



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-3142-00028/00009
Effective Date:

Expiration Date:

Permit Issued To: COVANTA ONONDAGA LP
5801 ROCK CUT RD
JAMESVILLE, NY 13078-9408

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

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

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

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

Description:

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: JOANNE L MARCH
DIVISION OF ENVIRONMENTAL PERMITS
615 ERIE BLVD WEST
SYRACUSE, NY 13204-2400

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS



DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:



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

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.6(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



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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5801 ROCK CUT RD
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ONONDAGA COUNTY RESOURCE RECOVERY AGENCY
100 ELWOOD DAVIS RD
NORTH SYRACUSE, NY 13212-4312

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

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

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

Submission of application for permit modification or renewal-REGION 7 HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6NYCRR 201-6.5(a)(7): Fees
- 3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 6 6NYCRR 201-6.5(e): Compliance Certification
- 7 6NYCRR 202-2.1: Compliance Certification
- 8 6NYCRR 202-2.5: Recordkeeping requirements
- 9 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6NYCRR 200.7: Maintenance of Equipment
- 11 6NYCRR 201-1.7: Recycling and Salvage
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 14 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 15 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 16 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 17 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 18 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 19 6NYCRR 202-1.1: Required Emissions Tests
- 20 6NYCRR 211.3: Visible Emissions Limited
- 21 40CFR 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6NYCRR 200.7: Compliance Certification
- 24 6NYCRR 200.7: Compliance Certification
- 25 6NYCRR 201-6: Emission Unit Definition
- 26 40CFR 52.21, Subpart A: Compliance Certification
- 27 40CFR 52.21, Subpart A: Compliance Certification
- 28 40CFR 52.21, Subpart A: Compliance Certification
- 29 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 30 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 31 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 32 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 33 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 34 40CFR 52.21(j)(2), Subpart A: Compliance Certification



- 35 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 36 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 37 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 38 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 39 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 40 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 41 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 42 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 43 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 44 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 45 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 46 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 47 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 48 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 49 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 50 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 51 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 52 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 53 40CFR 60.38b, NSPS Subpart Cb: Compliance Certification
- 54 40CFR 60.39b, NSPS Subpart Cb: Compliance Certification
- 55 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 56 40CFR 60.52a(b), NSPS Subpart Ea: Compliance Certification
- 57 40CFR 60.54a(d), NSPS Subpart Ea: Compliance Certification
- 58 40CFR 60.56a(f), NSPS Subpart Ea: MWC Operating Standards
(Operations Manual)
- 59 40CFR 60.56a(g), NSPS Subpart Ea: MWC Operating Standards (Annual
Manual Review)

Emission Unit Level

- 60 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 61 6NYCRR 201-6: Process Definition By Emission Unit
- 62 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 63 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 64 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 65 40CFR 60.33b(a)(4), NSPS Subpart Cb: Compliance Certification
- 66 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 67 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 68 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 69 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

EU=1-MBMWF,EP=00001,Proc=MS1,ES=00MWF

- 70 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 71 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 72 ECL 19-0301: Contaminant List
- 73 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 74 6NYCRR 211.2: Air pollution prohibited
- 75 6NYCRR 219-2.2(d): Compliance Demonstration
- 76 6NYCRR 219-2.2(g): Compliance Demonstration
- 77 6NYCRR 219-2.2(g): Compliance Demonstration
- 78 6NYCRR 219-2.2(g): Compliance Demonstration
- 79 6NYCRR 219-2.2(g): Compliance Demonstration



- 80 6NYCRR 219-2.2(g): Compliance Demonstration
- 81 6NYCRR 219-2.2(g): Compliance Demonstration
- 82 6NYCRR 219-2.2(g): Compliance Demonstration
- 83 6NYCRR 219-2.2(g): Compliance Demonstration
- 84 6NYCRR 219-2.2(g): Compliance Demonstration
- 85 6NYCRR 219-2.2(g): Compliance Demonstration
- 86 6NYCRR 219-2.2(g): Compliance Demonstration
- 87 6NYCRR 219-2.2(g): Compliance Demonstration
- 88 6NYCRR 219-2.4(a)(1): Compliance Demonstration
- 89 6NYCRR 219-2.4(a)(1): Compliance Demonstration
- 90 6NYCRR 219-2.4(b): Compliance Demonstration
- 91 6NYCRR 219-2.7(e): Compliance Demonstration

