audit) of 40 CFR Part 60.

(f) In accordance with 40CFR 60.1740, permittee shall conduct annual evaluations of continuous emission monitoring systems no more than 13 months after the previous evaluation was conducted.

(g) In accordance with 40CFR 60.1765, permittee shall use the required span values and applicable performance specifications in Table 7 of 40 CFR 60 Subpart BBBB.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 59: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1750, Subpart BBBB

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous emission monitoring systems data collection requirements:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(a) Where continuous emission monitoring systems are required, Permittee shall obtain 1- hour arithmetic averages. The averages for all measured pollutants must be in parts per million by dry volume at 7 percent oxygen (or the equivalent carbon dioxide level). The 1- hour averages of oxygen (or carbon dioxide) data from the continuous emission monitoring system shall be used to determine the actual oxygen (or carbon dioxide) level and to calculate emissions at 7 percent oxygen (or the equivalent carbon dioxide level).

(b) Permittee shall obtain at least two data points per hour in order to calculate a valid 1- hour arithmetic average. In accordance with 40 CFR 60.13(e)(2) , the continuous emission monitoring systems must complete at least one cycle of operation (sampling, analyzing, and data recording) for each 15-minute period.

(c) Permittee shall obtain valid 1-hour averages for 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter. An operating day is any day the unit combusts any municipal solid waste.

(d) If Permittee does not obtain the minimum data required in paragraphs (a) through (c) of this condition, Permittee is in violation of the data collection requirement regardless of the emission level monitored, and must notify the Department according to 40 CFR 60.1885(e).

(e) If Permittee does not obtain the minimum data required in paragraphs (a) through (c) of this section, you must still use all valid data from the continuous emission monitoring systems in calculating emission concentrations and percent reductions in accordance with 40 CFR 60.1755.

(f) In accordance with 40CFR60.1770, permittee shall refer to Table 7 of 40 CFR 60, Subpart BBBB for alternate methods to be used for collecting data when systems malfunction or when repairs, calibration checks, or zero and span checks keep you from collecting the minimum amount of data.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1755, Subpart BBBB

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall follow the following procedure for conversion of 1 hr. arithmetic averages into appropriate averaging time and units:

(a) Use the equation in 40CFR 60.1935(a) to calculate emissions at 7 percent oxygen.

(b) Use EPA Reference Method 19 in appendix A of Part 60, section 4.3, to calculate the daily geometric average concentrations of sulfur dioxide emissions. If you are monitoring the percent reduction of sulfur dioxide, use EPA Reference Method 19 in appendix A of Part 60, section 5.4, to determine the daily geometric average percent reduction of potential sulfur dioxide emissions.

(c) Use EPA Reference Method 19 in appendix A of Part 60, section 4.1, to calculate the 4-hour or 24-hour daily block averages (as applicable) for concentrations of carbon monoxide.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 61: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1760, Subpart BBBB

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Continuous opacity monitoring system requirements:

- (a) Permittee shall install, calibrate, maintain, and operate a continuous opacity monitoring system.
- (b) Install, evaluate, and operate each continuous opacity monitoring system according to 40 CFR 60.13.
- (c) Complete an initial evaluation of the continuous opacity monitoring system according to Performance Specification 1 in Appendix B of 40 CFR 60, and complete the evaluation by 180 days after the final compliance date required by 6 NYCRR Subpart 219-8.
- (d) Complete each annual evaluation of the continuous opacity monitoring system no more than 13 months after the previous evaluation.
- (e) Use tests conducted according to EPA Reference Method 9 in Appendix A of 40 CFR 60, as specified in 40 CFR 60.1790, to determine compliance with the opacity limit in this permit. The data obtained from the continuous opacity monitoring system shall not be used to determine compliance with the opacity limit.
- (f) In accordance with 40 CFR 60.1765, Permittee shall use the required span values and applicable performance specifications in Table 7 of 40 CFR 60, Subpart BBBB.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Condition 62: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1775, Subpart BBBB

