

New York State Department of Environmental Conservation
Facility DEC ID: 7314200028



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-3142-00028/00009
Mod 0 Effective Date: 01/08/2002 Expiration Date: 01/08/2007
Mod 1 Effective Date: 03/24/2003 Expiration Date: 01/08/2007

Permit Issued To: ONONDAGA COUNTY RESOURCE RECOVERY AGENCY
100 ELWOOD DAVIS RD
NORTH SYRACUSE, NY 13212-4312

COVANTA ONONDAGA LP
5801 ROCK CUT RD
JAMESVILLE, NY 13078-9408

Contact: COVANTA ONONDAGA LP
5801 ROCK CUT RD
JAMESVILLE, NY 13078-9408

Facility: ONONDAGA CO RESOURCE RECOVERY FACILITY
5801 ROCK CUT ROAD
JAMESVILLE, NY 13078-9408

Contact: COVANTA ONONDAGA LP
5801 ROCK CUT RD
JAMESVILLE, NY 13078-9408

Description:

The Onondaga County Resource Recovery Facility (OCRRF) is a 990 ton per day nominally sized waste-to-energy facility. The OCRRF consists of three independent mass burn combustors with waterwall boilers, each with a design capacity of 330 tons per day (reference waste of 6000 btu/lb). Refuse is delivered to the OCRRF in standard packer trucks and transfer vehicles for combustion. Refuse is reduced approximately 90% by volume in the combustion process. Heat energy generated in the combustion process is utilized to produce electricity in a 39.5 megawatt turbine generator. This electricity provides power to the OCRRF and the excess is sold to Niagara Mohawk power company (NiMo). Auxiliary burners firing natural gas are used during periods of startup, shutdown and at other times when the minimum combustion zone temperatures would not otherwise be met. Air pollution control (APC) includes dry scrubbers for acid gas control, fabric filters for particulate removal, a selective non-catalytic reduction (SNCR) system for NO_x control and a carbon injection system for mercury control. This APC technology constitutes BACT and/or LAER for PSD purposes.

This permit is being modified to add the mercury emission limitations in 6 NYCRR Part 219-7.2. The mercury emissions limits are 28 micrograms per dry standard cubic meter or 85% reduction.

New York State Department of Environmental Conservation
Facility DEC ID: 7314200028



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: WILLIAM R ADRIANCE
 DIVISION OF ENVIRONMENTAL PERMITS
 625 BROADWAY
 ALBANY, NY 12233-1750

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and 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



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

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

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Item 2.1:

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

Condition 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

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

Item 1-1.2:

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

Item 1-1.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute,



New York State Department of Environmental Conservation
Facility DEC ID: 7314200028

regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Expired by Mod No: 1

Item 3.1:

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

Item 3.2:

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

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Replaces Condition(s) 4

Item 1-2.1:

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

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

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

Replaced by Condition(s) 1-2

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

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



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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 7
HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)**

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 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: 7-3142-00028/00009

Facility DEC ID: 7314200028

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: ONONDAGA COUNTY RESOURCE RECOVERY AGENCY
100 ELWOOD DAVIS RD
NORTH SYRACUSE, NY 13212-4312

COVANTA ONONDAGA LP
5801 ROCK CUT RD
JAMESVILLE, NY 13078-9408

Contact: COVANTA ONONDAGA LP
5801 ROCK CUT RD
JAMESVILLE, NY 13078-9408

Facility: ONONDAGA CO RESOURCE RECOVERY FACILITY
5801 ROCK CUT ROAD
JAMESVILLE, NY 13078-9408

Contact: COVANTA ONONDAGA LP
5801 ROCK CUT RD
JAMESVILLE, NY 13078-9408

Authorized Activity By Standard Industrial Classification Code:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 24 Emission Unit Definition
- 1-1 Recordkeeping and reporting of compliance monitoring
- 1-2 Monitoring, Related Recordkeeping, and Reporting Requirements.
- 1-3 Compliance Certification
- 1-4 Compliance Certification
- 29 Compliance Certification
- 30 Recordkeeping requirements
- 33 Compliance Certification
- 34 Compliance Certification
- 35 Compliance Certification
- 36 Operating Manual
- 37 Operator Certification
- 38 Operator Training
- 39 Compliance Certification
- 40 MWC Operating Standards (Operations Manual)
- 41 MWC Operating Standards (Annual Manual Review)
- 1-5 Accidental release provisions.
- 1-6 Recycling and Emissions Reduction

Emission Unit Level

- 43 Emission Point Definition By Emission Unit
- 44 Process Definition By Emission Unit
- 45 Compliance Certification (EU=1-MBMWF)
- 46 Compliance Certification (EU=1-MBMWF)
- 47 MWC Unit Load Level
- 48 Compliance Certification (EU=1-MBMWF)
- 49 Compliance Certification (EU=1-MBMWF)
- 50 Compliance Certification (EU=1-MBMWF)
- 51 Compliance Certification (EU=1-MBMWF)
- 52 Compliance Certification (EU=1-MBMWF)
- 53 Compliance Certification (EU=1-MBMWF)
- 54 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 55 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 56 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 57 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 58 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 60 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 61 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 62 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 63 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 64 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 65 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 66 Compliance Certification (EU=1-MBMWF,Proc=MSW)



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

- 67 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 68 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 69 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 70 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 71 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 72 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 73 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 74 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 75 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 76 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 77 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 78 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 79 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 80 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 81 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 82 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 83 Compliance Certification (EU=1-MBMWF,Proc=MSW)
- 84 Compliance Certification (EU=1-MBMWF,Proc=MSW)

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 1-7 Contaminant List
- 85 Unavoidable noncompliance and violations
- 88 Air pollution prohibited
- 1-8 Compliance Demonstration
- 1-9 Compliance Demonstration

Emission Unit Level

- 89 Startup, shutdown and upset conditions
- 90 Continuous Emission Monitoring - Fabric Filters
- 91 Compliance Demonstration
- 92 Compliance Demonstration
- 93 Compliance Demonstration
- 94 Compliance Demonstration
- 95 Compliance Demonstration
- 96 Compliance Demonstration
- 97 Compliance Demonstration
- 98 Compliance Demonstration
- 99 Compliance Demonstration
- 100 Compliance Demonstration
- 101 Compliance Demonstration
- 102 Compliance Demonstration
- 103 Compliance Demonstration
- 104 Compliance Demonstration
- 105 Compliance Demonstration
- 106 Compliance Demonstration
- 107 Compliance Demonstration
- 108 Compliance Demonstration
- 4953 - REFUSE SYSTEMS

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Mod 0 Permit Effective Date: 01/08/2002

Permit Expiration Date: 01/08/2007

Mod 1 Permit Effective Date: 03/24/2003

Permit Expiration Date: 01/08/2007



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: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



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

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

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 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

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item F: Recycling and Salvage - 6NYCRR Part 201-1.7

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

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

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

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

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



requirements, regulations, or law.