Emission Unit Level

EU=1-MBMWF

- 92 6NYCRR 219-2.5: Startup, shutdown and upset conditions
- 93 6NYCRR 219-2.7: Continuous Emission Monitoring - Fabric Filters
- 94 6NYCRR 219-7.2: Compliance Demonstration
- 95 6NYCRR 219-7.2: Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

(1) An emergency occurred and that the facility owner and/or

operator can identify the cause(s) of the emergency;

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

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

(4) The facility owner and/or operator notified the Department

within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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



- Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**



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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the



effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

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

**Condition 1: Acceptable Ambient Air Quality
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.6

Item 1.1:

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

**Condition 2: Fees
Effective for entire length of Permit**

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

Item 2.1:

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

**Condition 3: Recordkeeping and reporting of compliance monitoring
Effective for entire length of Permit**

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

Item 3.1:

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



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

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

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective for entire length of Permit

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

Item 4.1:

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

Condition 5: Compliance Certification
Effective for entire length of Permit

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



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

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

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

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

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

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

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



deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of 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.
Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective for entire length of Permit

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



Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



Source Compliance Section, the Region 2 EPA representative
for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2009.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 202-2.5

Item 8.1:



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

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

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

**Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 215

Item 9.1:

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

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

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

**Condition 10: Maintenance of Equipment
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.7

Item 10.1:

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

**Condition 11: Recycling and Salvage
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-1.7

Item 11.1:



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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-1.8

Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information
Effective for entire length of Permit

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

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any



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

Condition 16: General Condition - Right to Inspect
Effective for entire length of Permit

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

Item 16.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective for entire length of Permit

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

Item 17.1:

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

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes
Effective for entire length of Permit

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



Item 18.1:

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

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

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

**Condition 19: Required Emissions Tests
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 202-1.1

Item 19.1:

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

**Condition 20: Visible Emissions Limited
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 211.3

Item 20.1:

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

**Condition 21: Accidental release provisions.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 68

Item 21.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in



quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 22: Recycling and Emissions Reduction
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:

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

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

**Condition 23: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.7

Item 23.1:

The Compliance Certification activity will be performed for the Facility.

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

MSW feed 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 24: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.7

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 25: Emission Unit Definition
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Item 25.1:

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.

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 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 26: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

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 PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 27: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Pursuant to 40 CFR 60 Subpart Cb, the permittee shall conduct performance tests annually on a calendar year basis. Annual testing shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous performance test; and must complete five performance tests in each 5-year calendar period.

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 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 completion of such tests.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 28: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

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 PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 29: Compliance Certification
Effective for entire length of Permit

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

Item 29.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF
Process: MS1

Emission Point: 00001
Emission Source: 000BH



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007440-43-9	CADMIUM

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emissions shall not exceed 0.0019 lb/hr for each incinerator. 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 30: Compliance Certification
Effective for entire length of Permit

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

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF	Emission Point: 00003



Process: MS3	Emission Source: 02CIS
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02MWF
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02SDA
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 2SNCR
Regulated Contaminant(s):	
CAS No: 007440-38-2	ARSENIC

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Arsenic emissions shall not exceed 0.00078 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, 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 PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 31: Compliance Certification
Effective for entire length of Permit**

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

Item 31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 000BH
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00CIS
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00MWF
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00SDA



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 31.2:

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 for each incinerator. 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 stack TECO 48 inlet

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

Condition 32: Compliance Certification
Effective for entire length of Permit

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

Item 32.1:

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

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF



Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 02SDA

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Filterable PM-10 emissions shall not exceed 0.010 grains/dscf corrected to 7% O2 for each incinerator. Compliance is demonstrated during an annual stack test using either EPA RM 5 or EPA RM 201A. This limit does not include condensible PM-10 emissions as measured by EPA RM 202. Covanta shall obtain PM-10 condensible emission test data using EPA RM 202 during each annual stack test during the term of this permit. This data, along with all other previously obtained data, shall be used to propose a total PM-10 emission limit for each unit for the next T5 renewal permit.