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall comply with the following Stack testing requirements in accordance with 40CFR 60.1775, 60.1780, 60.1785, 60.1790 and 60.1800:

(a) Permittee shall conduct initial and annual stack tests to measure the emission levels of dioxins/furans, cadmium, lead, mercury, particulate matter, opacity, hydrogen chloride, and fugitive ash to demonstrate compliance with the applicable emission limits specified in this permit. Initial stack tests for these pollutants shall be conducted no later than November 8, 2004. Annual stack test shall be conducted no later than 13 months after the previous stack test. You may not deviate from the 13-month testing schedule unless you apply to the Department for an alternative schedule, and the Department approves your request for alternate scheduling prior to the date on which you would otherwise have been required to conduct the next stack test.

(b) Permittee shall follow Table 8 of 40 CFR 60, Subpart BBBB to establish the sampling location and to determine pollutant concentrations, number of traverse points, individual test methods, and other specific testing requirements for the different pollutants.

(c) Stack tests for all the pollutants shall consist of at least three test runs, as specified in 40 CFR 60.8. The average of the pollutant emission concentrations from the three test runs shall be used to determine compliance with the applicable emission limits in this permit.



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

(d) Permittee shall obtain an oxygen (or carbon dioxide) measurement during the stack tests to determine diluent gas levels, as specified in 40 CFR 60.1720.

(e) The equations in 40 CFR 60.1935(a) shall be used to calculate emission levels at 7 percent oxygen (or an equivalent carbon dioxide basis), the percent reduction in potential hydrogen chloride emissions, and the reduction efficiency for mercury emissions. Permittee shall refer to the individual test methods in Table 6 of 40 CFR 60, Subpart BBBB for other required equations.

(f) Permittee may apply to the Department for approval under 40 CFR 60.8(b) to use a reference method with minor changes in methodology, use an equivalent method, use an alternative method the results of which the department has determined are adequate for demonstrating compliance, waive the requirement for a performance test because Permittee has demonstrated compliance by other means, or use a shorter sampling time or smaller sampling volume.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 63: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1795(a), Subpart BBBB

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Alternative stack testing schedule for dioxin/furans, cadmium, lead, mercury, particulate matter, opacity, hydrogen chloride, and fugitive ash at Class II small MWC units:

Permittee may, at a Class II small MWC plant, test less

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



often for dioxins/furans, cadmium, lead, mercury, particulate matter, opacity, hydrogen chloride, and fugitive ash if all stack tests for the given pollutant over 3 consecutive years show compliance with the applicable emission limit. If 3 consecutive years of compliance are shown for a given pollutant, Permittee is not required to conduct a stack test for that pollutant for the next 2 years. However, Permittee must conduct another stack test within 36 months of the anniversary date of the third consecutive stack test that shows Permittee complies with the emission limit. Thereafter, Permittee must perform stack tests every 3rd year but no later than 36 months following the previous stack tests. If a stack test for a given pollutant shows noncompliance with the applicable emission limit, Permittee must conduct annual stack tests for the given pollutant until all stack tests over 3 consecutive years show compliance with the emission limit for the pollutant.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 64: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1795(b), Subpart BBBB

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Regulated Contaminant(s):

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Alternative dioxins/furans emissions stack testing at Class II small MWC plants:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(a) Permittee may test less often for dioxins/furans emissions if all municipal waste combustion units have demonstrated levels of dioxins/furans emissions (less than or equal to the limit specified in this condition), for 2 consecutive years. In this case, Permittee may choose to conduct annual stack tests on only one municipal waste combustion unit per year. This provision only applies to stack testing for dioxins/furans emissions.