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

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

Item K: 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 L: 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 M: 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 N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



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 O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Item P: 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 order to maintain compliance with the conditions of this permit.

Item Q: 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 R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

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

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

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: 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 U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

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

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

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions 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 in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: 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: 7-3142-00028/00009

Facility DEC ID: 7314200028



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

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

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

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

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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



a shorter time period in the case of an emergency.

Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1

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

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

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

Item AA: Open Fires - 6 NYCRR Part 215

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

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



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

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

FEDERAL APPLICABLE REQUIREMENTS

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

Condition 24: Emission Unit Definition

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 24.1(From Mod 1):

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

Emission Unit: 1-MBMWF

Emission Unit Description:

Three mass burn Municipal Waste Combustors, each with a nominal rating of 330 tons per day (reference waste of 6,000 Btu/lb). The three combustors utilize Martin Stoker technology with waterwall furnaces. Each combustor exhausts through a separate flue contained within a common stack. Air pollution control equipment includes dry scrubbers for acid gas control, fabric filters for particulate removal, a Selective Non-Catalytic Reduction (SNCR) system for control of nitrogen oxides and a carbon injection system for mercury and dioxin/furan control. The OCRRF employs a Continuous Emissions Monitoring System (CEMS) that provides continuous feedback on the effectiveness of the air pollution control (APC) equipment. In addition, the facility has selected to install a dry activated carbon injection system to achieve full compliance with the 40CFR60, Subpart Cb limits for mercury and dioxins. Activated carbon will be injected from a common storage silo into the existing flue gas ductwork downstream of the economizer of each combustion unit. The system will consist of three independent carbon injection trains, each dedicated to one of the three combustion trains.



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Fuel: The base operating scenario for the OCRRF includes the combustion of solid waste in three 330 tons per day units. The facility is authorized to receive the following waste streams: Municipal Solid Waste (MSW) which includes residential, commercial and governmental and/or institutional waste; the combustible portion of construction and demolition (C&D) debris; light industrial waste; treated regulated medical waste and treated and destroyed medical waste; and other non-hazardous industrial waste streams as approved by NYSDEC. All material combusted at the OCRRF will collectively be referred to herein as Solid Waste (SW) for the extent of the Title V permit. The OCRRF will maintain compliance with all existing permit limits when handling the waste streams described above for the base operating scenario.

Auxiliary Fuel: The OCRRF uses natural gas as an auxiliary fuel. Natural gas is used during startup to warm the unit up to the minimum required combustion zone temperature before introducing SW into the furnace and during the transition period before the fires are fully sustained by the SW. Natural gas is used as an auxiliary fuel during shutdown in order to maintain minimum combustion zone temperature requirements until SW is burned off the grates. Auxiliary fuel is also used during periods of upset and at any other time the furnace temperature/residence time requirements would not otherwise be met.

Warm-up: Natural gas is the fuel used during the warm-up period at the OCRRF. The OCRRF is in the warm-up stage when only fossil fuel is being fired in order to warm the unit up to minimum combustion zone temperatures, or to keep the unit warm, before MSW feeding has commenced.

Start-up: As indicated in the facility's approved O&M Manual, startup is initiated at the OCRRF when a boiler's feedchute damper is opened and continuous burning of MSW is commenced.

Continuous Burning: 40 CFR 60.58(a)(2) defines continuous burning as, "the continuous, semi-continuous, or batch feeding of MSW for the purposes of waste disposal, energy production, or providing heat to the combustion system in preparation for waste disposal or energy production. The use of MSW solely to provide thermal protection of the

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



grate or hearth during the start-up period shall not be considered to be continuous burning."

Shutdown: The shutdown period for a boiler begins when the continuous burning of MSW is ceased and the shutdown period ends when refuse is burned off the grates. As indicated in the OCRRF's approved O&M Manual, the shutdown period at the OCRRF commences when the subject unit's feedchute damper is shut (this is the time at which continuous feeding is ceased). Shutdown of a unit is complete when solid waste is burned off the grates. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure the fires are out.

Malfunction: 40 CFR 60.2 defines malfunction as, "any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions." Malfunction is similarly defined in 6 NYCRR Part 201-2 as, "any sudden and unavoidable failure of an air cleaning device or air contamination source to operate in compliance with all applicable parts of this Chapter [6 NYCRR Part 201], and shall not include failures that are caused entirely or partially by poor maintenance, careless operation, or other preventable condition."

Emergency Conditions: 6 NYCRR Part 201-2(b)(12) defines emergency as, "any situation arising from suddenly and reasonably unforeseeable events beyond the control of the owner and/or operator of a facility, including acts of God, which situation requires immediate corrective action to restore normal operation and which causes the emission source to exceed a technology-based requirement under the permit of state-established emission limitations, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error."

Building(s): 1

**Condition 1-1: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 03/24/2003 and 01/08/2007**



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

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

Item 1-1.1:

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

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

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

Condition 1-2: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 03/24/2003 and 01/08/2007

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

Item 1-2.1:

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

Condition 1-3: Compliance Certification

Effective between the dates of 03/24/2003 and 01/08/2007

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

Replaces Condition(s) 25

Item 1-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Monitoring Description:

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

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

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

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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



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

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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

Condition 1-4: Compliance Certification

Effective between the dates of 03/24/2003 and 01/08/2007

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

Replaces Condition(s) 26

Item 1-4.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due on the same day each year

Condition 29: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: 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 30: Recordkeeping requirements
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 30.1:

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 33: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emissions in excess of the limits or standards for any continuously monitored parameter shall be reported orally to the Department's Region 7 Air Pollution Control Engineer or his designee within one working day of the occurrence, along with a program for immediate correction of these conditions. This action must be confirmed in writing to the Department within 72 hours.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 34: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All stack testing required by this permit must be performed in accordance with a test protocol approved by the Department. The permittee shall submit an annual stack test protocol for Department review and approval at least 60 days prior to conducting testing. The permittee shall notify the Department of the actual test dates at least 30 days prior to such dates.

The Department reserves the right to require stack testing for any State or Federally regulated pollutant under this permit during annual stack testing. These pollutants may be added in addition to those pollutants specifically required to be tested annually by this permit or other applicable regulation.

All emission test reports required by this permit shall be submitted to the Department within 120 days after

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



completion of such tests.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 35: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility's quarterly report shall address each pollutant or operating parameter required to be continuously monitored for compliance in accordance with this operating permit.

The quarterly report shall identify all periods of exceedence for each standard, including exceedences that occur during startup, shutdown or malfunction, or affirmatively state that no exceedences occurred during the quarter. For each exceedence period, the report shall identify the emission source, time and date of the exceedence, the magnitude and duration of the exceedence as well as the cause and corrective action taken if any. Each quarterly report shall also identify all compliance periods for which valid compliance data was not obtained for each parameter required to be continuously monitored by this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 36: Operating Manual

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.35b, NSPS Subpart Cb

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Item 36.1:

The Permittee must develop and update on a yearly basis a site-specific operating manual that must, at a minimum, address the elements of municipal waste combustor unit operation specified below. This manual must be found acceptable by the Department.