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 App M RM 201A and 202

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 33: Compliance Certification
 Effective for entire length of Permit**

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

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emissions shall not exceed 0.004 lb/hr for each incinerator. Compliance is demonstrated during an annual stack test.

Parameter Monitored: MERCURY

Upper Permit Limit: 0.004 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 34: Compliance Certification
Effective for entire length of Permit

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

Item 34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF	Emission Point: 00003



Process: MS3 Emission Source: 02SDA

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Filterable PM-10 emissions shall not exceed 3.16 lb/hr for each incinerator. Compliance is demonstrated during an annual stack test. Compliance is demonstrated during an annual stack test using either EPA RM 5 or EPA RM 201A. This limit does not include condensible PM-10 emissions as measured by EPA RM 202. Covanta shall obtain PM-10 condensible emission test data using EPA RM 202 during each annual stack test during the term of this permit. This data, along with all other previously obtained data, shall be used to propose a total PM-10 emission limit for each unit for the next T5 renewal permit.

Parameter Monitored: PM-10

Upper Permit Limit: 3.16 pounds per hour

Reference Test Method: 40 CFR 51 App M RM 201A and 202

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 35: Compliance Certification
Effective for entire length of Permit**

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

Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00SDA



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007440-41-7 BERYLLIUM

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Beryllium emissions shall not exceed 0.0000115 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, 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 A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 36: Compliance Certification
Effective for entire length of Permit**

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

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA



Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

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

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

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 for each incinerator. 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 921

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.

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

**Condition 37: Compliance Certification
Effective for entire length of Permit**

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

Item 37.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00SDA

Emission Unit: 1-MBMWF Emission Point: 00001



Process: MS1	Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

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

Item 37.2:

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, determined on a 24-hour geometric block average basis by continuous monitoring for each incinerator, unless uncontrolled SO2 emissions are reduced by not less than 85%.

Manufacturer Name/Model Number: Western Research 921

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/F

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)



Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 38: Compliance Certification
Effective for entire length of Permit

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

Item 38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF	Emission Point: 00003



Process: MS3 Emission Source: 02SDA

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

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

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions shall not exceed 0.010 grains per dry standard cubic foot corrected to 7% O2 for each incinerator.

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 RM5

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 39: Compliance Certification Effective for entire length of Permit

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

Item 39.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00SDA

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 0SNCR

Emission Unit: 1-MBMWF Emission Point: 00002
Process: MS2 Emission Source: 001BH



Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007439-92-1 LEAD

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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 40: Compliance Certification
Effective for entire length of Permit**

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

Item 40.1:



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

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

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

Item 40.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions shall not exceed 180 ppmvd corrected to 7% O2 based on a 24-hour arithmetic block average for each incinerator. Compliance is determined using a NOx CEMS.

Manufacturer Name/Model Number: TECO 42H or TECO 42i

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 MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 41: Compliance Certification
Effective for entire length of Permit**

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

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF	Emission Point: 00002



Process: MS2	Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emissions shall not exceed 58 lb/hr for each incinerator, 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 42: Compliance Certification
Effective for entire length of Permit**

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

Item 42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

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

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions shall not exceed 200 ppmvd corrected to 7% O2 based on a 3 hr rolling average for each incinerator. Emission standard applies at all times when combusting MSW except during periods of startup shutdown or malfunction provided they do not exceed 3 hours per occurrence.



Manufacturer Name/Model Number: TECO 42H or TECO 42i
 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.
 Subsequent reports are due every 3 calendar month(s).

Condition 43: Compliance Certification
Effective for entire length of Permit

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

Item 43.1:

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

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH



Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02CIS
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02MWF
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02SDA
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 2SNCR

Regulated Contaminant(s):
 CAS No: 016984-48-8 FLUORIDE

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Fluoride emissions (as hydrogen fluoride) shall not exceed 0.165 lbs/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, 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 60 App A RM13B
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 44: Compliance Certification
Effective for entire length of Permit

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

Item 44.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 000BH
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00CIS
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00MWF



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

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

Item 44.2:

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 stack TECO48 inlet

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 95 tons per year



Reference Test Method: 40 CFR 60 App B
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 45: Compliance Certification
Effective for entire length of Permit