(b) Permittee shall conduct the annual stack test no more than 13 months following a stack test on any municipal waste combustion unit. A minimum sampling time of 4 hours per test run is required. Compliance shall be based on a 3-run average. Each year, Permittee shall test a different municipal waste combustion unit and shall test all municipal waste combustion units in a sequence that Permittee determines. Once Permittee determines a testing sequence, it must not be changed without approval by the Department. In accordance with 40 CFR 60.1800, Permittee may not deviate from the 13- month testing schedule unless Permittee applies to the Department for an alternative schedule, and the Department approves Permittee's request for alternate scheduling prior to the date on which Permittee would otherwise have been required to conduct the next stack test.

(c) If each annual stack test shows levels of dioxins/furans emissions less than or equal to the limit specified in this condition, Permittee may continue stack tests on only one municipal waste combustion unit per year.

(d) If any annual stack test indicates levels of dioxins/furans emissions greater than the limit specified in this condition, Permittee shall conduct subsequent annual stack tests on all municipal waste combustion units. Permittee may return to testing one municipal waste combustion unit per year if Permittee can demonstrate dioxins/furans emissions levels less than or equal to the limit specified in this condition, for all municipal waste combustion units for 2 consecutive years.

Upper Permit Limit: 30 nanograms per dry standard cubic meter (corrected to 7% O₂)

Reference Test Method: EPA Ref. Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 65: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1805, Subpart BBBB

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall comply with the following MWC load level, temperature and carbon feed rate monitoring requirements in accordance with 40 CFR 60.1805, 60.1810, 60.1815, 60.1820 and 60.1825:

(a) Permittee must monitor the load level of each municipal waste combustion unit. For each municipal waste combustion unit that generates steam, Permittee must install, calibrate, maintain, and operate a steam flow meter or a feed water flow meter and meet the following five requirements:

(1) Continuously measure and record the measurements of steam (or feed water) in kilograms (or pounds) per hour.

(2) Calculate steam (or feed water) flow in 4-hour block averages.

(3) The steam flow meter or feed water flow meter used must be acceptable to the Department.

(4) Before each dioxins/furans stack test, or at least once a year, calibrate all signal conversion elements associated with steam (or feed water) flow measurements according to the manufacturer instructions.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(b) If Permittee's municipal waste combustion units do not generate steam, or, if Permittee's municipal waste combustion units have shared steam systems and steam load cannot be estimated per unit, Permittee must determine, to the satisfaction of the Department, one or more operating parameters that can be used to continuously estimate load level (for example, the feed rate of municipal solid waste). Permittee must continuously monitor the selected parameters.

(c) Permittee must install, calibrate, maintain, and operate a device to continuously measure the temperature of the flue gas stream at the inlet of each particulate matter control device.

(d) For each municipal waste combustion unit that uses activated carbon to control dioxins/furans or mercury emissions, Permittee must meet the following three requirements:

(1) Select a carbon injection system operating parameter that can be used to calculate carbon feed rate (for example, screw feeder speed).

(2) During each dioxins/furans and mercury stack test, determine the average carbon feed rate in kilograms (or pounds) per hour. Also, determine the average operating parameter level that correlates to the carbon feed rate and establish a relationship between the operating parameter and the carbon feed rate in order to calculate the carbon feed rate based on the operating parameter level.

(3) Continuously monitor the selected operating parameter during all periods when the municipal waste combustion unit is operating and combusting waste and calculate the 8-hour block average carbon feed rate in kilograms (or pounds) per hour, based on the selected operating parameter. When calculating the 8-hour block average, Permittee must do two things:

(i) Exclude hours when the municipal waste combustion unit is not operating.

(ii) Include hours when the municipal waste combustion unit is operating but the carbon feed system is not working correctly.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(e) Where continuous parameter monitoring systems are used, Permittee must obtain 1-hour arithmetic averages for the following three parameters:

(1) Load level of the municipal waste combustion unit.

(2) Temperature of the flue gases at the inlet of the particulate matter control device.

(3) Carbon feed rate if activated carbon is used to control dioxins/furans or mercury emissions.

(f) Permittee must obtain at least two data points per hour in order to calculate a valid 1-hour arithmetic average.