- (1) A summary of the applicable standards under 40 CFR 60, Subpart Cb;
- (2) A description of basic combustion theory applicable to a municipal waste combustor;
- (3) Procedures for receiving, handling, and feeding municipal solid waste;
- (4) Municipal waste combustor unit startup, shutdown, and malfunction procedures;
- (5) Procedures for maintaining proper combustion air supply levels;
- (6) Procedures for operating the municipal waste combustor unit within the standards established under 40 CFR 60, Subpart Cb;
- (7) Procedures for responding to periodic upset or off-specification conditions;
- (8) Procedures for minimizing particulate matter carryover;
- (9) Procedures for handling ash;
- (10) Procedures for monitoring municipal waste combustor unit emissions; and
- (11) Reporting and recording keeping procedures.

A training program shall be established to review the operating manual according to the schedule below, with each person who has responsibilities affecting the operation of a municipal waste combustor including, but not limited to, chief facility operators, shift supervisors, control room operators, ash handlers, maintenance personnel, and crane/load handlers. Training shall be completed as follows:

- (1) Initial training shall be completed no later than October 5, 1999; or the date prior to the day when the person assumes responsibilities affecting municipal waste combustor unit operation, whichever is later; and
- (2) Annually, following the initial training.

The operating manual must be kept in a readily accessible location for all persons required to undergo training. The operating manual and records of training must be available for inspection by the Department upon request.

Condition 37: Operator Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.35b, NSPS Subpart Cb

Item 37.1:

Each chief facility operator and shift supervisor must obtain and maintain a current provisional operator certification from either the American Society of Mechanical Engineers (QRO-1-1994) or from another certification program acceptable to the Department by October 5, 1999.

Each chief facility operator and shift supervisor must have completed full certification or must have scheduled a full certification exam with either the American Society of Mechanical Engineers (QRO-1-1994) or another certification program acceptable to the Department by October 5, 1999.



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

The Permittee shall not allow the municipal waste combustor to be operated at any time unless one of the following persons is on duty and at the municipal waste combustor unit: A fully certified chief facility operator, a provisionally certified chief facility operator who as of October 5, 1999 is scheduled to take the full certification exam, a fully certified shift supervisor, or a provisionally certified shift supervisor who as of October 5, 1999 is scheduled to take the full certification exam. If one of the persons listed above must leave the municipal waste combustor unit during their operating shift, a provisionally certified control room operator who is onsite at the municipal waste combustor unit may fulfill the requirement of this condition.

Condition 38: Operator Training

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.35b, NSPS Subpart Cb

Item 38.1:

All chief facility operators, shift supervisors, and control room operators must complete a municipal waste combustor operator training course which is acceptable to the Department no later than October 5, 1999. This requirement does not apply to chief facility operators, shift supervisors, and control room operators who have obtained full certification from the American Society of Mechanical Engineers on or before October 5, 1998. The owner or operator may request that the Department waive the requirements of this condition for chief facility operators, shift supervisors, and control room operators who have obtained only provisional certification from the American Society of Mechanical Engineers on or before October 5, 1998.

Condition 39: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.36b, NSPS Subpart Cb

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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. 9 minutes per 3-hour period), as determined by EPA Reference Method 22 observations. This emission limit does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, it does cover visible emissions discharged to the atmosphere from buildings or enclosures of ash conveying systems. This emission limit does not apply during

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



maintenance and repair of ash conveying systems.

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 9 MINUTES PER 3-HOUR PERIOD

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 02/06/2003 for the period 01/08/2002 through 01/07/2003

Condition 40: MWC Operating Standards (Operations Manual)
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.56a(f), NSPS Subpart Ea

Item 40.1:

The owner/operator shall develop and update, if necessary, on a yearly basis a site specific operating manual that shall, at a minimum, address the elements of MWC unit operation detailed in 40 CFR 60-Eb.56a(f). The operating manual shall be kept in a readily accessible location for all persons requiring training as per 40 CFR 60-Ea.56a(g) and for inspectors from delegated enforcement agencies.

Condition 41: MWC Operating Standards (Annual Manual Review)
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.56a(g), NSPS Subpart Ea

Item 41.1:

The owner/operator shall establish a program for reviewing the operating manual annually with each person who has responsibilities affecting the operation of the affected facility, including but not limited to, chief facility operators, shift supervisors, control room operators, ash handlers, maintenance personnel, and crane/load handlers. Initial review of the manual shall be conducted by any person prior to assumption of responsibilities.

Condition 1-5: Accidental release provisions.
Effective between the dates of 03/24/2003 and 01/08/2007

Applicable Federal Requirement: 40CFR 68.

Item 1-5.1:

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit (if not previously submitted) one of the following if such quantities are present at the time of permit issuance:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

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:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866
ATTN: Accidental Release Program contact

Condition 1-6: Recycling and Emissions Reduction
Effective between the dates of 03/24/2003 and 01/08/2007

Applicable Federal Requirement: 40CFR 82, Subpart F

Replaces Condition(s) 42

Item 1-6.1:

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

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

Condition 43: Emission Point Definition By Emission Unit
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 6NYCRR 201-6.

Item 43.1(From Mod 0):

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

Emission Unit: 1-MBMWF

Emission Point: 00001

Height (ft.): 274

Diameter (in.): 66

NYTMN (km.): 4762.022 NYTME (km.): 409.032 Building: 1

Emission Point: 00002

Height (ft.): 274

Diameter (in.): 66

NYTMN (km.): 4762.022 NYTME (km.): 409.032 Building: 1

Emission Point: 00003

Height (ft.): 274

Diameter (in.): 66

NYTMN (km.): 4762.022 NYTME (km.): 409.032 Building: 1

Condition 44: Process Definition By Emission Unit
Effective between the dates of 01/08/2002 and 01/08/2007

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Applicable Federal Requirement: 6NYCRR 201-6.

Item 44.1(From Mod 1):

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

Emission Unit: 1-MBMWF

Process: MSW

Source Classification Code: 5-01-001-04

Process Description:

One of three 330 tons per day (reference waste of 6000 Btu/lb) municipal waste combustors, firing Solid Waste (SW). SW includes: Municipal Solid Waste (which includes residential, commercial and institutional and/or governmental waste); combustible portion of construction and demolition (C&D) debris; light industrial waste; treated regulated medical waste; treated and destroyed medical waste; and NYSDEC approved non-hazardous industrial waste streams.

Natural gas is used as an auxiliary fuel during startup, shutdown and malfunctions as described below and at other times when the minimum combustion zone temperature would not otherwise be met.