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

Item 45.1:

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

Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMW Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMW Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMW Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMW Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMW Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMW Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMW Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMW	Emission Point: 00003



Process: MS3 Emission Source: 02MWF

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 02SDA

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

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

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

SO2 emissions shall not exceed 16.2 lb/hr for each incinerator. 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 60 App A RM6C

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 46: Compliance Certification
Effective for entire length of Permit**

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

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00SDA

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 0SNCR

Emission Unit: 1-MBMWF Emission Point: 00002



Process: MS2	Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 46.2:

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, for each incinerator. Compliance stack testing is required at a minimum of once every five years, 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 60 App A RM25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 47: Compliance Certification



Effective for entire length of Permit

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

Item 47.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR



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

Item 47.2:

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 for each incinerator. 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 stack TECO 48 inlet

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.

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

**Condition 48: Compliance Certification
Effective for entire length of Permit**

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

Item 48.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMW Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMW Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMW	Emission Point: 00002



Process: MS2	Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

CO emissions shall not exceed 8.04 lb/hr for each incinerator. 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 60 App A RM10

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 49: Compliance Certification
Effective for entire length of Permit

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

Item 49.1:

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007664-93-9	SULFURIC ACID

Item 49.2:

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 for each incinerator. 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 RM8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 50: Compliance Certification
Effective for entire length of Permit**

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

Item 50.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR



Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCL emissions shall not exceed 5.24 lb/hr for each incinerator. Compliance is demonstrated during an annual stack test. In accordance with the terms of a NYSDEC Consent Order dated 2/23/00, in order to ensure compliance with the 5.24 lb/hr HCl emission limit, the full load minimum lime injection rate to each scrubber shall be a minimum of 275 lb/hr based on a 3-hour block average. Lime is injected on a sliding scale proportionate to individual boiler load (ie. at 80% load the minimum lime rate shall be 220 lb/hr). The injection rate will never be less than 220 lb/hr. The lime injection rate limit shall apply at all times except during periods of startup, shutdown and unavoidable malfunctions, not to exceed 3 hours per occurrence.

The lime injection rate for each unit shall be continuously monitored and one-hour averages recorded. When continuous monitoring is temporarily interrupted due to maintenance or repair, lime percent solids and minimum lime flow rate of the control valve will be recorded in the operator's log at least two times per hour at least 15-minutes apart. Scrubber atomizer heads shall be inspected and serviced or changed every 15 days and a log of such inspections and change outs shall be maintained at the facility. Records must be maintained at the facility for three years pursuant to 6NYCRR 219-2.7.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 5.24 pounds per hour



Reference Test Method: 40 CFR 60 App A RM26

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 51: Compliance Certification
Effective for entire length of Permit**

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

Item 51.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF



Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 02SDA

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

VOC emissions shall not exceed 2.76 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, unless more frequent testing is required by the Department.

Parameter Monitored: VOC

Upper Permit Limit: 2.76 pounds per hour

Reference Test Method: 40 CFR 60 App A RM25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 52: Compliance Certification
Effective for entire length of Permit**

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

Item 52.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00SDA

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 0SNCR



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification
Effective for entire length of Permit

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

Item 53.1:

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

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF	Emission Point: 00003



Process: MS3

Emission Source: 02SDA

Emission Unit: 1-MBMWF

Emission Point: 00003

Process: MS3

Emission Source: 2SNCR

Item 53.2:

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 requirements cited above, including:

At a minimum, valid continuous monitoring system hourly averages shall be obtained for 90 percent of the operating days per calendar quarter and 95 percent of the operating days per calendar year. 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 PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 54: Compliance Certification
Effective for entire length of Permit

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

Item 54.1:

The Compliance Certification activity will be performed for the Facility.

Item 54.2:

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 PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 55: Compliance Certification
Effective for entire length of Permit

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

Item 55.1:

The Compliance Certification activity will be performed for the Facility.

Item 55.2:

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 an eight-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.