(g) Permittee must obtain valid 1-hour averages for at least 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter. An operating day is any day the unit combusts any municipal solid waste.

(h) If Permittee fails to obtain the minimum data required in paragraphs (e) through (g) of this condition, Permittee is in violation of the data collection requirement, and must notify the Department.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 66: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1830, Subpart BBBB

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 66.2:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee must keep four types of records:

- (a) Operator training and certification.
- (b) Stack tests.
- (c) Continuously monitored pollutants and parameters.
- (d) Carbon feed rate.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 67: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1835, Subpart BBBB

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall:

- (a) Keep all records onsite in paper copy or electronic format unless the Department approves another format.
- (b) Keep all records on each municipal waste combustion unit for at least 5 years.
- (c) Make all records available for submittal to the Department, or for onsite review by a Department

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



representative.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 68: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1840, Subpart BBBB

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall keep the following six records for operator training and certification:

(a) Records of provisional certifications. Include three items:

(1) For your municipal waste combustion plant, names of the chief facility operator, shift supervisors, and control room operators who are provisionally certified by the American Society of mechanical Engineers or an equivalent State-approved certification program.

(2) Dates of the initial provisional certifications.

(3) Documentation showing current provisional certifications.

(b) Records of full certifications. Include three items:

(1) For your municipal waste combustion plant, names of the chief facility operator, shift supervisors, and control room operators who are fully certified by the American Society of Mechanical Engineers or an equivalent State-approved certification program.

(2) Dates of initial and renewal full

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



certifications.

(3) Documentation showing current full certifications.

(c) Records showing completion of the operator training course. Include three items:

(1) For your municipal waste combustion plant, names of the chief facility operator, shift supervisors, and control room operators who have completed the EPA or State municipal waste combustion operator training course.

(2) Dates of completion of the operator training course.

(3) Documentation showing completion of operator training course.

(d) Records of reviews for plant-specific operating manuals. Include three items:

(1) Names of persons who have reviewed the operating manual.

(2) Date of the initial review.

(3) Dates of subsequent annual reviews.

(e) Records of when a certified operator is temporarily offsite. Include two main items:

(1) If the certified chief facility operator and certified shift supervisor are offsite for more than 12 hours, but for 2 weeks or less, and no other certified operator is onsite, record the dates that the certified chief facility operator and certified shift supervisor were offsite.

(2) When all certified chief facility operators and certified shift supervisors are offsite for more than 2 weeks and no other certified operator is onsite, keep records of four items:

(i) Your notice that all certified persons are offsite.



(ii) The conditions that cause those people to be offsite.

(iii) The corrective actions you are taking to ensure a certified chief facility operator or certified shift supervisor is onsite.

(iv) Copies of the written reports submitted every 4 weeks that summarize the actions taken to ensure that a certified chief facility operator or certified shift supervisor will be onsite.

(f) Records of calendar dates. Include the calendar date on each record.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1845, Subpart BBBB

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall keep the following four records for stack tests required under 40 CFR 60.1775:

(a) The results of the stack tests for the following eight pollutants or parameters recorded in the appropriate units of measure specified in Table 2 or 4 of 40 CFR 60, Subpart BBBB:

(1) Dioxins/furans.

(2) Cadmium.



- (3) Lead.
 - (4) Mercury.
 - (5) Opacity.
 - (6) Particulate matter.
 - (7) Hydrogen chloride.
 - (8) Fugitive ash.
- (b) Test reports including supporting calculations that document the results of all stack tests.
- (c) The maximum demonstrated load of your municipal waste combustion units and maximum temperature at the inlet of your particulate matter control device during all stack tests for dioxins/furans emissions.
- (d) The calendar date of each record.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1850, Subpart BBBB

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall keep the following eight records for continuously monitored pollutants or parameters:

- (a) Records of monitoring data including:



- (1) All 6-minute average levels of opacity.
 - (2) All 1-hour average concentrations of sulfur dioxide emissions.
 - (3) All 1-hour average concentrations of carbon monoxide emissions.
 - (4) All 1-hour average load levels of your municipal waste combustion unit.
 - (5) All 1-hour average flue gas temperatures at the inlet of the particulate matter control device.
- (b) Records of average concentrations and percent reductions including:
- (1) All 24-hour daily block geometric average concentrations of sulfur dioxide emissions or average percent reductions of sulfur dioxide emissions.
 - (2) All 4-hour block or 24-hour daily block arithmetic average concentrations of carbon monoxide emissions.
 - (3) All 4-hour block arithmetic average load levels of your municipal waste combustion unit.
 - (4) All 4-hour block arithmetic average flue gas temperatures at the inlet of the particulate matter control device.
- (c) Records of exceedances including the following three items:
- (1) Calendar dates whenever any of the five pollutant or parameter levels recorded in paragraph (b) of this condition or the opacity level recorded in subparagraph (a)(1) of this condition did not meet the emission limits or operating levels specified in 40 CFR 60, Subpart BBBB.
 - (2) Reasons you exceeded the applicable emission limits or operating levels.
 - (3) Corrective actions you took, or are taking, to meet

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



the emission limits or operating levels.

(d) Records of minimum data including the following three items:

(1) Calendar dates for which you did not collect the minimum amount of data required under 40 CFR 60.1750 and 60.1825. Record those dates for the following four types of pollutants and parameters:

(i) Sulfur dioxide emissions.

(ii) Carbon monoxide emissions.

(iii) Load levels of your municipal waste combustion unit.

(iv) Temperatures of the flue gases at the inlet of the particulate matter control device.

(2) Reasons you did not collect the minimum data.

(3) Corrective actions you took or are taking to obtain the required amount of data.

(e) Records of exclusions. Document each time you have excluded data from your calculation of averages for any of the following four pollutants or parameters and the reasons the data were excluded:

(1) Sulfur dioxide emissions.

(2) Carbon monoxide emissions.

(3) Load levels of your municipal waste combustion unit.

(4) Temperatures of the flue gases at the inlet of the particulate matter control device.

(f) Records of drift and accuracy. Document the results of your daily drift tests and quarterly accuracy determinations according to Procedure 1 of appendix F of 40 CFR Part 60. Keep those records for the sulfur dioxide and carbon monoxide continuous emissions monitoring systems.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(g) Records of the relationship between oxygen and carbon dioxide. If you choose to monitor carbon dioxide instead of oxygen as a diluent gas, document the relationship between oxygen and carbon dioxide, as specified in 40 CFR 60.1745.

(h) Records of calendar dates. Include the calendar date on each record.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 71: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1855, Subpart BBBB

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall keep the following five records for each municipal waste combustion unit that uses activated carbon to control dioxins/furans or mercury emissions:

(a) Records of average carbon feed rate. Document the following five items:

(1) Average carbon feed rate in kilograms (or pounds) per hour during all stack tests for dioxins/furans and mercury emissions. Include supporting calculations in the records.

(2) For the operating parameter chosen to monitor carbon feed rate, average operating level during all stack tests for dioxins/furans and mercury emissions. Include supporting data that document the relationship between the operating parameter and the carbon feed rate.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(3) All 8-hour block average carbon feed rates in kilograms (or pounds) per hour calculated from the monitored operating parameter.

(4) The amount of carbon for each purchase and delivery to the municipal waste combustion plant. If you choose to evaluate the amount of carbon for each purchase and delivery on a municipal waste combustion unit basis, record the amount of carbon for each purchase and delivery for each individual municipal waste combustion unit at your plant. Include supporting documentation.

(5) Required MWC plant carbon usage for each carbon delivery period*. If you choose to evaluate the required carbon usage for each carbon delivery period on a municipal waste combustion unit basis, record the required carbon usage for each carbon delivery period for each municipal waste combustion unit at your plant. The required usage of carbon for each carbon delivery period shall be calculated using equation 4 or 5 in 40 CFR 60.1935(f), except that required usage shall be calculated on a carbon delivery period basis rather than a calendar quarter basis. Include supporting calculations.