40 CFR 60.58a(a)(1) reads, "the startup period commences when the affected facility begins the continuous burning of MSW and does not include any warmup period when the affected facility is combusting only a fossil fuel or other non-MSW fuel and no MSW is being combusted."

The OCRRF facility is subject to 40 CFR 60.58a which regulates certain compliance and performance testing requirements at the OCRRF including startup, shutdown and malfunction relief. 40 CFR 60.58a(a) reads, "the standards under this subpart apply at all times except during periods of startup, shutdown or malfunction; provided however that the duration of startup, shutdown and malfunction shall not exceed three hours per occurrence." The standards regulated under this subpart, for which the regulations provide startup, shutdown or malfunction relief, are particulate matter, opacity, sulfur dioxide, hydrogen chloride, nitrogen oxides, carbon monoxide and baghouse inlet temperature. Furthermore, combustion index, as well as additional permit limits for the constituents listed above, are afforded the same relief. Combustion index is based on the carbon monoxide measurement ($CI = CO_2 * 100 / (CO_2 + CO)$) and addresses the same principal as the carbon monoxide permit limit,

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



ie. requiring a certain combustion efficiency.

The definition of malfunction relief pursuant to 40 CFR 60.58a(a) as discussed above, as well as malfunction relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4 applies to the OCRRF. The definition of emergency defense pursuant to 6 NYCRR Part 201-1.5 also applies to the OCRRF.

Startup, shutdown and malfunction relief would apply in those relatively few instances in which emissions limits developed for steady state operation can not be maintained due to these relatively brief transitional periods. Emergency defense would apply in rare instances in which emission limits developed for steady-state operation can not be maintained due to an emergency as defined in 6 NYCRR Part 201-2(b)(12).

The following definitions will be used to identify the mode of operation of the MWC.

Warm-up: Natural gas is the fuel used during the warm-up period at the OCRRF. The OCRRF is in the warm-up stage when only fossil fuel is being fired in order to warm the unit up to minimum combustion zone temperatures, or to keep the unit warm, before MSW feeding has commenced.

Start-up: As indicated in the facility's approved O&M Manual, startup is initiated at the OCRRF when a boiler's feedchute damper is opened and continuous burning of MSW is commenced.

Continuous Burning: 40 CFR 60.58(a)(2) defines continuous burning as, "the continuous, semi-continuous, or batch feeding of MSW for the purposes of waste disposal, energy production, or providing heat to the combustion system in preparation for waste disposal or energy production. The use of MSW solely to provide thermal protection of the grate or hearth during the start-up period shall not be considered to be continuous burning."

Shutdown: The shutdown period for a boiler begins when the continuous burning of MSW is ceased and the shutdown period ends when refuse is burned off the grates. As indicated in the OCRRF's approved O&M Manual, the shutdown period at the OCRRF commences when the subject unit's

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



feedchute damper is shut (this is the time at which continuous feeding is ceased). Shutdown of a unit is complete when solid waste is burned off the grates. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure the fires are out.

Malfunction: 40 CFR 60.2 defines malfunction as, "any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions." Malfunction is similarly defined in 6 NYCRR Part 201-2 as, "any sudden and unavoidable failure of an air cleaning device or air contamination source to operate in compliance with all applicable parts of this Chapter [6 NYCRR Part 201], and shall not include failures that are caused entirely or partially by poor maintenance, careless operation, or other preventable condition."

Emergency Conditions: 6 NYCRR Part 201-2(b)(12) defines emergency as, "any situation arising from suddenly and reasonably unforeseeable events beyond the control of the owner and/or operator of a facility, including acts of God, which situation requires immediate corrective action to restore normal operation and which causes the emission source to exceed a technology-based requirement under the permit of state-established emission limitations, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error."

Emission Source/Control: 000BH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00CIS - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 00SDA - Control
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 0SNCR - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION
(SNCR)



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Emission Source/Control: 00MWF - Incinerator
Design Capacity: 330 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 44.2(From Mod 1):

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

Emission Unit: 1-MBMWF

Process: STS

Source Classification Code: 5-01-900-06

Process Description:

One of three 330 tons per day (reference waste of 6000 Btu/lb) municipal waste combustors, firing natural gas during periods of startup, shutdown and malfunction as these terms are described below, and as otherwise needed to meet temperature requirements.

The startup period commences when the affected facility begins the continuous burning of SW and does not include any warmup period when the affected facility is combusting only auxiliary fuel or other non-SW fuel and no SW is being combusted. 40 CFR 60.58(a) reads: "The standards under this subpart apply at all times except during periods of startup, shutdown or malfunction, provided however that the duration of startup, shutdown and malfunction shall not exceed three hours per occurrence." The standards regulated under this subpart, for which the regulations provide startup, shutdown or malfunction relief, are particulate matter, opacity, sulfur dioxide, hydrogen chloride, nitrogen oxides, carbon monoxide and baghouse inlet temperature. Furthermore, combustion index, as well as additional permit limits for the constituents listed above, are afforded the same relief.

Combustion index is based on the carbon monoxide measurement ($CI = CO_2 * 100 / (CO_2 + CO)$) and addresses the same principal as the carbon monoxide permit limit, ie. requiring a certain combustion efficiency. The definition of malfunction relief pursuant to 40 CFR 60.58A(a) as discussed above, as well as malfunction relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4 applies to the OCRRF. The definition of emergency defense pursuant to 6 NYCRR Part 201-1.5 also applies to the OCRRF. Startup, shutdown and malfunction relief would apply in those relatively few instances in which emissions limits developed for steady state operation can not be maintained due to these relatively brief transitional periods.

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Emergency defense would apply in rare instances in which emission limits developed for steady-state operation can not be maintained due to an emergency as defined in 6 NYCRR Part 201-2(b)(12).

The following definitions will be used to identify the mode of operation of the MWC.

Warmup: natural gas is the fuel used during the warmup period at the OCRRF. The OCRRF is in the warmup stage when only auxiliary fuel is being fired in order to warm the unit up to minimum combustion zone temperatures, or to keep the unit warm, before SW feeding has commenced.

Startup: Startup is initiated at the OCRRF when a boiler's feedchute damper is opened and continuous burning of MSD is commenced. Continuous Burning: Consistent with 40 CFR 60, Subpart Ea and Cb, continuous burning is "The continuous, semi-continuous, or batch feeding of SW for purposes of waste disposal, energy production, or providing heat to the combustion system in preparation for waste disposal or energy production. The use of SW solely to provide thermal protection of the grate or hearth during the startup period shall not be considered to be continuous burning.

Shutdown: The shutdown period for a boiler begins when the continuous burning of SW is ceased and the shutdown period ends when SW is burned off the grates. The shutdown period at the OCRRF commences when the subject unit's feedchute damper is shut (this is the same time at which continuous feeding is ceased). Shutdown of a unit is complete when SW is burned off the grates. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure that the fires are out.