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 PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 56: Compliance Certification
Effective for entire length of Permit

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

Item 56.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH



Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02CIS
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02MWF
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02SDA
Emission Unit: 1-MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 2SNCR

Item 56.2:

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
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

**Condition 57: Compliance Certification
Effective for entire length of Permit**

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

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 000BH
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00CIS
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00MWF
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00SDA



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

Item 57.2:

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 weight or volume), whichever is less stringent for each incinerator. 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

**Condition 58: MWC Operating Standards (Operations Manual)
Effective for entire length of Permit**

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

Item 58.1:

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 59: MWC Operating Standards (Annual Manual Review)
Effective for entire length of Permit**

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

Item 59.1:

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.

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

**Condition 60: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Item 60.1:

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.): 4761.953 NYTME (km.): 409.154 Building: 1

Emission Point: 00002

Height (ft.): 274 Diameter (in.): 66
NYTMN (km.): 4761.954 NYTME (km.): 409.154 Building: 1

Emission Point: 00003

Height (ft.): 274 Diameter (in.): 66
NYTMN (km.): 4761.954 NYTME (km.): 409.153 Building: 1

Condition 61: Process Definition By Emission Unit



Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Item 61.1:

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

Emission Unit: 1-MBMWF

Process: MS1

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, 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 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 be 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)

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 61.2:

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

Emission Unit: 1-MBMWF
Process: MS2 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, 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 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 be 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: 001BH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 01CIS - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 01SDA - Control
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 1SNCR - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION
(SNCR)

Emission Source/Control: 01MWF - Incinerator
Design Capacity: 330 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 61.3:

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

Emission Unit: 1-MBMWF
Process: MS3 Source Classification Code: 5-01-001-04
Process Description:

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, 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 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: 002BH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 02CIS - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 02SDA - Control
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 2SNCR - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION
(SNCR)

Emission Source/Control: 02MWF - Incinerator
Design Capacity: 330 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 61.4:

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

Emission Unit: 1-MBMWF

Process: ST1

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. 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, 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

Item 61.5:

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

Emission Unit: 1-MBMWF

Process: ST2

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. 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, 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: AXBR1 - Combustion

Emission Source/Control: 001BH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 01CIS - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 01SDA - Control



Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 1SNCR - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION
(SNCR)

Emission Source/Control: 01MWF - Incinerator
Design Capacity: 330 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 61.6:

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

Emission Unit: 1-MBMWF
Process: ST3 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. 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, 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: AXBR2 - Combustion

Emission Source/Control: 002BH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 02CIS - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 02SDA - Control
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 2SNCR - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: 02MWF - Incinerator
Design Capacity: 330 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

**Condition 62: Compliance Certification
Effective for entire length of Permit**

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

Cb

Item 62.1:

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

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007440-43-9 CADMIUM

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet an emission limit for cadmium not to exceed 35 micrograms per dry standard cubic meter, corrected to 7 percent oxygen. Compliance will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable.



Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 35 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref Test Method

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 63: Compliance Certification
Effective for entire length of Permit

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

Item 63.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF	Emission Point: 00003



Process: MS3	Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for mercury not to exceed 50 micrograms per dry standard cubic meter, corrected to 7 percent oxygen or, an 85 percent reduction by weight of the potential mercury emission concentration. Compliance with the emission concentration limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

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

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 64: Compliance Certification
Effective for entire length of Permit

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

Item 64.1:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for mercury not to exceed 50 micrograms per dry standard cubic meter, corrected to 7 percent oxygen or, an 85 percent reduction by weight of the potential mercury emission concentration. Compliance with the latter (percent reduction) limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

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

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 65: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.33b(a)(4), NSPS Subpart Cb

Item 65.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 000BH
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00CIS
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00MWF
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00SDA
Emission Unit: 1-MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 0SNCR
Emission Unit: 1-MBMWF	Emission Point: 00002



Process: MS3 Emission Source: 02MWF

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 02SDA

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

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

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit which does not employ an electrostatic precipitator for emission controls is required to meet an emission concentration limit for dioxin/furan not to exceed 30 nanograms per dry standard cubic meter (total mass), corrected to 7 percent oxygen. Compliance with the limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

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

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 67: Compliance Certification
Effective for entire length of Permit

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

Item 67.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

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

Item 67.2:

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.