*For the purposes of this requirement, "carbon delivery period" shall be the period between carbon deliveries to the MWC plant.

(b) Records of low carbon feed rates. Document the following three items:

(1) The calendar dates when the average carbon feed rate over an 8-hour block was less than the average carbon feed rates determined during the most recent stack test for dioxins/furans or mercury emissions (whichever has a higher feed rate).

(2) Reasons for the low carbon feed rates.

(3) Corrective actions you took or are taking to meet the 8-hour average carbon feed rate requirement.

(c) Records of minimum carbon feed rate data. Document the following three items:

(1) Calendar dates for which you did not collect the minimum amount of carbon feed rate data required under 40



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

CFR 60.1825.

(2) Reasons you did not collect the minimum data.

(3) Corrective actions you took or are taking to get the required amount of data.

(d) Records of exclusions. Document each time you have excluded data from your calculation of average carbon feed rates and the reasons the data were excluded.

(e) Records of calendar dates. Include the calendar date on each record.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 72: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1860, Subpart BBBB

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall submit the following reports, in the format as noted below:

(a) Submit an initial report and annual reports, plus semiannual reports for any emission or parameter level that does not meet the limits specified in Subpart BBBB.

(b) Submit all reports on paper, postmarked on or before the submittal dates in 40 CFR 60.1870, 60.1880, and 60.1895. If the Department agrees, permittee may submit electronic reports.



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

(c) Keep a copy of all reports required by 40 CFR 60.1875, 60.1885 and 60.1900 onsite for 5 years.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 73: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1865, Subpart BBBB

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall refer to Tables 2, 3, 4 and 5 of 40 CFR 60, Subpart BBBB for appropriate units of measurement for reporting emissions data.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1880, Subpart BBBB

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Monitoring Description:

This facility is subject to Title V permitting and must report on monitoring data semi-annually.

Summaries of data listed in 40 CFR 60.1885 shall be reported semiannually in accordance with 6NYCRR 201-6.5(c)(3)(ii). The semiannual reports shall be submitted within 30 days after the end of the semiannual calendar period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 75: Compliance Certification

Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1885, Subpart BBBB

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each semi-annual calendar period, the permittee shall summarize data collected for all pollutants and parameters regulated under 40 CFR 60, Subpart BBBB. The summary must include the following twelve items:

(a) The results of the annual stack test, using appropriate units, for the following eight pollutants or parameters, as recorded under 40 CFR 60.1845(a):

(1) Dioxins/furans.

(2) Cadmium.

(3) Lead.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(4) Mercury.

(5) Opacity.

(6) Particulate matter.

(7) Hydrogen chloride.

(8) Fugitive ash.

(b) A list of the highest average levels recorded, in the appropriate units. List those values for the following four pollutants or parameters:

(1) Sulfur dioxide emissions.

(2) Carbon monoxide emissions.

(3) Load level of the municipal waste combustion unit.

(4) Temperature of the flue gases at the inlet of the particulate matter air pollution control device (4-hour block average).

(c) The highest 6-minute opacity level measured. Base the value on all 6-minute average opacity levels recorded by your continuous opacity monitoring system (40 CFR 60.1850(a)(1)).

(d) For municipal waste combustion units that use activated carbon for controlling dioxins/furans or mercury emissions, include the following four records:

(1) The average carbon feed rates recorded during the most recent dioxins/furans and mercury stack tests.

(2) The lowest 8-hour block average carbon feed rate recorded during the year.

(3) The amount of carbon for each purchase and delivery to the municipal waste combustion plant. If you choose to evaluate the amount of carbon for each purchase and delivery on a municipal waste combustion unit basis, record the amount of carbon for each purchase and delivery for each individual municipal waste combustion unit at your plant.