Malfunction: 40 CFR 60.2 defines malfunction as "any sudden, infrequent and not reasonably preventable failure of air pollution control equipment or a process to operate in a normal and usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions." Malfunction is similarly defined in 6 NYCRR Part 201-2 as "any sudden and unavoidable failure of an air cleaning device or air contamination source to operate in compliance with all applicable parts of this chapter (6 NYCRR Part 201) and shall not include failures that are caused entirely or partially by poor maintenance,

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



careless operation, or other preventable condition."

Emergency Conditions: 6 NYCRR Part 201-2(b)(12) defines emergency as "any situation arising from suddenly and reasonably unforeseeable events beyond the control of the owner and/or operator of a facility, including Acts of God, which situation requires immediate corrective action to restore normal operation and which causes the emission source to exceed a technology based requirement under the permit of State-established emission limitations, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error."

Emission Source/Control: AXBRN - Combustion

Emission Source/Control: 000BH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00CIS - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 00SDA - Control
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 0SNCR - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION
(SNCR)

Emission Source/Control: 00MWF - Incinerator
Design Capacity: 330 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Condition 45: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emission limit.

Parameter Monitored: CADMIUM

Upper Permit Limit: 0.040 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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 46: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO₂ emissions shall not exceed 29 ppmvd corrected to 7% O₂, unless uncontrolled SO₂ emissions are reduced by 75% or greater. Compliance is demonstrated using a CEMS and is based on a 24-hour daily geometric mean.

Manufacturer Name/Model Number: Western Research 721M

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 29 parts per million by volume (dry,
corrected to 7% O₂)

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 47: MWC Unit Load Level

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.34b, NSPS Subpart Cb

Item 47.1:

This Condition applies to Emission Unit: 1-MBMWF

Item 47.2:

The Permittee shall not cause the municipal waste combustor to operate at a load level greater than 110 percent of the maximum demonstrated municipal waste combustor unit load (highest 4-hour block arithmetic average unit steam load (measured in pounds per hour) achieved during the most recent performance test during which compliance with the dioxin/furan emission limit was achieved) except as follows:

(1) During the annual dioxin/furan performance test and the 2 weeks preceding the annual dioxin/furan performance test, no municipal waste combustor unit load limit is applicable.

(2) The municipal waste combustor unit load limit may be waived in accordance with permission granted by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving municipal waste combustor performance or advancing the state-of-the-art for controlling municipal waste combustor emissions.

Condition 48: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.34b(b), NSPS Subpart Cb

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Item 48.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The Permittee shall not cause the municipal waste combustor to operate at a temperature, measured at the particulate matter control device inlet, exceeding 17

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



degrees C above the maximum demonstrated particulate matter control device temperature during four consecutive hours (4-hour block arithmetic average) during the most recent dioxin/furan performance test demonstrating compliance with the applicable dioxin/furan limit, except as follows:

(1) During the annual dioxin/furan performance test and the 2 weeks preceding the annual dioxin/furan performance test, no particulate matter control device temperature limitations are applicable.

(2) The particulate matter control device temperature limits may be waived in accordance with permission granted by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving municipal waste combustor performance or advancing the state-of-the-art for controlling municipal waste combustor emissions.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 49: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.38b(a), NSPS Subpart Cb

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance and performance testing for the applicable emission limits specified in 40 CFR 60, Subpart Cb, shall be conducted in conformance with the applicable

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



requirements cited above, including:

At a minimum, valid continuous monitoring system hourly averages shall be obtained for 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter. For CEMS monitored constituents, at least two data points per hour shall be used to calculate each 1-hour arithmetic average. All valid CEMS data shall be used in calculating average emission concentrations and percent reductions even if the minimum CEMS data requirements are not met. The procedures under 40 CFR 60.13, Subpart A shall be followed for installation, evaluation and operation of the CEMS. The CEMS shall be operated in accordance with 40 CFR 60, Appendices B and F, as applicable.

All signal conversion elements associated with steam (or feedwater flow) measurements must be calibrated according to the manufacturer's instructions before each dioxin/furan performance test, and at least once per year.

During the performance tests for dioxin/furans and mercury, the average carbon mass feed rate shall be estimated based on carbon injection system operating parameters such as the screw feeder speed, hopper volume, hopper fill frequency, or other appropriate parameters. During operation of the facility, the carbon injection system operating parameters that are primary indicators of carbon mass feed rate must equal or exceed the levels documented during the performance tests for dioxins/furans and mercury (6 hour block average). For each calendar year quarter, the carbon injection rate in lbs/hr shall be estimated based on the following two independent methods: 1) primary indicator of carbon mass feed rate; and 2) based on the weight of carbon delivered to the facility.

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 50: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.39b, NSPS Subpart Cb

Item 50.1:



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OCRRF shall comply with the requirements of 40 CFR 60, Subpart Cb as incorporated under 6 NYCRR part 200.10. However, only requirements which are not addressed in, or are more stringent than, other applicable regulations have been included in this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 51: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.39b(a), NSPS Subpart Cb

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall comply with the reporting and recordkeeping requirements listed in 60.59b, as applicable, excluding the siting requirements under 60.59b(a), (b) and (d)(11), and the air curtain incinerator requirements of (c), (e) and (i). These requirements include:

Identification of the calendar dates when the average carbon mass feed rates (based on a six-hour block average) recorded were less than the hourly carbon feed rates estimated during mercury or dioxin/furan performance tests with reasons for such feed rates and a description of the corrective action taken.



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Identification of the calendar dates when the carbon injection system operating parameters that are the primary indicators of carbon mass feed rate (based on a six-hour block average) were below the levels estimated during mercury or dioxin/furan performance tests with reasons for such occurrences and a description of the corrective action taken.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 52: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60, NSPS Subpart Db

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The MSW incinerator units are subject to 40 CFR 60 Subpart Db. However, only requirements which are not addressed in, or are more stringent than, other applicable regulations have been included in this permit.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 53: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.49b(d), NSPS Subpart Db

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall not have an annual capacity factor for natural gas as defined in 40 CFR 60, Subpart Db, of greater than 10%. Per 40 CFR 60 Subpart Db.44b(k), this restriction on annual capacity relieves the facility from complying with the NSPS Subpart Db NO_x emission limit for natural gas firing.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 54: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 6NYCRR 200.7

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

SW feed into each unit shall be discontinued within 30 minutes of failure of any air pollution control device, except within 60 minutes of failure of the carbon injection system.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 55: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 6NYCRR 200.7

Item 55.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Emission Unit: 1-MBMWF

Process: MSW

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

FLUE GAS SHALL NOT BYPASS ANY AIR
POLLUTION CONTROL EQUIPMENT AT ANYTIME
COMBUSTIBLE WASTE IS IN THE MWC. BYPASS
IS PERMITTED WHEN UTILIZING ONLY
AUXILIARY FUEL.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 56: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions shall not exceed 30 ppmvd corrected to 7%
O₂. Compliance has been demonstrated during annual stack
testing through 1998. Compliance stack testing is
required during calendar year 2002 and at a minimum of
once every five years thereafter, unless more frequent
testing is required by the Department

Parameter Monitored: VOC

Upper Permit Limit: 30 parts per million by volume (dry,
corrected to 7% O₂)

Reference Test Method: 40 CFR 60APP A RM25A



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

SO₂ emissions shall not exceed 16.2 lb/hr. Compliance is
demonstrated during an annual stack test.