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

Monitoring Description:

Each affected MWC unit will be required to operate at a temperature not to exceed 17 degrees Centigrade above the maximum demonstrated particulate matter control device temperature, as measured at the particulate matter control device inlet, during four consecutive hours (4-hour block arithmetic average) determined at the most recent dioxin/furan performance test demonstrating compliance with the applicable dioxin/furan limit, except as follows:

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

(2) The particulate matter control device temperature limits may be waived in writing 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. The temperature limits continue to apply, and remain enforceable, until and unless the Department grants the waiver.

Parameter Monitored: TEMPERATURE ABOVE CONTROL DEVICE TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 70: Operator Training
Effective for entire length of Permit

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

Item 70.1:

This Condition applies to:

Emission Unit: 1MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS



Emission Unit: 1MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 00SDA
Emission Unit: 1MBMWF	Emission Point: 00001
Process: MS1	Emission Source: 0SNCR
Emission Unit: 1MBMWF	Emission Point: 00002
Process: MS2	Emission Source: 001BH
Emission Unit: 1MBMWF	Emission Point: 00002
Process: MS2	Emission Source: 01CIS
Emission Unit: 1MBMWF	Emission Point: 00002
Process: MS2	Emission Source: 01MWF
Emission Unit: 1MBMWF	Emission Point: 00002
Process: MS2	Emission Source: 01SDA
Emission Unit: 1MBMWF	Emission Point: 00002
Process: MS2	Emission Source: 1SNCR
Emission Unit: 1MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 002BH
Emission Unit: 1MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02CIS
Emission Unit: 1MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02MWF
Emission Unit: 1MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 02SDA
Emission Unit: 1MBMWF	Emission Point: 00003
Process: MS3	Emission Source: 2SNCR

Item 70.1:

This Condition applies to Emission Unit: 1-MBMWF Emission Point: 00001
 Process: MS1 Emission Source:
 00MWF

Item 70.2.3:

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 prior to the date they assume responsibilities that affect operation of the municipal waste combustor unit. 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.



Process: MS3

Emission Source: 2SNCR

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If both the certified chief facility operator and certified shift supervisor are unavailable, a provisionally certified control room operator on site at the municipal waste combustion unit may fulfill the certified operator requirement. Depending on the length of time that a certified chief facility operator and certified shift supervisor are away, the owner or operator of the affected facility must meet one of three criteria:

(1) When the certified chief facility operator and certified shift supervisor are both off site for 12 hours or less, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor.

(2) When the certified chief facility operator and certified shift supervisor are off site for more than 12 hours, but for two weeks or less, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor without notice to, or approval by, the Department. However, the owner or operator of the affected facility must record the period when the certified chief facility operator and certified shift supervisor are off site and include that information in the annual report as specified under §60.59b(g)(5).

(3) When the certified chief facility operator and certified shift supervisor are off site for more than two weeks, and no other certified operator is on site, the provisionally certified control room operator may perform the duties of the certified chief facility operator or certified shift supervisor without approval by the Department. However, the owner or operator of the affected facility must take two actions:

(a) Notify the Department in writing. In the notice, state what caused the absence and what actions are being taken by the owner or operator of the facility to ensure that a certified chief facility operator or certified shift supervisor is on site as expeditiously as practicable.



(b) Submit a status report and corrective action summary to the Department every four weeks following the initial notification. If the Department provides notice that the status report or corrective action summary is disapproved, the municipal waste combustion unit may continue operation for 90 days, but then must cease operation. If corrective actions are taken in the 90-day period such that the Department withdraws the disapproval, municipal waste combustion unit operation may continue.

A provisionally certified operator who is newly promoted

or recently transferred to a shift supervisor position or a chief facility operator position at the municipal waste combustion unit may perform the duties of the certified chief facility operator or certified shift supervisor without notice to, or approval by, the Department for up to six months before taking the ASME QRO certification exam.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

**Condition 72: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement:ECL 19-0301

Item 72.1:

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

CAS No: 000050-00-0

Name: FORMALDEHYDE

CAS No: 000630-08-0



Name: CARBON MONOXIDE

CAS No: 001336-36-3

Name: POLYCHLORINATED BIPHENYL

CAS No: 001746-01-6

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

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

CAS No: 007440-38-2

Name: ARSENIC

CAS No: 007440-41-7

Name: BERYLLIUM

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 007440-50-8

Name: COPPER

CAS No: 007440-62-2

Name: VANADIUM

CAS No: 007440-66-6

Name: ZINC

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 007664-93-9

Name: SULFURIC ACID



CAS No: 016984-48-8

Name: FLUORIDE

CAS No: 018540-29-9

Name: CHROMIUM(VI)