(4) Required MWC plant carbon usage for each carbon delivery period*. If you choose to evaluate the required carbon usage for each carbon delivery period on a municipal waste combustion unit basis, record the required carbon usage for each carbon delivery period for each municipal waste combustion unit at your plant. The required usage of carbon for each carbon delivery period shall be calculated using equation 4 or 5 in 40 CFR 60.1935(f), except that required usage shall be calculated on a carbon delivery period basis rather than a calendar quarter basis.

*For the purposes of this requirement, "carbon delivery period" shall be the period between carbon deliveries to the MWC plant.

(e) The total number of days that you did not obtain the minimum number of hours of data for five pollutants or parameters. Include the reasons you did not obtain the data and corrective actions that you have taken to obtain the data in the future. Include data on:

- (1) Sulfur dioxide emissions.
- (2) Carbon monoxide emissions.
- (3) Load level of the municipal waste combustion unit.
- (4) Temperature of the flue gases at the inlet of the particulate matter air pollution control device.
- (5) Carbon feed rate.

(f) The number of hours you have excluded data from the calculation of average levels (include the reasons for excluding it). Include data for the following five pollutants or parameters:

- (1) Sulfur dioxide emissions.
- (2) Carbon monoxide emissions.
- (3) Load level of the municipal waste combustion unit.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(4) Temperature of the flue gases at the inlet of the particulate matter air pollution control device.

(5) Carbon feed rate.

(g) A notice of your intent to begin a reduced stack testing schedule for dioxins/furans emissions during the following calendar year if you are eligible for alternative scheduling (40 CFR 60.1795(a) or (b)).

(h) A notice of your intent to begin a reduced stack testing schedule for other pollutants during the following calendar year if you are eligible for alternative scheduling (40 CFR 60.1795(a)).

(i) A summary of any emission or parameter level that did not meet the limits specified in 40 CFR 60, Subpart BBBB.

(j) A summary of the data in paragraphs (a) through (d) of this condition for the three semi-annual periods preceding the reporting period which gives the department a summary of the performance of the municipal waste combustion unit over a 2-year period.

(k) If you choose to monitor carbon dioxide instead of oxygen as a diluent gas, documentation of the relationship between oxygen and carbon dioxide, as specified in 40 CFR 60.1745.

(l) Documentation of periods when all certified chief facility operators and certified shift supervisors are offsite for more than 12 hours.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 76: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1890, Subpart BBBB

Item 76.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Emission Unit: 1-INCIN

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permittee shall submit a semiannual report on any recorded emission or parameter level that does not meet the requirements specified in 40 CFR 60, Subpart BBBB.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 77: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1895, Subpart BBBB

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Out-of-compliance emission or parameter data listed in 40 CFR 60.1900 shall be reported semi-annually in accordance with 6NYCRR 201-6.5(c)(3)(ii). The semiannual reports shall be submitted within 30 days after the end of each semi-annual calendar period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 78: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Applicable Federal Requirement: 40CFR 60.1900, Subpart BBBB

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permitte shall include the following three items in any semi-annual out-of-compliance report:

(a) For any of the following five pollutants or parameters that exceeded the limits specified in 40 CFR 60, Subpart BBBB, include the calendar date they exceeded the limits, the averaged and recorded data for that date, the reasons for exceeding the limits, and your corrective actions:

(1) Concentration or percent reduction of sulfur dioxide emissions.

(2) Concentration of carbon monoxide emissions.

(3) Load level of your municipal waste combustion unit.

(4) Temperature of the flue gases at the inlet of your particulate matter air pollution control device.

(5) Average 6-minute opacity level. The data obtained from your continuous opacity monitoring system are not used to determine compliance with the limit on opacity emissions.