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 16.2 pounds per hour

Reference Test Method: 40 CFR APP A RM6C

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

CAS No: 0NY075-00-5 PM-10

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PM-10 emissions shall not exceed 3.16 lb/hr. Compliance is demonstrated during an annual stack test.

Parameter Monitored: PM-10

Upper Permit Limit: 3.16 pounds per hour

Reference Test Method: EPA RM 201A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 60: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions from each furnace flue shall not exceed 0.010 grains per dry standard cubic foot corrected to seven percent oxygen.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.010 grains per dry standard cubic
foot (corrected to 7% O₂)

Reference Test Method: 40 CFR 60 APP A RM 5

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 61: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emissions shall not exceed 0.012 lb/hr.

Compliance is demonstrated during an annual stack test.

Parameter Monitored: MERCURY

Upper Permit Limit: 0.012 pounds per hour

Reference Test Method: 40CFR60 APP A RM 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 62: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 62.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions shall not exceed 2.76 lb/hr. Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department

Parameter Monitored: VOC

Upper Permit Limit: 2.76 pounds per hour

Reference Test Method: EPA RM 25A

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 63: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCL emissions shall not exceed 5.24 lb/hr. Compliance is demonstrated during an annual stack test.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 5.24 pounds per hour

Reference Test Method: 40 CFR 60 APPA RM26

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Condition 64: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

CO emissions shall not exceed 8.04 lb/hr. Compliance is demonstrated during an annual stack test.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 8.04 pounds per hour

Reference Test Method: 40 CFR APP A RM10

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 65: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

Item 65.2:

Compliance Certification shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Beryllium emissions shall not exceed 0.0000115 lb/hr.
Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 0.0000115 pounds per hour

Reference Test Method: 40 CFR 60 APP B RM29

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 66: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO₂ emissions shall not exceed 30 ppmvd corrected to 7% O₂, determined on a 24-hour geometric block average basis by continuous monitoring, unless uncontrolled SO₂ emissions are reduced by not less than 85%.

Manufacturer Name/Model Number: Western Research 721M

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 30 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: 40 CFR 60 APP B/F

Monitoring Frequency: CONTINUOUS



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 67: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-38-2 ARSENIC

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Arsenic emissions shall not exceed 0.00078 lb/hr.

Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department

Parameter Monitored: ARSENIC

Upper Permit Limit: 0.00078 pounds per hour

Reference Test Method: 40 CFR 60 APP A RM29

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 68: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 68.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO emissions shall not exceed 45 ppmvd corrected to 7% O₂ based on a 24 hour block average. This standard applies at all times when combusting SW except during periods of startup, shutdown and malfunction (not to exceed 3 hours per occurrence).

Manufacturer Name/Model Number: Fuji ZRH2

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 45 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 69: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Monitoring Description:

SO₂ emissions shall not exceed 40 ppmvd corrected to 7% O₂ or 75% removal efficiency, whichever is least restrictive, based on a 3 hour rolling average. This emission standard applies at all times when combusting SW except during periods of startup, shutdown or malfunctions not to exceed 3 hours per occurrence.

Manufacturer Name/Model Number: Western Research 721M

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 40 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 70: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The composite CO mass emission limit from 3 MWC furnaces shall not exceed 95 tons per year. Compliance is based on continuous measurement of CO emissions whenever there is measurable steam flow.

Manufacturer Name/Model Number: Fuji ZRH2

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 95 tons per year

Reference Test Method: 40 CFR 60 APP B



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 71: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF
Process: MSW

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

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CO emissions shall not exceed 50 ppmvd corrected to 7% O₂
based on an 8 hour rolling average. This standard applies
at all times when combusting SW except during periods of
startup, shutdown or malfunction (not to exceed 3 hours
per occurrence).

Manufacturer Name/Model Number: Fuji ZRH1

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: 40 CFR 60 App B

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 72: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOX EMISSIONS SHALL NOT EXCEED 58 LB/HR
PER MWC, AS DEMONSTRATED DURING ANNUAL
STACK TESTING.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 58 pounds per hour

Reference Test Method: 40 CFR 60 APP A RM7E

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 73: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOX EMISSIONS SHALL NOT EXCEED 200 PPMVD
@ 7% O₂ BASED ON 3 HR ROLLING AVG.



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

EMISSION STANDARD APPLIES AT ALL TIMES
WHEN COMBUSTING SW EXCEPT DURING PERIODS
OF STARTUP SHUTDOWN OR MALFUNCTION
PROVIDED THEY DO NOT EXCEED 3 HOURS PER
OCCURRENCE.

Manufacturer Name/Model Number: TECO 48
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 200 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: 40 CFR 60 APP B
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 74: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF
Process: MSW

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

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
NO_x emissions shall not exceed 180 ppmvd corrected to 7%
O₂ based on a 24-hour arithmetic block average.
Compliance is determined using a NO_x CEMS.

Manufacturer Name/Model Number: TECO 42H
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 180 parts per million by volume
(dry, corrected to 7% O₂)
Reference Test Method: 40 CFR 60 APP B
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC)

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 75: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Sulfuric Acid Mist emissions shall not exceed 1.69 lbs/hr. Compliance has been demonstrated during annual stack testing through 1998. Future testing may be required at the discretion of the Department.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 1.69 pounds per hour

Reference Test Method: 40 CFR 60 APP A RM 8

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Process: MSW

Regulated Contaminant(s):

CAS No: 016984-48-8 FLUORIDE

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Flouride emissions (as hydrogen flouride) shall not exceed 0.165 lbs/hr. Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department

Parameter Monitored: FLUORIDE

Upper Permit Limit: 0.165 pounds per hour

Reference Test Method: 40 CFR 60APPA RM13B

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 77: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emissions shall not exceed 0.0381 lb/hr. Compliance is demonstrated during an annual stack test.



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Parameter Monitored: LEAD
Upper Permit Limit: 0.0381 pounds per hour
Reference Test Method: 40 CFR 60 APP A RM29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 78: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF
Process: MSW

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
PM10 emissions shall not exceed 0.010 grains/dscf
corrected to 7% O₂. Compliance is demonstrated during an
annual stack test.