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

CAS No: 130498-29-2

Name: POLYCYCLIC AROMATIC HYDROCARBONS

**Condition 73: Unavoidable noncompliance and violations
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 201-1.4

Item 73.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30



days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

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

**Condition 74: Air pollution prohibited
Effective for entire length of Permit**

Applicable State Requirement:6NYCRR 211.2

Item 74.1:

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 75: Compliance Demonstration
Effective for entire length of Permit**

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

Item 75.1:

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

Emission Unit: 1-MBMWf Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWf Emission Point: 00001
Process: MS1 Emission Source: 00CIS



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 001746-01-6	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 75.2:

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 for each incinerator. 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 76: Compliance Demonstration
Effective for entire length of Permit

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

Item 76.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS



Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 02MWF

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 02SDA

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 76.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PCB emissions shall not exceed 0.053 micrograms/dscm corrected to 7% O2 for each incinerator. Compliance stack testing is required at a minimum of once every five years, 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 PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 77: Compliance Demonstration
 Effective for entire length of Permit**

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

Item 77.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF

Emission Unit: 1-MBMWF Emission Point: 00001



Process: MS1	Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

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

Item 77.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PAH emissions shall not exceed 1.0 microgram/dscm corrected to 7% O₂ for each incinerator. Compliance stack testing is required at a minimum of once every five years, 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: 40 CFR 60 App A RM23



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 78: Compliance Demonstration
Effective for entire length of Permit**

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

Item 78.1:

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

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF



Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 02SDA

Emission Unit: 1-MBMWF Emission Point: 00003
Process: MS3 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007440-02-0 NICKEL METAL AND INSOLUBLE
COMPOUNDS

Item 78.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Nickel emissions shall not exceed 0.004 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, unless more frequent testing is required by the Department.

Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS

Upper Permit Limit: 0.004 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 79: Compliance Demonstration
Effective for entire length of Permit**

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

Item 79.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 000BH

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00CIS

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00MWF

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 00SDA

Emission Unit: 1-MBMWF Emission Point: 00001
Process: MS1 Emission Source: 0SNCR



Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007439-96-5 MANGANESE

Item 79.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Manganese emissions shall not exceed 0.023 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, unless more frequent testing is required by the Department.

Parameter Monitored: MANGANESE

Upper Permit Limit: 0.023 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 80: Compliance Demonstration
Effective for entire length of Permit

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

Item 80.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR



Regulated Contaminant(s):
CAS No: 007440-50-8 COPPER

Item 80.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Copper emissions shall not exceed 0.004 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, unless more frequent testing is required by the Department.

Parameter Monitored: COPPER

Upper Permit Limit: 0.004 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 81: Compliance Demonstration
Effective for entire length of Permit**

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

Item 81.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS



Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 000050-00-0 FORMALDEHYDE

Item 81.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Formaldehyde emissions shall not exceed 0.004 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, 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 METHOD 316

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 82: Compliance Demonstration
Effective for entire length of Permit**

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

Item 82.1:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Chromium emissions shall not exceed 0.00193 lbs/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, 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 PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 83: Compliance Demonstration
Effective for entire length of Permit**

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

Item 83.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA



Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 018540-29-9 CHROMIUM(VI)

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Chromium (VI) emissions shall not exceed 0.0003 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, unless more frequent testing is required by the Department.

Parameter Monitored: CHROMIUM(VI)

Upper Permit Limit: 0.0003 pounds per hour

Reference Test Method: SW846-0013 OR EQUIVALENT APPROVED BY DEC

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 84: Compliance Demonstration
Effective for entire length of Permit**

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

Item 84.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF	Emission Point: 00001



Process: MS1	Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

Item 84.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions shall not exceed 50 ppmvd corrected to 7% O₂ for each incinerator. Compliance is demonstrated based on an annual stack test (average of 3 one hour runs per unit).



Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 85.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions shall not exceed 4.88 lb/hr for each incinerator. Compliance is demonstrated on an annual stack test.

Parameter Monitored: AMMONIA

Upper Permit Limit: 4.88 pounds per hour

Reference Test Method: 40 CFR 60 App A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 86: Compliance Demonstration
Effective for entire length of Permit**

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

Item 86.1:

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

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA



Emission Unit: 1-MBMWF
Process: MS3

Emission Point: 00003
Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007440-66-6 ZINC

Item 86.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Zinc emissions shall not exceed 0.142 lb/hr per unit, which is the emission rate used in the facility's Health Risk Assessment. In addition, if zinc emissions exceed 0.0188 lb/hr for any unit, then the facility must submit the following information with the corresponding stack test report:

1. Assessment of the performance of the particulate control equipment and demonstration whether there has been any degradation of the system based on evaluation of current and historical test results for particulates and PM-10.
2. Discussion of the characteristics of the waste streams being processed at the facility during the stack test period. This will include a statement with regard to any known changes in the waste stream that may result in a higher zinc content in the waste.

Stack testing for zinc emissions on each unit shall be done annually for the next four years (2009-2012). After completion of these tests, a revised permit limit for zinc emission will be calculated based on the 99th percentile of all zinc stack test data collected at the facility. In no case shall this limit be greater than the limit used in the facility Health Risk Assessment identified above.

Parameter Monitored: ZINC

Upper Permit Limit: 0.142 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 87: Compliance Demonstration
Effective for entire length of Permit**



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

Item 87.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):



CAS No: 007440-62-2 VANADIUM

Item 87.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Vanadium emissions shall not exceed 0.0006 lb/hr for each incinerator. Compliance stack testing is required at a minimum of once every five years, unless more frequent testing is required by the Department.

Parameter Monitored: VANADIUM

Upper Permit Limit: 0.0006 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 88: Compliance Demonstration
Effective for entire length of Permit**

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

Item 88.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF



Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Item 88.2:

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 for each incinerator. This standard applies at all times when combusting MSW 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.

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

**Condition 89: Compliance Demonstration
Effective for entire length of Permit**

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

Item 89.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF	Emission Point: 00001
------------------------	-----------------------



Process: MS1	Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Item 89.2:

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 for each incinerator. This standard



applies at all times when combusting MSW 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)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 3 calendar month(s).

Condition 90: Compliance Demonstration
Effective for entire length of Permit

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

Item 90.1:

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

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH



Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Item 90.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Combustion zone temperature for each incinerator 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.
Subsequent reports are due every 3 calendar month(s).

**Condition 91: Compliance Demonstration
Effective for entire length of Permit**

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

Item 91.1:

The Compliance Demonstration activity will be performed for the Facility.

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).



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

**Condition 92: Startup, shutdown and upset conditions
Effective for entire length of Permit**

Applicable State Requirement:6NYCRR 219-2.5

Item 92.1:

This Condition applies to Emission Unit: 1-MBMWF

Item 92.2:

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 93: Continuous Emission Monitoring - Fabric Filters
Effective for entire length of Permit**

Applicable State Requirement:6NYCRR 219-2.7

Item 93.1:

This Condition applies to Emission Unit: 1-MBMWF

Item 93.2:

The owner and/or operator shall report, tabulate and summarize emission and operating parameters each calendar quarter for the preceding 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;

(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 93.3:

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 93.4:

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 93.5:

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 93.6:

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 94: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 219-7.2

Item 94.1:

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

Emission Unit: 1-MBMWF

Emission Point: 00001



Process: MS1	Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
 CAS No: 007439-97-6 MERCURY

Item 94.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the



less stringent of this limit (concentration), or the 85 percent reduction by weight Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). 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.

Parameter Monitored: MERCURY

Upper Permit Limit: 28 micrograms 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: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 95: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 219-7.2

Item 95.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00CIS
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00MWF
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWF Process: MS1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 001BH
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01CIS
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01MWF



Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 01SDA
Emission Unit: 1-MBMWF Process: MS2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 002BH
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02CIS
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02MWF
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 02SDA
Emission Unit: 1-MBMWF Process: MS3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 95.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (percent reduction), or the concentration Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). 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.

Parameter Monitored: MERCURY

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