(b) If the results of your annual stack tests (as recorded in 40 CFR 60.1845(a)) show emissions above the limits specified in Table 2 or 4 of Subpart BBBB as applicable for dioxins/furans, cadmium, lead, mercury, particulate matter, opacity, hydrogen chloride, and fugitive ash, include a copy of the test report that documents the emission levels and your corrective actions.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(c) For municipal waste combustion units that apply activated carbon to control dioxins/furans or mercury emissions, include the following two items:

(1) Documentation of all dates when the 8-hour block average carbon feed rate (calculated from the carbon injection system operating parameter) is less than the highest carbon feed rate established during the most recent mercury and dioxins/furans stack test (as specified in 40 CFR 60.1855(a)(1)). Include the following four items:

(i) Eight-hour average carbon feed rate.

(ii) Reasons for occurrences of low carbon feed rates.

(iii) The corrective actions you have taken to meet the carbon feed rate requirement.

(iv) The calendar date.

(2) Documentation of each instance that the amount carbon purchased and delivered to the municipal waste combustion plant was less than the required usage amount of carbon for the preceding carbon delivery period*. If you choose to evaluate the amount of carbon purchased and delivered on a municipal waste combustion unit basis, record the amount of carbon purchased and delivered for each individual municipal waste combustion unit at your plant.

*For the purposes of this requirement, "carbon delivery period" shall be the period between carbon deliveries to the MWC plant.

Include the following five items:

(i) Amount of carbon purchased and delivered to the plant.

(ii) Required usage of carbon for each carbon delivery period.

(iii) Reasons for not meeting the required usage of carbon for each carbon delivery period.

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



(iv) The corrective actions you have taken to meet the required usage of carbon for each carbon delivery period.

(v) The calendar date.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2008.

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

Condition 79: Compliance Certification
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable Federal Requirement: 40CFR 60.1905, Subpart BBBB

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-INCIN

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requests to change semiannual or annual reporting dates:

(a) If the Department agrees, permittee may change the semiannual or annual reporting dates.

(b) Permittee should refer to 40 CFR 60.19(c) for procedures to seek approval to change the reporting date.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 80: Contaminant List
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: ECL 19-0301

Item 80.1:

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



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

CAS No: 001746-01-6

Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 068131-74-8

Name: ASHES (RESIDUES)

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-97-6

Name: MERCURY

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 81: Unavoidable noncompliance and violations
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 201-1.4

Item 81.1:

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



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 82: Air pollution prohibited
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 211.2

Item 82.1:

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013



Condition 83: Compliance Demonstration
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 201-1.4

Item 83.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-INCIN

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

An interlock system must be present such that the incinerators cannot be charged with refuse when the air pollution control equipment is bypassed either through the incinerator bypass stack or the baghouse bypass system. The Department reserves the right to require a demonstration of this capability. A report verifying this capability must be submitted to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE MATERIAL

Parameter Monitored: CHARGE

Upper Permit Limit: 0 pounds

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 84: Compliance Demonstration
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 617.11(d)

Item 84.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-INCIN

Item 84.2:



New York State Department of Environmental Conservation

Permit ID: 7-3558-00013/00015

Facility DEC ID: 7355800013

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The incinerator units must be designed and operated such that the minimum residence time in the secondary combustion chamber is 0.75 seconds. Documentation verifying compliance must be submitted to the Department upon request.

Parameter Monitored: RESIDENCE TIME

Lower Permit Limit: 0.75 seconds

Monitoring Frequency: SINGLE OCCURRENCE

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 85: Compliance Demonstration
Effective between the dates of 09/25/2007 and 09/24/2012

Applicable State Requirement: 6NYCRR 617.11(d)

Item 85.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-INCIN

Item 85.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Permittee shall continuously monitor and record secondary chamber temperature. The secondary chamber temperature must not fall below 1600 degrees Fahrenheit at all times while waste is being combusted. A log shall be kept of readings taken once per shift of all key operating settings and outputs.

Manufacturer Name/Model Number: An Acceptable Monitoring Device is Required

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1600 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

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

New York State Department of Environmental Conservation
Permit ID: 7-3558-00013/00015 Facility DEC ID: 7355800013



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due every 6 calendar month(s).