Parameter Monitored: PM-10
Upper Permit Limit: 0.010 grains per dry standard cubic
foot (corrected to 7% O₂)
Reference Test Method: 40 CFR 51 EPA RM201A
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 79: Compliance Certification
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 52.21(j)(2), Subpart A

Item 79.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emissions shall not exceed 0.0019 lb/hr.

Compliance is based upon an annual stack test.

Parameter Monitored: CADMIUM

Upper Permit Limit: 0.0019 pounds per hour

Reference Test Method: 40 CFR 60 APP A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 80: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.33b(a)(2)(iii), NSPS Subpart Cb

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emission limit. The Upper Limit for lead of 0.49 milligrams per dry standard cubic meter (corrected to 7% O₂) shall be reduced to 0.44 milligrams per dry standard cubic meter (corrected to 7% O₂) effective April 12, 2002.

Parameter Monitored: LEAD



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Upper Permit Limit: 0.49 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: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 81: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.34b(a), NSPS Subpart Cb

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Carbon monoxide emission limit for mass burn waterwall
municipal waste combustor.

Manufacturer Name/Model Number: TECO 48

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: 40 CFR 60 APP B/F

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 82: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.52a(b), NSPS Subpart Ea

Item 82.1:

The Compliance Certification activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Emission Unit: 1-MBMWF

Process: MSW

Item 82.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Stack opacity shall not exceed 10% (6 minute block
average) as determined by a Continuous Opacity Monitoring
System located in each stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: 40 CFR 60 APP B

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 83: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

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

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

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

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Dioxin/furan emissions shall not exceed 30 nanograms per
dry standard cubic meter, corrected to 7% O₂. Compliance
is demonstrated during annual stack testing.

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



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

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

Reference Test Method: EPA RM 23

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 84: Compliance Certification

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable Federal Requirement: 40CFR 60.54a(d), NSPS Subpart Ea

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCL emissions shall not exceed 25 ppmvd corrected to 7%
O₂ or 95% removal efficiency by volume, whichever is less
stringent. Compliance is demonstrated during an annual
stack test.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 25 parts per million by volume (dry,
corrected to 7% O₂)

Reference Test Method: 40 CFR 60 APP A RM26

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



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 only enforceable and are not subject to annual compliance certification requirements for Title V permits.

Condition 1-7: Contaminant List

Effective between the dates of 03/24/2003 and 01/08/2007

Applicable State Requirement: ECL 19-0301.

Item 1-7.1:

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



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

CAS No: 001746-01-6

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

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 007440-38-2

Name: ARSENIC

CAS No: 007440-41-7

Name: BERYLLIUM

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 018540-29-9

Name: CHROMIUM(VI)

CAS No: 007440-50-8

Name: COPPER

CAS No: 016984-48-8

Name: FLUORIDE

CAS No: 000050-00-0

Name: FORMALDEHYDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-96-5

Name: MANGANESE

CAS No: 007439-97-6

Name: MERCURY

CAS No: 007440-02-0

Name: NICKEL METAL AND INSOLUBLE COMPOUNDS



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

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

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

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 001336-36-3
Name: POLYCHLORINATED BIPHENYL

CAS No: 130498-29-2
Name: POLYCYCLIC AROMATIC HYDROCARBONS

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

CAS No: 007664-93-9
Name: SULFURIC ACID

CAS No: 007440-62-2
Name: VANADIUM

CAS No: 0NY998-00-0
Name: VOC

CAS No: 007440-66-6
Name: ZINC

Condition 85: Unavoidable noncompliance and violations
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 201-1.4

Item 85.1:

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: 7-3142-00028/00009

Facility DEC ID: 7314200028

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 88: Air pollution prohibited

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 211.2

Item 88.1:

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

Condition 1-8: Compliance Demonstration

Effective between the dates of 03/24/2003 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-7.2

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Item 1-8.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 1-8.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen). Annual compliance is based on the average of the annual stack tests on each municipal waste combustor (MWC) unit at the facility using the stack testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm or 85% reduction of mercury, whichever is less stringent. Emission control devices must be kept 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 devices effectively. Compliance with this regulation is required within one year of the effective date of the regulation (i.e., by 10/30/03). Initial compliance testing must take place within 180 days of the compliance date of the regulation (i.e., by 4/30/04).

Parameter Monitored: MERCURY

Upper Permit Limit: 85 percent reduction by weight

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-9: Compliance Demonstration

Effective between the dates of 03/24/2003 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-7.2

Item 1-9.1:



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 1-9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen). Annual compliance is based on the average of the annual stack tests on each municipal waste combustor (MWC) unit at the facility using the stack testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm or 85% reduction of mercury, whichever is less stringent. Emission control devices must be kept 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 devices effectively. Compliance with this regulation is required within one year of the effective date of the regulation (i.e., by 10/30/03). Initial compliance testing must take place within 180 days of the compliance date of the regulation (i.e., by 4/30/04).

Parameter Monitored: MERCURY

Upper Permit Limit: 28 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Condition 89: Startup, shutdown and upset conditions

Effective between the dates of 01/08/2002 and 01/08/2007

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Applicable State Requirement: 6NYCRR 219-2.5

Item 89.1:

This Condition applies to Emission Unit: 1-MBMWF

Item 89.2:

The incinerator must be operated in accordance with its approved operating plan to provide for proper maintenance, and avoid careless operation or other preventable conditions during startup, shutdown and other upset condition periods.

Condition 90: Continuous Emission Monitoring - Fabric Filters
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.7

Item 90.1:

This Condition applies to Emission Unit: 1-MBMWF

Item 90.2:

The owner and/or operator shall report, tabulate and summarize emission and operating parameters each calendar quarter for the preceeding three month period. Such quarterly summaries must be submitted as set forth in the protocols, reports and notification requirements of this permit within 30 days after the end of each calendar quarter in a format acceptable to the commissioner, and must include the following at a minimum:

- (a) steam temperature in degrees F, steam pressure in pounds per square inch absolute and steam flow in pounds per hour (hourly average);
- (b) hourly auxiliary fuel use per furnace in gallons per hour for fuel oil and cubic feet per hour for gaseous fuel;
- (c) fabric filters:
 - (i) hourly average pressure drop across each module and also across the inlet and outlet of the entire device in inches of water;
 - (ii) number of compartments in use, hourly;
 - (iii) hourly average temperature at both inlet and outlet of the device in degrees F; and
 - (iv) frequency and duration of maintenance or cleaning periods when the fabric filter is not fully operational;
- (d) for gaseous contaminant emission control devices:
 - (i) hourly average pressure drop across device in inches of water;
 - (ii) hourly average temperature at both inlet and outlet of the device in degrees F;

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



(iii) reagent chemicals used in pounds per hour by chemical;

(iv) water use in gallons per hour; and

(v) frequency, duration, and description of periods when the device is not fully operational.

Item 90.3:

All records and summaries of all measurements and operating parameters must be retained for at least three years, and made available upon request of the commissioner or his representative within 10 working days from receipt of the request.

Item 90.4:

Quarterly summary of emissions and operating parameters must be forwarded to the department and other agencies identified in the protocols, reports and notification requirements section of this permit within 30 days of the end of each calendar quarter.

Item 90.5:

Excess emissions and/or out of compliance operating parameters must be reported to the regional air pollution control engineer within one working day of occurrence, along with a program for immediate correction of these conditions.

Item 90.6:

All reports must include a section on data quality control and quality assurance, consistent with the required data quality control and quality assurance plan approved by the commissioner.

Condition 91: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.7(e)

Item 91.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Item 91.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

RECORDS & SUMMARIES OF ALL REQUIRED MEASUREMENTS AND OPERATING PARAMETERS MUST BE RETAINED FOR AT LEAST 3 YEARS AND MADE AVAILABLE UPON REQUEST BY NYSDEC WITHIN 10 DAYS CONSISTENT WITH 6 NYCRR 219-2.7(E).

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 92: Compliance Demonstration
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(d)

Item 92.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF
Process: MSW

Regulated Contaminant(s):
CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 92.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Dioxin & Furan (Dioxin/Furan expressed as 2,3,7,8 TCDD,
TEQ as given in 6 NYCRR PART 219) emissions shall not
exceed the more stringent of 0.4 ng/dscm corrected to 7%
O₂ or 1.29E-07 lb/hr. Compliance is based upon annual
stack testing.

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

Upper Permit Limit: 0.4 nanograms per dry standard cubic
meter (corrected to 7% O₂)

Reference Test Method: 40 CFR 60 APP A RM23

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 93: Compliance Demonstration
Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 93.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-62-2 VANADIUM

Item 93.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Vanadium emissions shall not exceed 0.0006 lb/hr.

Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: VANADIUM

Upper Permit Limit: 0.0006 pounds per hour

Reference Test Method: EPA RM 29

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 94: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 94.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 94.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PCB emissions shall not exceed 0.053 ug/dscm corrected to 7% O₂. Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: POLYCHLORINATED BIPHENYL

Upper Permit Limit: 0.053 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40 CFR 60 APP A

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 95: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 95.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

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

Item 95.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Nickel emissions shall not exceed 0.004 lb/hr.

Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS

Upper Permit Limit: .004 pounds per hour

Reference Test Method: EPA RM 29

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Condition 96: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 96.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007439-96-5 MANGANESE

Item 96.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Manganese emissions shall not exceed 0.023 lb/hr.

Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: MANGANESE

Upper Permit Limit: 0.023 pounds per hour

Reference Test Method: EPA RM 29

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 97: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 97.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Item 97.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Formaldehyde emissions shall not exceed 50 ug/dscm corrected to 7% O₂. Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: FORMALDEHYDE

Upper Permit Limit: 50 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA RM 23

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 98: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 98.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-50-8 COPPER

Item 98.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Copper emissions shall not exceed 0.004 lb/hr. Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department..



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Parameter Monitored: COPPER

Upper Permit Limit: 0.004 pounds per hour

Reference Test Method: EPA RM 29

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 99: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 99.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-47-3 CHROMIUM

Item 99.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Chromium emissions shall not exceed 0.00193 lbs/hr.

Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: CHROMIUM

Upper Permit Limit: 0.00193 pounds per hour

Reference Test Method: 40 CFR 60 APP A RM29

Monitoring Frequency: AS REQUIRED - SEE MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 100: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 100.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

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

Item 100.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Chromium (VI) emissions shall not exceed 0.0003 lb/hr.

Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: CHROMIUM(VI)

Upper Permit Limit: 0.0003 pounds per hour

Reference Test Method: EPA RM29

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 101: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 101.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 101.2:

Compliance Demonstration shall include the following monitoring:



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions shall not exceed 50 ppmvd @ 7% O₂.

Compliance is demonstrated based on an annual stack test.

Parameter Monitored: AMMONIA

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

Reference Test Method: EPA RM 26

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 102: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 102.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-66-6 ZINC

Item 102.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Zinc emissions shall not exceed 0.0188 lb/hr.

Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: ZINC

Upper Permit Limit: 0.0188 pounds per hour

Reference Test Method: 40 CFR 60 APP A RM29

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 103: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 103.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 103.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions shall not exceed 4.88 lb/hr.

Compliance is demonstrated on an annual stack test.

Parameter Monitored: AMMONIA

Upper Permit Limit: 4.88 pounds per hour

Reference Test Method: EPA RM 26

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 104: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.2(e)

Item 104.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 130498-29-2 POLYCYCLIC AROMATIC HYDROCARBONS

Item 104.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PAH emissions shall not exceed 1.0 ug/dscm corrected to 7% O₂ or 0.00014 lb/hr. Compliance has been demonstrated during annual stack testing through 1998. Compliance stack testing is required during calendar year 2002 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: POLYCYCLIC AROMATIC HYDROCARBONS

Upper Permit Limit: 1.0 micrograms per dry standard
cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA RM 23

Monitoring Frequency: AS REQUIRED - SEE MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 105: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.4(a)(1)

Item 105.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Item 105.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The combustion index as defined $CI = CO_2 \times 100 / (CO_2 + CO)$ shall be maintained at a minimum of 99.95% based on a 7-day rolling average. This standard applies at all times when combusting SW except during startup, shutdown or upsets as described in 6 NYCRR Part 219-2.5.

Parameter Monitored: COMBUSTION INDEX

Lower Permit Limit: 99.95 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 106: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.4(a)(1)

Item 106.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Item 106.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The combustion index as defined $CI = CO_2 \times 100 / (CO_2 + CO)$
shall be maintained at a minimum of 99.9% based on an 8
hour rolling average. This standard applies at all times
when combusting SW except during periods of startup,
shutdown or upsets as described in 6 NYCRR Part 219-2.5.

Parameter Monitored: COMBUSTION INDEX

Lower Permit Limit: 99.9 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 107: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 219-2.4(b)

Item 107.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Item 107.2:

New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028



Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Combustion zone temperature must be maintained at a minimum of 1800 deg F for a minimum of 1 second residence time based on a surrogate method acceptable to NYSDEC. Compliance for a 30-minute block average is demonstrated based on a boiler roof temperature correlation study dated 3/24/95.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1800 degrees Fahrenheit

Reference Test Method: See Description

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 108: Compliance Demonstration

Effective between the dates of 01/08/2002 and 01/08/2007

Applicable State Requirement: 6NYCRR 617.11(d)

Item 108.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWF

Process: MSW

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 108.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Ammonia emissions shall be continuously monitored providing process data. This data is not used for determining compliance with the ammonia emission limit.

Manufacturer Name/Model Number: Perkin Elmer MCS 100

Parameter Monitored: AMMONIA



New York State Department of Environmental Conservation

Permit ID: 7-3142-00028/00009

Facility DEC ID: 7314200028

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY