



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 1-4726-00790/00004  
Mod 0 Effective Date: 12/22/2005 Expiration Date: 12/21/2010

Mod 1 Effective Date: Expiration Date:

Permit Issued To: TOWN OF HUNTINGTON  
100 MAIN ST  
HUNTINGTON, NY 11743

Contact: KENNETH E ARMELLINO  
COVANTA ENERGY  
40 LANE RD  
CALDWELL, NJ 07007  
(973) 882-4129

Facility: HUNTINGTON RESOURCE RECOVERY FACILITY  
99 TOWN LINE RD  
E NORTHPORT, NY 11731

Contact: STEPHAN TIARKS  
COVANTA HUNTINGTON, LP  
99 TOWN LINE ROAD  
EAST NORTHPORT, NY 11731-3929  
(631) 754-1100

**Description:**

The Huntington Resource Recovery Facility (HRRF) is a waste to energy facility located on a 15 acre site in east Northport, New York. Refuse is delivered to the facility in standard packer trucks and transfer vehicles for combustion in three nominal 250 tpd municipal waste combustors. Municipal waste is reduced approximately 90% by volume in the combustion process. The heat energy generated in the combustion process is utilized to produce electricity. The HRRF is equipped with a 27.5 megawatt turbine generator. Air pollution control equipment at the HRRF includes dry scrubbers for acid gas control, fabric filters for particulate removal, activated carbon injection for control mercury, and a selective non-catalytic reduction system for control of nitrogen oxides. The HRRF employs a continuous emissions monitoring system (CEMS) that provides continuous feed back on the effectiveness of the air pollution control (APC) equipment. The major sources of emissions at the HRRF are the three nominal 250 tpd municipal waste combustors. All three combustion trains are equipped with separate flues that are vented through a common stack. All other activities at the site are categorized as exempt, trivial or insignificant activities as defined in 6 NYCRR part 201-3.2, 201.3.3 and 201-6.3(d)(7) respectively.

The base operating scenario for the HRRF includes the combustion of solid waste in three 250 tpd units as allowed in the HRRF's solid waste permit contained in the facility's certificate to operate and as otherwise approved by NYSDEC. The facility is authorized to receive municipal solid waste which includes residential, commercial and governmental and/or institutional waste, the combustible portion of construction and demolition (C&D) debris, light industrial waste, shredded tires, and other non-hazardous industrial waste streams as approved by NYSDEC on a case by case basis. The HRRF uses propane gas as



an auxiliary fuel only in its base operating scenario. Propane gas is used during startup to warm the unit up to the minimum required combustion zone temperature and residence time before introducing refuse into the furnace and during the transition period before the fires are fully sustained by the refuse. Propane gas is used as an auxiliary fuel during shutdown in order to maintain minimum combustion zone temperature and residence time requirements until refuse 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.

This department initiated modification is to revise emission limits, operating practices and performance testing and monitoring due to changes made to 40 CFR Part 60 Subpart Cb on May 10, 2006. The emission limits were revised for cadmium, lead, mercury, and particulate matter. Other major revisions include changes to operator stand-in provisions and continuous emissions monitoring data availability. These emission limits were revised based on year 2000 to 2005 test data from more than a dozen municipal waste combustor units.

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

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

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_



### Notification of Other State Permittee Obligations

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the 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
  - Applications for Permit Renewals and Modifications
  - Permit modifications, suspensions or revocations by the Department
  - Permit Modifications, Suspensions and Revocations by the Department

#### Facility Level

- Submission of Applications for Permit Modification or Renewal-REGION 1 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 1 HEADQUARTERS



**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

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

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

**Condition 1-1: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6NYCRR 621.11**

**Item 1-1.1:**

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

**Item 1-1.2:**

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

**Item 1-1.3:**

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



transfer of ownership.

**Condition 3: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**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 1-2: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-2.1:**

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

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

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

**Item 4.1:**

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;



e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 1 HEADQUARTERS**

**Applicable State Requirement: 6NYCRR 621.5(a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 1 Headquarters  
Division of Environmental Permits  
SUNY Campus, Loop Road, Building 40  
Stony Brook, NY 11790-2356  
(631) 444-0365

**Condition 1-3: Submission of application for permit modification or renewal-REGION 1 HEADQUARTERS**

**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 1-3.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 1 Headquarters  
Division of Environmental Permits  
Stony Brook University  
50 Circle Road  
Stony Brook, NY 11790-3409  
(631) 444-0365



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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: TOWN OF HUNTINGTON  
100 MAIN ST  
HUNTINGTON, NY 11743

Facility: HUNTINGTON RESOURCE RECOVERY FACILITY  
99 TOWN LINE RD  
E NORTHPORT, NY 11731

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
  - Applications for Permit Renewals and Modifications
  - Permit modifications, suspensions or revocations by the Department
  - Permit Modifications, Suspensions and Revocations by the Department

#### Facility Level

- Submission of Applications for Permit Modification or Renewal-REGION 1 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 1 HEADQUARTERS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1-1 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-2 6NYCRR 200.7: Compliance Certification
- 24 6NYCRR 201-6: Emission Unit Definition
- 1-3 6NYCRR 201-7: Facility Permissible Emissions
- \*1-4 6NYCRR 201-7: Capping Monitoring Condition
- \*1-5 6NYCRR 201-7: Capping Monitoring Condition
- 1-6 6NYCRR 231-2.5: Compliance Certification
- 1-7 40CFR 52.21, Subpart A: Compliance Certification
- 1-8 40CFR 52.21, Subpart A: Compliance Certification
- 1-9 40CFR 52.21, Subpart A: Compliance Certification
- 1-10 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-11 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-12 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-13 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-14 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-15 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-16 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-17 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-18 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-19 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-20 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-21 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-22 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-23 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-24 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-25 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-26 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-27 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-28 40CFR 52.21(j)(2), Subpart A: Compliance Certification



- 1-29 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-30 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-31 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 26 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 27 40CFR 60.35b, NSPS Subpart Cb: Operator Certification
- 28 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 29 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification
- 30 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 1-32 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 31 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.
- 1-33 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 1-34 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 32 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 1-35 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 33 40CFR 64: Compliance Certification
- 1-36 40CFR 64: Compliance Certification

**Emission Unit Level**

- 34 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 35 6NYCRR 201-6: Process Definition By Emission Unit

**EU=1-MBMWC**

- 36 40CFR 52.21, Subpart A: Compliance Certification
- 37 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 38 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 39 40CFR 60.33b(a)(2)(iii), NSPS Subpart Cb: Compliance Certification
- 40 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 41 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 42 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb: Compliance Certification
- 43 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb: Compliance Certification
- 44 40CFR 60.33b(b)(2)(i), NSPS Subpart Cb: Compliance Certification
- 45 40CFR 60.33b(b)(2)(i), NSPS Subpart Cb: Compliance Certification
- 46 40CFR 60.33b(c)(1)(ii), NSPS Subpart Cb: Compliance Certification
- 47 40CFR 60.34b, NSPS Subpart Cb: MWC Unit Load Level
- 48 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 49 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 50 40CFR 60.38b, NSPS Subpart Cb: Continuous Monitoring
- 51 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 52 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification

**EU=1-MBMWC,Proc=MSW**

- 53 6NYCRR 231-2.5: Compliance Certification
- 54 40CFR 52.21, Subpart A: Compliance Certification
- 55 40CFR 52.21, Subpart A: Compliance Certification
- 56 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 57 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 58 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 59 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 60 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 61 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 62 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 63 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 64 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 65 40CFR 52.21(j)(2), Subpart A: Compliance Certification



- 66 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 67 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 68 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 69 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 70 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 71 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 72 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 73 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 74 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 75 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 76 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 77 40CFR 52.21(j)(2), Subpart A: Compliance Certification

**EU=1-MBMWC,Proc=STS,ES=AXBRN**

- 78 6NYCRR 200.7: Compliance Certification
- 79 40CFR 60, NSPS Subpart Db: Compliance Certification
- 1-37 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 1-38 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 1-39 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 1-40 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 1-41 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 1-42 40CFR 60.33b(a)(4), NSPS Subpart Cb: Compliance Certification
- 1-43 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 1-44 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 1-45 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 1-46 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 1-47 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 1-48 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 1-49 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

**EU=1-MBMWC,EP=00001,Proc=MW1,ES=00MWC**

- 1-50 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 1-51 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 1-52 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

**EU=1-MBMWC,EP=00001,Proc=MW1,ES=00MWC**

- 1-53 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 80 ECL 19-0301: Contaminant List
- 82 6NYCRR 201-7: Facility Permissible Emissions
- 84 6NYCRR 219-7.2: Compliance Demonstration
- 85 6NYCRR 219-7.2: Compliance Demonstration
- 1-54 6NYCRR 617.11(d): Compliance Demonstration
- 1-55 6NYCRR 617.11(d): Compliance Demonstration
- 1-56 6NYCRR 617.11(d): Compliance Demonstration
- 1-57 6NYCRR 617.11(d): Compliance Demonstration
- 1-58 6NYCRR 617.11(d): Compliance Demonstration
- 1-59 6NYCRR 617.11(d): Compliance Demonstration
- 1-60 6NYCRR 617.11(d): Compliance Demonstration
- 1-61 6NYCRR 617.11(d): Compliance Demonstration
- 1-62 6NYCRR 617.11(d): Compliance Demonstration



- 1-63 6NYCRR 617.11(d): Compliance Demonstration
- 1-64 6NYCRR 617.11(d): Compliance Demonstration
- 1-65 6NYCRR 617.11(d): Compliance Demonstration
- 1-66 6NYCRR 617.11(d): Compliance Demonstration
- 1-67 6NYCRR 617.11(d): Compliance Demonstration

**Emission Unit Level**

**EU=1-MBMWC**

- \*86 6NYCRR 201-7: Capping Monitoring Condition
- \*87 6NYCRR 201-7: Capping Monitoring Condition
- 88 6NYCRR 617.11(d): Compliance Demonstration

**EU=1-MBMWC,Proc=MSW**

- 89 6NYCRR 617.11(d): Compliance Demonstration
- 90 6NYCRR 617.11(d): Compliance Demonstration
- 91 6NYCRR 617.11(d): Compliance Demonstration
- 92 6NYCRR 617.11(d): Compliance Demonstration
- 93 6NYCRR 617.11(d): Compliance Demonstration
- 94 6NYCRR 617.11(d): Compliance Demonstration
- 95 6NYCRR 617.11(d): Compliance Demonstration
- 96 6NYCRR 617.11(d): Compliance Demonstration
- 97 6NYCRR 617.11(d): Compliance Demonstration
- 98 6NYCRR 617.11(d): Compliance Demonstration
- 99 6NYCRR 617.11(d): Compliance Demonstration
- 100 6NYCRR 617.11(d): Compliance Demonstration
- 101 6NYCRR 617.11(d): Compliance Demonstration
- 1-68 6NYCRR 219-7.2: Compliance Demonstration
- 1-69 6NYCRR 219-7.2: Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



**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 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 1-1: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 201-1.8**

**Replaces Condition(s) 12**

**Item 1-1.1:**

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 12: Prohibition of Reintroduction of Collected Contaminants to the air**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement:6NYCRR 201-1.8**

**Replaced by Condition(s) 1-1**

**Item 12.1:**

No person shall 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.

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

**Condition 1-2: Compliance Certification**



**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Replaces Condition(s) 78**

**Item 1-2.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: ST3	Emission Point: 00003 Emission Source: 2AXBR

**Item 1-2.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

As alternative to natural gas, the facility is allowed to combust propane gas in the auxiliary burners in each furnace in the total amount not to exceed the limit shown in this condition. The usage of the fuel shall be metered with record kept and reported in the annual report to the department.

The facility is limited to either 109,500,000 cubic feet per year of natural gas or the amount of propane gas shown below. Combining to the two is not allowed.

Parameter Monitored: PROPANE  
Upper Permit Limit: 1203627 gallons per year  
Monitoring Frequency: CONTINUOUS  
Averaging Method: CALENDAR YEAR AVERAGE  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 12 calendar month(s).

**Condition 24: Emission Unit Definition**



Effective between the dates of 12/22/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

**Item 24.1(From Mod 1):**

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

Emission Unit: 1-MBMWC

Emission Unit Description:

Three municipal waste combustors with a nominal design capacity of 250 ton per day at 6000 Btu/lb. The combustors are a mass burn waterwall design that utilizes a martin grate system. Each combustor exhausts through a separate flue in a common stack. Air pollution control equipment for each independent train includes dry scrubbers for acid gas control, fabric filter for particulate removal, selective non-catalytic reduction (SNCR) for control of nitrogen oxides, activated carbon injection for control of mercury and good combustion. Each unit is also equipped with a continuous emission monitoring system to provide feedback on the effectiveness of the air pollution control (APC) equipment.

The base operating scenario for the Huntington Resource Recovery Facility (HRRF) includes the combustion of solid waste in three 250 tpd units as allowed in the HRRF's solid waste permit contained in the facility's Certificate to Operate and as otherwise approved by NYSDEC. The facility is authorized to receive municipal solid waste which includes residential, commercial and governmental and/or institutional waste, the combustible portion of construction and demolition (C&D) debris, light industrial waste, shredded tires, and other non-hazardous industrial waste streams as approved by NYSDEC on a case by case basis. The HRRF uses propane gas as an auxiliary fuel only in its base operating scenario. Propane gas is used during startup to warm the unit up to the minimum required combustion zone temperature and residence time before introducing refuse into the furnace and during the transition period before the fires are fully sustained by the refuse. Propane gas is used as an auxiliary fuel during shutdown in order to maintain minimum combustion zone temperature and residence time requirements until refuse 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.

HRRF is subject to 40 CFR 60 Subpart Cb and will follow the procedures for startup, shutdown and malfunction relief, outlined in section 40 CFR 60.58b(a) of Subpart Eb, as referenced through 40 CFR 60.38b of Subpart Cb. The 40 CFR 60.58b(a) states that "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 (3) hours per occurrence." effective January 15, 2002, 40 CFR 60.58b(a) has been amended to increase the duration of the malfunction exemption period to 15 hours, applicable to the compliance of carbon monoxide emission only, if the malfunction is determined to be due to the loss of boiler water control level (e.g., boiler water tube failure) or a loss of combustion air fan (e.g., loss of combustion air fan, induced draft fan, combustion grate bar failure).

The standards regulated under this subpart, and, therefore, for which the regulation provides startup, shutdown and malfunction relief, are particulate matter, opacity, sulfur dioxide, hydrogen chloride, nitrogen oxide, carbon monoxide and baghouse inlet temperature. Furthermore, combustion index, as well as additional permit limits for the constituents listed above, is logically afforded the same relief, since combustion index is based on the carbon monoxide measurement and is addressing the same principal as the carbon monoxide permit limit, i.e., requiring a certain combustion efficiency. HRRF will follow the procedures for malfunction relief as outlined in the 40 CFR 60.58b(a) as discussed above and can seek relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4. In addition, the emergency defense provision of 6 NYCRR Part 201-1.5 also applies to HRRF.

The following descriptions/definitions will be utilized to identify the MWC operating modes:

**Warmup:** propane gas is typically the fuel used during the warmup period at HRRF. HRRF is in the warmup 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.

**Startup:** startup is initiated at the HRRF when a boiler's feed chute damper is opened and continuous burning of MSW if commenced.

**Continuous Burning:** 40 CFR 60 Subpart Cb defines continuous burning as "the continuous, semi-continuous, or batch feeding of MSW 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 MSW 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 feeding of MSW is ceased and the shutdown period ends when all refuse is burned off the grates. The shutdown period at HRRF commences when the subject unit's feed chute damper is shut (this is the time at which continuous feeding is ceased). Shutdown of a unit is complete when all of the municipal 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 and unavoidable failure of air pollution control equipment or process equipment or of a process to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions." malfunction is similarly defined in 6 NYCRR Part 201-2 as "any sudden and unavoidable failure of an air cleaning device or air contamination source to operate in compliance with all applicable parts of this chapter [6 NYCRR Part 201] and shall not include failures that are caused entirely or partially by poor maintenance, careless operation, or other preventable condition."

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

Building(s): 1

**Condition 1-3: Facility Permissible Emissions  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6 NYCRR 201-7**

**Item 1-3.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:



CAS No: 0NY210-00-0 (From Mod 1) PTE: 1,236,000 pounds per year  
Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0 (From Mod 1) PTE: 168,000 pounds per year  
Name: VOC

**Condition 1-4: Capping Monitoring Condition  
Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 1-4.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

**Item 1-4.2:**

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

**Item 1-4.3:**

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

**Item 1-4.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 1-4.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 1-4.6:**

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

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 10MWC



Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Emission Unit: 1-MBMWC Process: ST3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: ST3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: ST3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: ST3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: ST3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: ST3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 0NY210-00-0	OXIDES OF NITROGEN

**Item 1-4.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Annual NOx emissions from each furnace flue shall not exceed the limit shown in this condition. This annual limitation shall be derived from the hourly mass emissions rate computed by the facility continuous emission monitoring system (CEMs), accounting the actual on-line hours for each respective furnace.

Records for demonstration of compliance with the NOx emission limit shall be maintained on site for five years. These records shall include i) mass emissions totaled over each 24-hour daily period (the total of hourly averages 12:00 midnight to the following midnight), and ii) the total mass emissions over a 365 day period. Any exceedances of the allowable annual NOx emission limitation must be reported in writing to the NYSDEC regional office within 10 working days of the exceedance.

Manufacturer Name/Model Number: Thermo Environmental 10S

Upper Permit Limit: 206 tons per year

Reference Test Method: 40 CFR 60 App B & F

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 1-5: Capping Monitoring Condition  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 1-5.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

**Item 1-5.2:**

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

**Item 1-5.3:**

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

**Item 1-5.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions



cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 1-5.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 1-5.6:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: ST1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC	Emission Point: 00002



Process: MW2	Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: ST2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Emission Unit: 1-MBMWC Process: ST3	Emission Point: 00003 Emission Source: 200BH



Emission Unit: 1-MBMWC  
Process: ST3

Emission Point: 00003  
Emission Source: 20ACI

Emission Unit: 1-MBMWC  
Process: ST3

Emission Point: 00003  
Emission Source: 20MWC

Emission Unit: 1-MBMWC  
Process: ST3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: ST3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: ST3

Emission Point: 00003  
Emission Source: 2SNCR

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

**Item 1-5.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Annual hydrocarbon (non-methane) as ethane emissions from each furnace flue shall not exceed the limit shown in this condition. The annual limitation shall be calculated from the stack emission tests conducted during the calendar year using the EPA method shown, accounting for the actual on-line hours for each respective furnace.

Records for demonstration of compliance with the voc emission limit shall be maintained on site for five years.

Any exceedances of the allowable annual voc emission limitation must be reported in writing to the NYSDEC regional office within 10 working days of the exceedance

Upper Permit Limit: 28 tons per year  
Reference Test Method: 40 CFR 60 App A RM25A  
Monitoring Frequency: ANNUALLY  
Averaging Method: ANNUAL TOTAL  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-6: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 231-2.5**

**Replaces Condition(s) 53**

**Item 1-6.1:**

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



Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrocarbon (non-methane) as ethane emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 25A or equivalent method acceptable to the Commissioner.

Parameter Monitored: VOC

Upper Permit Limit: 6.4 pounds per hour

Reference Test Method: 40 CFR 60 App A RM25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-7: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Replaces Condition(s) 54**

**Item 1-7.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 0SNCR

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: AXBRN

Emission Unit: 1-MBMWC

Emission Point: 00002



Process: MW2	Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Stack Testing Frequency:

A. Manual stack testing shall be conducted for the following contaminants:

1. Total Particulate Matter
2. PM-10
3. Sulfur Dioxide
4. Oxides of Nitrogen
5. Carbon Monoxide
6. Carbon Dioxide
7. Hydrogen Chloride
8. 2,3,7,8-Tetrachlorodibenzo-P-Dioxin
9. 2,3,7,8-Tetrachlorodibenzofuran



- 9. Lead
- 10. Cadmium
- 11. Mercury
- 12. Polychlorinated Biphenyl
- 13. Total Polycyclic Aromatic Hydrocarbons
- 14. Formaldehyde
- 15. Hydrogen Fluoride
- 16. Trace Metals (Arsenic, Beryllium, Chromium, Manganese, Nickel, Vanadium and Zinc)
- 17. Ammonia

Testing shall be conducted at intervals specified by the department in writing and/or in accordance with the 40 CFR 60, Subpart Cb requirements. All testing shall be conducted in accordance with a test protocol approved by NYSDEC.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-8: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Replaces Condition(s) 36**

**Item 1-8.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC	Emission Point: 00002



Process: MW2	Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-8.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Bypass operation and refuse feed restrictions:

The air pollution control device treating the flue gas from a furnace shall not be operated in the flue gas bypass mode at any time while combustible waste is contained in that furnace. Flue gas bypass mode of the air pollution control devices treating the flue gas from a furnace is permitted at any time during which only auxiliary fuel is being combusted in that furnace.

Additionally, refuse feed into the affected furnace shall be discontinued within 30 minutes of the time of failure of any air pollution control device treating the flue gas from that furnace.



The permittee shall demonstrate compliance through record keeping that the waste feed damper is at closed position while operating in the flue gas bypass mode and such record shall be maintained at the site for NYSDEC review.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-9: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Replaces Condition(s) 55**

**Item 1-9.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-9.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall not burn more than 350,000 tons per year of authorized wastes. The total throughput for each month and the calendar year-to-date total of waste combusted must be reported to the Department on a monthly basis. This federally enforceable throughput limit is based on the Permit Modification requests dated April 2000, indicating that no increases to any other permit conditions are being sought, including all emission limitations. Compliance shall be based as follows:

Charging Rate:

The facility shall not charge (process) more than 350,000 tons per 12-month rolling average and shall report to the Department, on a monthly basis, the facility's average annual throughput using the following formula:

$$\text{Tons Processed/Week} = \text{Tons Received/Week} \pm \text{Change in Existing Inventory/Week} - \text{Bulkies Removed from the Floor/Week}$$

where,

$$\text{Tons Received/Week} = \text{Tons of incoming municipal waste received at the tipping floor for that week.}$$

$$\pm \text{Change in the Existing Inventory/Week} = \text{Change in the existing waste inventory determined from the prior week's calculation and either added to (if the inventory went down) or subtracted from (if the inventory went up) the total deliveries recorded by the scale system for the week.}$$



Bulkies Removed from the Floor/Week = Any bulky or unacceptable waste that is removed from the incoming waste on the tipping floor during that week.

To demonstrate compliance with the 12-month rolling average, the facility shall calculate the existing inventory, the tons of bulkies removed and the number of tons processed at the end of each month.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: CALENDAR YEAR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-10: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 67**

**Item 1-10.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

**Item 1-10.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCl emissions from each flue shall not exceed the limit shown in this condition, expressed as an 8-hour average, as determined by CEMs. In absence of CEMs, compliance shall be based on annual stack testing using 40 CFR 60, Appendix A, Method 26 or equivalent method acceptable to the Commissioner.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 10.3 pounds per hour

Reference Test Method: 40 CFR 60 App

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-11: Compliance Certification  
Effective for entire length of Permit**



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

**Replaces Condition(s) 73**

**Item 1-11.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

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

**Item 1-11.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrocarbon (non-methane) as ethane emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 25A or equivalent method acceptable to the Commissioner.

Parameter Monitored: VOC

Upper Permit Limit: 6.4 pounds per hour

Reference Test Method: 40 CFR 60 App A RM25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-12: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 62**

**Item 1-12.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

**Item 1-12.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCl emissions from each flue shall not exceed 10 percent by weight of the uncontrolled HCl emissions (90 percent reduction), as determined by continuous monitoring, based



on a running 8-hour average, except for 12 periods per year per boiler for scrubber atomizer wheel maintenance, during which the averaging time will be on a running 24-hour basis.

The permittee shall meet less stringent of this limit or the concentration limit of 50 ppm<sub>dv</sub> (corrected to 7% O<sub>2</sub>) as specified in this permit. The permittee shall also comply with the requirements 40 CFR 60, Subpart Cb.

HCl monitoring to be conducted at the inlet and outlet of acid gas control equipment as per a protocol submitted by permittee and approved by NYSDEC. HCl continuous monitoring may be waived upon satisfactory demonstration by the permittee that HCl cannot be reliably monitored at the facility and provided that an alternative monitoring procedure acceptable to NYSDEC is implemented. If HCl monitors are not installed initially, NYSDEC may require installation in the future.

Without continuous monitoring, compliance shall be based on annual stack testing using 40 CFR 60, Appendix A, Method 26.

Parameter Monitored: HYDROGEN CHLORIDE  
Lower Permit Limit: 90 percent reduction by weight  
Reference Test Method: See Description  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-13: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 72**

**Item 1-13.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007440-41-7	BERYLLIUM

**Item 1-13.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on stack



testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 29.

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 0.0002 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-14: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 61**

**Item 1-14.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 0SNCR

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: AXBRN

Emission Unit: 1-MBMWC  
Process: MW2

Emission Point: 00002  
Emission Source: 100BH

Emission Unit: 1-MBMWC  
Process: MW2

Emission Point: 00002  
Emission Source: 10ACI

Emission Unit: 1-MBMWC  
Process: MW2

Emission Point: 00002  
Emission Source: 10MWC

Emission Unit: 1-MBMWC  
Process: MW2

Emission Point: 00002  
Emission Source: 10SDA

Emission Unit: 1-MBMWC  
Process: MW2

Emission Point: 00002  
Emission Source: 1AXBR



Emission Unit: 1-MBMWC  
Process: MW2

Emission Point: 00002  
Emission Source: 1SNCR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 200BH

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20ACI

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20MWC

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

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

**Item 1-14.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on annual stack testing, using 40 CFR 60, Appendix A, Method 5.

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: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-15: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 56**

**Item 1-15.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR



Regulated Contaminant(s):  
CAS No: 007664-93-9 SULFURIC ACID

**Item 1-15.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Sulfuric acid mist emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 8 or equivalent method acceptable to the Commissioner.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 2.04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-16: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 70**

**Item 1-16.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

**Item 1-16.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 10 or equivalent method acceptable to the Commissioner.

Manufacturer Name/Model Number: Siemens Ultra - Mat 21P

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 15.9 pounds per hour

Reference Test Method: 40 CFR 60 App A RM10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-17: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 77**

**Item 1-17.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20ACI

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20MWC

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 1-17.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on annual stack testing using 40 CFR 60, Appendix A, Method 29. The permittee shall also comply with the requirements of 40 CFR 60, Subpart Cb and 6 NYCRR Part 219-7.

Parameter Monitored: MERCURY

Upper Permit Limit: 0.05 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-18: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 65**

**Item 1-18.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

**Item 1-18.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 6C or equivalent method acceptable to the Commissioner.

Manufacturer Name/Model Number: Western Research 721AT

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 32.6 pounds per hour

Reference Test Method: 40 CFR 60 App A RM6C

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-19: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 69**

**Item 1-19.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC	Emission Point: 00002



Process: MW2	Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-19.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Operating requirement per PSD permit to maintain temperature of the flue gas at the exit of the acid gas control device at or below the temperature indicated in this condition, as determined by continuous monitoring based on the averaging method shown. Except for 12 periods per year per boiler for scrubber atomizer wheel maintenance, during which the averaging time will be on a running 24-hour basis.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 320 degrees Fahrenheit

Reference Test Method: NYSDEC Acceptable

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-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 1-20: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 74**

**Item 1-20.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC	Emission Point: 00003



Process: MW3	Emission Source: 20MWC
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20SDA
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2AXBR
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2SNCR

**Item 1-20.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Combustion index (CI) as defined in 6 NYCRR Part 219-2.4 shall be maintained as a minimum the limit shown in this condition for each incinerator. Compliance shall be based on CEMs of CO and CO2.

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99.9 percent

Reference Test Method: 40 CFR 60 App B & B

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 1-21: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 57**

**Item 1-21.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 000BH
Emission Unit: 1-MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 00ACI
Emission Unit: 1-MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 00MWC
Emission Unit: 1-MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 00SDA



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. This limit is equivalent to 180 parts per million by volume (dry corrected to 12 % CO<sub>2</sub>).



Compliance shall be based on CEMs. CEMs shall be installed, maintained and operated in accordance with 40 CFR 60, Appendices B and F.

Manufacturer Name/Model Number: Thermo Environmental 10s  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 185 parts per million by volume  
(dry, corrected to 7% O2)  
Reference Test Method: 40 CFR 60 App  
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 1-22: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 63**

**Item 1-22.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-22.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Combustion index (CI) as defined in 6 NYCRR Part 219-2.4 shall be maintained as a minimum the limit shown in this condition for each incinerator. CI shall be determined from continuous measurements conducted at a location prior to any air pollution control equipment. Compliance shall be based on CEMs of CO and CO<sub>2</sub>.

Manufacturer Name/Model Number: As Per Plan  
Parameter Monitored: COMBUSTION EFFICIENCY  
Lower Permit Limit: 99.8 percent  
Reference Test Method: 40 CFR 60 App B & F  
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 1-23: Compliance Certification**  
**Effective for entire length of Permit**



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

**Replaces Condition(s) 59**

**Item 1-23.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-23.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO2 emissions from each flue shall not exceed 30 percent by weight of the uncontrolled SO2 emissions (70 percent reduction), as determined by continuous monitoring, based on a running 8-hour average, except for 12 periods per year per boiler for scrubber atomizer wheel maintenance, during which the averaging time will be on a running 24-hour basis. The permittee shall meet less stringent of this limit or the concentration limit of 90 ppmdv corrected to 7% O2. Compliance shall be based on CEMs. CEMs shall be installed, maintained and operated in accordance with 40 CFR 60, Appendices B and F.

The permittee shall also comply with the requirements of 40 CFR 60, Subpart Cb.

Manufacturer Name/Model Number: Western Research 721AT

Parameter Monitored: SULFUR DIOXIDE

Lower Permit Limit: 70 percent by weight

Reference Test Method: 40 CFR 60 App B & F

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 1-24: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 58**

**Item 1-24.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC

Emission Point: 00001



Process: MW1	Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR



Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on CEMs. CEMs shall be installed, maintained and operated in accordance with 40 CFR 60, Subpart Cb and Appendices B and F.

Manufacturer Name/Model Number: Thermo Environmental, Model 48

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 100 parts per million by volume

(dry, corrected to 7% O2)

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 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 1-25: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 75**

**Item 1-25.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 0SNCR

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: AXBRN



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of particulate less than 10 microns diameter (PM-10) from each furnace flue shall not exceed 0.010 gr/dscf corrected to 7% O<sub>2</sub>. Compliance shall be based on stack testing at intervals specified by NYSDEC, using 40 CFR 60, Appendix A, Method 5.

Parameter Monitored: PM-10

Upper Permit Limit: 0.010 grains per dry standard cubic foot (corrected to 7% O<sub>2</sub>)



Reference Test Method: EPA 201 or 201A & 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-26: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 64**

**Item 1-26.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC	Emission Point: 00003



Process: MW3	Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-26.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Temperature requirements -

The temperature of gases in the combustion zone of each incinerator must be maintained at a minimum temperature shown in this condition for a residence time of not less than 1 second, or a time and temperature shown to be equivalent to the limit shown in this condition at 1 second.

Auxiliary burners shall be operated as necessary to comply with this requirement and at the following times:

1. Furnace start up prior to introduction of municipal solid waste into furnace;
2. Furnace shutdown when municipal solid waste feed has been discontinued until all refuse is cleared from combustion chamber;
3. During upset operations or to maintain temperature and flue gas residence time defined in this condition.

Compliance shall be based on continuous measurement of temperature at surrogate location using methods specified in the plan submitted in April 1993 and June 1995 and approved by the department in February 2, 1996.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1800 degrees Fahrenheit

Reference Test Method: See Description

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 MINUTE CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)



Reports due 30 days after the reporting period.  
 Subsequent reports are due every 3 calendar month(s).

**Condition 1-27: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 71**

**Item 1-27.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC	Emission Point: 00003



Process: MW3	Emission Source: 20ACI
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20MWC
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20SDA
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2AXBR
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2SNCR
Regulated Contaminant(s):	
CAS No: 007664-39-3	HYDROGEN FLUORIDE

**Item 1-27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 26A or equivalent method acceptable to the Commissioner.

Parameter Monitored: HYDROGEN FLUORIDE

Upper Permit Limit: 0.73 pounds per hour

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-28: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 60**

**Item 1-28.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 000BH
Emission Unit: 1-MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 00ACI
Emission Unit: 1-MBMWC	Emission Point: 00001



Process: MW1	Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

**Item 1-28.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO2 emissions from each flue shall not exceed 90 ppmv corrected to 7% O2, as determined by continuous monitoring, based on a running 8-hour average, except for 12 periods per year per boiler for scrubber atomizer wheel maintenance, during which the averaging time will be on a running 24-hour basis. The permittee shall meet less stringent of this limit or the 70 percent reduction limit. Compliance shall be based on CEMs. CEMs shall be installed, maintained and operated in accordance with 40 CFR 60, Appendices B and F.

The permittee shall also comply with the requirements 40 CFR 60, Subpart Cb.

Manufacturer Name/Model Number: Western Research 721AT

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 90 parts per million by volume (dry, corrected to 7% O2)

Reference Test Method: 40 CFR 60 App B & F

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 1-29: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 68**

**Item 1-29.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 0SNCR

Emission Unit: 1-MBMWC

Emission Point: 00001



Process: MW1	Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. Compliance shall be based on annual stack testing using 40 CFR 60, Appendix A, Method 29. The permittee shall also comply with the requirements of 40 CFR 60, Subpart Cb.

Manufacturer Name/Model Number: As Per Plan



Parameter Monitored: LEAD

Upper Permit Limit: 0.28 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-30: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 76**

**Item 1-30.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 200BH

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20ACI

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20MWC

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007647-01-0      HYDROGEN CHLORIDE

**Item 1-30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCl emissions from each flue shall not exceed 50 ppm dry volume corrected at 7% O<sub>2</sub>, as determined by continuous monitoring, based on a running 8-hour average, except for 12 periods per year per boiler for scrubber atomizer wheel maintenance, during which the averaging time will be on a running 24-hour basis.

The permittee shall meet less stringent of this limit or the percent reduction limit of 90 percent as specified in this permit. The permittee shall also comply with the requirements 40 CFR 60, Subpart Cb.

HCl monitoring to be conducted at the inlet and outlet of acid gas control equipment as per a protocol submitted by permittee and approved by NYSDEC. HCl continuous monitoring may be waived upon satisfactory demonstration by the permittee that HCl cannot be reliably monitored at the facility and provided that an alternative monitoring procedure acceptable to NYSDEC is implemented. If HCl monitors are not installed initially, NYSDEC may require installation in the future.

Without continuous monitoring, compliance shall be based on annual stack testing using 40 CFR 60, Appendix A, Method 26.



Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 50 parts per million by volume (dry,  
corrected to 7% O<sub>2</sub>)

Reference Test Method: See Description

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-31: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 66**

**Item 1-31.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC	Emission Point: 00002



Process: MW2	Emission Source: 1SNCR
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 200BH
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20ACI
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20MWC
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20SDA
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2AXBR
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2SNCR

**Item 1-31.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each unit at the facility shall be restricted to a maximum steam load level not to exceed 110 percent of the maximum 4-hour block average unit steam load (measured in pounds per hour) achieved during the most recent dioxin/furan test demonstrating compliance with the organics standard contained herein.

Hourly steam values shall be recorded during testing for determination of maximum 4-hour block average and the value submitted to the Department.

Parameter Monitored: STEAM

Upper Permit Limit: 110 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 26: Operating Manual**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-50**

**Item 26.1:**

The Permittee must develop and update on a yearly basis a site-specific operating manual that must,



at a minimum, address the elements of municipal waste combustor unit operation specified below. This manual must be found acceptable by the Department.

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

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

- (1) Initial training shall be completed by the date prior to the day when the person assumes responsibilities affecting municipal waste combustor unit operation, and
- (2) Annually, following the initial training.

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

**Condition 27: Operator Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-52**

**Item 27.1:**

The Permittee shall not allow the municipal waste combustor to be operated at any time unless a fully certified chief facility operator or fully certified shift supervisor is on duty and at the municipal waste combustor unit. If the person listed above must leave the municipal waste combustor unit during their operating shift, a provisionally certified control room operator who is onsite at the municipal waste combustor unit may fulfill the requirement of this condition.

**Condition 28: Operator Training**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**



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

**Replaced by Condition(s) 1-51**

**Item 28.1:**

All chief facility operators, shift supervisors, and control room operators must complete a municipal waste combustor operator training course which is acceptable to the Department 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.

**Condition 29: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-52**

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

(a) When the certified chief facility operator and certified shift supervisor are both offsite for 12 hours or less and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without notice to, or approval by, the Department.

(b) When the certified chief facility operator and certified shift supervisor are offsite for more than 12 hours, but for 2 weeks or less, and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without notice to, or approval by, the Department. However, you must record the periods when the certified chief facility operator and certified shift supervisor are offsite and include the



information in the annual report as specified under 40 CFR 60.59b(g) which is referenced through 40 CFR 60.39b(a).

(c) When the certified chief facility operator and certified shift supervisor are offsite for more than 2 weeks, and no other certified operator is onsite, the provisionally certified control room operator may perform those duties without approval by the Department. However, you must take two actions:

(1) Notify the Department in writing. In the notice, state what caused the absence and what you are doing to ensure that a certified chief facility operator or certified shift supervisor is onsite.

(2) Submit a status report and corrective action summary to the Department every 4 weeks following the initial notification. If the Department notifies you that your status report or corrective action summary is disapproved, your MWC unit(s) may continue operation for 90 days, but then must cease operation. If corrective actions are taken in the 90-day period such that the Department withdraws the disapproval, your MWC unit(s) operation may continue.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 30: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-32**

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 30.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Discharge to the atmosphere of visible emissions of combustion ash from the ash conveying system (including conveyor transfer points) may not exceed 5 percent of the observation period (i.e. 9 minutes per 3-hour period), as determined by EPA Reference Method 22 observations. This emission limit does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, it does cover visible emissions discharged to the atmosphere from buildings or enclosures of ash conveying



systems. This emission limit does not apply during maintenance and repair of ash conveying systems.

Parameter Monitored: OPACITY  
Upper Permit Limit: 5 percent  
Reference Test Method: EPA Ref. Method 22  
Monitoring Frequency: ANNUALLY  
Averaging Method: 9 MINUTES PER 3-HOUR PERIOD  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-32: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 30**

**Item 1-32.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-32.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Discharge to the atmosphere of visible emissions of combustion ash from the ash conveying system (including conveyor transfer points) may not exceed 5 percent of the observation period (i.e. 9 minutes per 3-hour period), as determined by EPA Reference Method 22 observations. This emission limit does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, it does cover visible emissions discharged to the atmosphere from buildings or enclosures of ash conveying systems. This emission limit does not apply during maintenance and repair of ash conveying systems.

Parameter Monitored: OPACITY  
Upper Permit Limit: 5 percent  
Reference Test Method: EPA Ref. Method 22  
Monitoring Frequency: ANNUALLY  
Averaging Method: 9 MINUTES PER 3-HOUR PERIOD  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 31: Compliance and performance testing.**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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



**Replaced by Condition(s) 1-53**

**Item 31.1:**

The Permittee shall meet the compliance and performance testing requirements listed in 40 CFR 60.58b, as applicable, to determine compliance with the limits specified in this permit.

**Item 31.2:**

If the MWC achieves a dioxin/furan emission level less than or equal to 15 nanograms per dry standard cubic meter total mass, corrected to 7 percent oxygen, the alternative performance testing schedule for dioxins/furans specified in 40 CFR 60.58b(g)(5)(iii) may be used.

**Condition 1-33: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 52**

**Item 1-33.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR



Emission Unit: 1-MBMWC  
Process: MW2

Emission Point: 00002  
Emission Source: 1SNCR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 200BH

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20ACI

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20MWC

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

**Item 1-33.2:**

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).

For affected facilities that apply activated carbon for mercury or dioxin/furan control, the owner or operator shall comply with the records specified in 40CFR60.59b(d)(4)(i) through (d)(4)(v) of the same section. These include, but not limited to, estimate of an average feed rate based on carbon injection system operating parameters such as the screw feeder speed, hopper volume, hopper refill frequency, or other parameters appropriate to the feed system being employed, as specified in 40CFR60.58b(m)(1)(i) and (m)(1)(ii) of the same section.

The owner or operator shall estimate the total carbon usage of the plant (kilograms or pounds) for each calendar quarter by two independent methods, according to the procedures in paragraphs 40CFR60.58b(m)(3)(i) and (m)(3)(ii) of the same section.

The owner or operator shall submit the average carbon feed rate recorded under paragraph 40CFR60.59b(d)(4)(i) through (ii). The facility must also report the carbon feed rate



as determined during the most recent stack test in the final Stack Test Report.

Identification of the calendar dates when the average carbon mass feed rates recorded, based on a 6-hour block (arithmetic mean), 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 6-hour block (arithmetic mean), 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: CONTINUOUS  
Averaging Method: 6 HOUR BLOCK - ARITHMETIC MEAN  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-34: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 51**

**Item 1-34.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC	Emission Point: 00002



Process: MW2	Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Contingency Plans dated July 30, 2001 to demonstrate the back up capability of the facility's carbon injection system.

The two contingency plans are i) Volumetric Carbon flow Mode for the failure of the scale or associated controls (Plan "A") and ii) Split Carbon Flow Mode for the total feed/scale systems failure (Plan "B"). These Plans must be implemented to demonstrate continuous compliance/monitoring of activated carbon feed rate as a parametric monitoring of mercury and dioxin/furan emissions, provided the following conditions are met:



1. A 24-hour written notification is made to the Department upon execution of any one of these plans.
2. Under Contingency Plan "A", the manual set-point of the feeder speed shall be at least 15%.
3. Under Contingency Plan "B", the carbon feed rate must be set to a minimum of two and one half (2.5) times the normal (i.e., stack tested) injection set-point.
4. The operating and recordkeeping procedures (e.g., hourly feeder set-point, output to feeder and refilling of the feeder hopper etc.) for both plans as depicted in the Section 7.4 of the Facility's Environmental Compliance Operating Manual (Response to Low Carbon Flow Excursion) shall be strictly adhered to and made available for Department review upon request.
5. Department reserves the right to exercise its own discretion to nullify the contingency plans and seek a permanent fixes of the feeder scale assembly, in case of prolong or excessive use of the plans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 32: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-35**

**Item 32.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 32.2:**

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 of Subpart Eb, as applicable, excluding the siting requirements under §60.59b(a), (b)(5), and (d)(11).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



**Condition 1-35: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 32**

**Item 1-35.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC	Emission Point: 00003



Process: MW3	Emission Source: 20MWC
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20SDA
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2AXBR
Emission Unit: 1-MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2SNCR

**Item 1-35.2:**

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 of Subpart Eb, as applicable, excluding the siting requirements under §60.59b(a), (b)(5), and (d)(11).

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 33: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 64**

**Replaced by Condition(s) 1-36**

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007664-39-3      HYDROGEN FLUORIDE

**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Compliance Assurance Monitoring (CAM) plan for Hydrogen Fluoride (HF) is monitoring of Sulfur dioxide (SO<sub>2</sub>). Please refer to correspondence dated July 18, 2005 from Covanta Huntington to NYSDEC, Region 1.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-36: Compliance Certification**



**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 64**

**Replaces Condition(s) 33**

**Item 1-36.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007664-39-3      HYDROGEN FLUORIDE

**Item 1-36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Compliance Assurance Monitoring (CAM) plan for Hydrogen Fluoride (HF) is monitoring of Sulfur dioxide (SO2). Please refer to correspondence dated July 18, 2005 from Covanta Huntington to NYSDEC, Region 1.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

**Condition 34:      Emission Point Definition By Emission Unit  
Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement:6NYCRR 201-6**

**Item 34.1(From Mod 1):**

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

Emission Unit: 1-MBMWC

Emission Point: 00001

Height (ft.): 312      Diameter (in.): 48  
NYTMN (km.): 4526.723      NYTME (km.): 644.333      Building: 1

Emission Point: 00002

Height (ft.): 312      Diameter (in.): 48  
NYTMN (km.): 4526.723      NYTME (km.): 644.333      Building: 1

Emission Point: 00003

Height (ft.): 312      Diameter (in.): 48  
NYTMN (km.): 4526.723      NYTME (km.): 644.333      Building: 1

**Condition 35:      Process Definition By Emission Unit**



Effective between the dates of 12/22/2005 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

**Item 35.1(From Mod 1):**

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

Emission Unit: 1-MBMWC

Process: MW1

Source Classification Code: 5-01-001-05

Process Description:

The base operating scenario for the Huntington Resource Recovery Facility (HRRF) includes the combustion of solid waste in a nominally sized 250 tons per day (tpd) unit as allowed in HRRF's solid waste permit contained in the facility's Certificate to Operate and as otherwise approved by NYSDEC. The facility is authorized to receive municipal solid waste which includes residential, commercial and government and/or institutional waste and other non-hazardous industrial waste streams as approved by NYSDEC on a case by case basis. The authorized non-hazardous wastes are hereby termed as "MSW". For startup, shutdown and malfunction relief, HRRF will follow the procedures outlined in the 40 CFR 60.58b(a) and can seek relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4. In addition, the emergency defense provision of 6 NYCRR Part 201-1.5 also applies to HRRF. Replaces process MSW.

Emission Source/Control: AXBRN - Combustion

Emission Source/Control: 000BH - Control

Control Type: FABRIC FILTER

Emission Source/Control: 00ACI - 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: 00MWC - Incinerator

Design Capacity: 250 tons per day

Waste Feed Method: CHUTE FED

Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 35.2(From Mod 1):**

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



Emission Unit: 1-MBMWC

Process: MW2

Source Classification Code: 5-01-001-05

Process Description:

The base operating scenario for the Huntington Resource Recovery Facility (HRRF) includes the combustion of solid waste in a nominally sized 250 tons per day (tpd) unit as allowed in HRRF's solid waste permit contained in the facility's Certificate to Operate and as otherwise approved by NYSDEC. The facility is authorized to receive municipal solid waste which includes residential, commercial and government and/or institutional waste and other non-hazardous industrial waste streams as approved by NYSDEC on a case by case basis. The authorized non-hazardous wastes are hereby termed as "MSW". For startup, shutdown and malfunction relief, HRRF will follow the procedures outlined in the 40 CFR 60.58b(a) and can seek relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4. In addition, the emergency defense provision of 6 NYCRR Part 201-1.5 also applies to HRRF. Replaces process MSW.

Emission Source/Control: 1AXBR - Combustion

Emission Source/Control: 100BH - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 10ACI - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 10SDA - Control  
Control Type: DRY SPRAY ABSORPTION

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

Emission Source/Control: 10MWC - Incinerator  
Design Capacity: 250 tons per day  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 35.3(From Mod 1):**

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

Emission Unit: 1-MBMWC

Process: MW3

Source Classification Code: 5-01-001-05

Process Description:

The base operating scenario for the Huntington Resource Recovery Facility (HRRF) includes the combustion of solid waste in a nominally sized 250 tons per day (tpd) unit as allowed in HRRF's solid waste permit contained in the



facility's Certificate to Operate and as otherwise approved by NYSDEC. The facility is authorized to receive municipal solid waste which includes residential, commercial and government and/or institutional waste and other non-hazardous industrial waste streams as approved by NYSDEC on a case by case basis. The authorized non-hazardous wastes are hereby termed as "MSW". For startup, shutdown and malfunction relief, HRRF will follow the procedures outlined in the 40 CFR 60.58b(a) and can seek relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4. In addition, the emergency defense provision of 6 NYCRR Part 201-1.5 also applies to HRRF. Replaces process MSW.

Emission Source/Control: 2AXBR - Combustion

Emission Source/Control: 200BH - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 20ACI - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 20SDA - Control  
Control Type: DRY SPRAY ABSORPTION

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

Emission Source/Control: 20MWC - Incinerator  
Design Capacity: 250 tons per day  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 35.4(From Mod 1):**

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

Emission Unit: 1-MBMWC

Process: ST1

Source Classification Code: 5-01-900-06

Process Description:

Municipal waste combustor is capable of firing propane during startup/shutdown and malfunction conditions, in addition to transitioning to/from MSW firing or to maintain combustion temperature. The Huntington Resource Recovery Facility (HRRF) uses propane gas as an auxiliary fuel only in its base operating scenario. Propane gas is used during startup to warm the unit up to the minimum required combustion zone temperature and residence time before introducing refuse into the furnace and during the transition period before the fires are fully sustained by the refuse. Propane gas is used as an auxiliary fuel



during shutdown in order to maintain minimum combustion zone temperature and residence time requirements until refuse 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. For startup, shutdown and malfunction relief, HRRF will follow the procedures outlined in the 40 CFR 60.58b(a) and can seek relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4. In addition, the emergency defense provision of 6 NYCRR Part 201-1.5 also applies to HRRF. The following descriptions/definitions will be utilized to identify the MWC operating modes. Replaces process STS.

Emission Source/Control: AXBRN - Combustion

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

Emission Source/Control: 00ACI - 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: 00MWC - Incinerator  
Design Capacity: 250 tons per day  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 35.5(From Mod 1):**

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

Emission Unit: 1-MBMWC

Process: ST2

Source Classification Code: 5-01-900-06

Process Description:

Municipal waste combustor is capable of firing propane during startup/shutdown and malfunction conditions, in addition to transitioning to/from MSW firing or to maintain combustion temperature. The Huntington Resource Recovery Facility (HRRF) uses propane gas as an auxiliary fuel only in its base operating scenario. Propane gas is used during startup to warm the unit up to the minimum required combustion zone temperature and residence time before introducing refuse into the furnace and during the transition period before the fires are fully sustained by the refuse. Propane gas is used as an auxiliary fuel during shutdown in order to maintain minimum combustion



zone temperature and residence time requirements until refuse 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. For startup, shutdown and malfunction relief, HRRF will follow the procedures outlined in the 40 CFR 60.58b(a) and can seek relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4. In addition, the emergency defense provision of 6 NYCRR Part 201-1.5 also applies to HRRF. The following descriptions/definitions will be utilized to identify the MWC operating modes. Replaces process STS.

Emission Source/Control: 1AXBR - Combustion

Emission Source/Control: 100BH - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 10ACI - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 10SDA - Control  
Control Type: DRY SPRAY ABSORPTION

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

Emission Source/Control: 10MWC - Incinerator  
Design Capacity: 250 tons per day  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 35.6(From Mod 1):**

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

Emission Unit: 1-MBMWC

Process: ST3

Source Classification Code: 5-01-900-06

Process Description:

Municipal waste combustor is capable of firing propane during startup/shutdown and malfunction conditions, in addition to transitioning to/from MSW firing or to maintain combustion temperature. The Huntington Resource Recovery Facility (HRRF) uses propane gas as an auxiliary fuel only in its base operating scenario. Propane gas is used during startup to warm the unit up to the minimum required combustion zone temperature and residence time before introducing refuse into the furnace and during the transition period before the fires are fully sustained by the refuse. Propane gas is used as an auxiliary fuel during shutdown in order to maintain minimum combustion zone temperature and residence time requirements until



refuse 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. For startup, shutdown and malfunction relief, HRRF will follow the procedures outlined in the 40 CFR 60.58b(a) and can seek relief for additional regulated parameters from NYSDEC on a case by case basis pursuant to 6 NYCRR Part 201-1.4. In addition, the emergency defense provision of 6 NYCRR Part 201-1.5 also applies to HRRF. The following descriptions/definitions will be utilized to identify the MWC operating modes. Replaces process STS.

Emission Source/Control: 2AXBR - Combustion

Emission Source/Control: 200BH - Control  
Control Type: FABRIC FILTER

Emission Source/Control: 20ACI - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: 20SDA - Control  
Control Type: DRY SPRAY ABSORPTION

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

Emission Source/Control: 20MWC - Incinerator  
Design Capacity: 250 tons per day  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 35.7(From Mod 0):**

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

Emission Unit: 1-MBMWC

Process: MSW

Source Classification Code: 5-01-001-05

Process End Date: 4/18/2008

Process Description:

THREE MUNICIPAL WASTE COMBUSTORS FIRING MUNICIPAL SOLID WASTE. THE BASE OPERATING SCENARIO FOR THE HUNTINGTON RESOURCE RECOVERY (HRRF) INCLUDES THE COMBUSTION OF SOLID WASTE IN THREE NOMINALLY SIZED 250 TONS PER DAY (TPD) UNITS AS ALLOWED IN THE HRRF'S SOLID WASTE PERMIT CONTAINED IN THE FACILITY'S CERTIFICATE TO OPERATE AND AS OTHERWISE APPROVED BY NYSDEC. THE FACILITY IS AUTHORIZED TO RECEIVE MUNICIPAL SOLID WASTE WHICH INCLUDES RESIDENTIAL, COMMERCIAL AND GOVERNMENT AND/OR INSTITUTIONAL WASTE AND OTHER NON-HAZARDOUS



INDUSTRIAL WASTE STREAMS AS APPROVED BY NYSDEC ON A CASE BY CASE BASIS. THE AUTHORIZED NONHAZARDOUS WASTES ARE HEREBY TERMED AS "MSW". FOR STARTUP, SHUTDOWN AND MALFUNCTION RELIEF, THE HRRF WILL FOLLOW THE PROCEDURES OUTLINED IN THE 40 CFR 60.58b(a) AND CAN SEEK RELIEF FOR ADDITIONAL REGULATED PARAMETERS FROM NYSDEC ON A CASE BY CASE BASIS PURSUANT TO 6 NYCRR PART 201-1.4. IN ADDITION, THE EMERGENCY DEFENSE PROVISION OF 6 NYCRR PART 201-1.5 ALSO APPLIES TO HRRF.

Emission Source/Control: AXBRN - Combustion

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

Emission Source/Control: 00ACI - 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: 00MWC - Incinerator  
Design Capacity: 250 tons per day  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

**Item 35.8(From Mod 0):**

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

Emission Unit: 1-MBMWC

Process: STS

Source Classification Code: 5-01-900-06

Process End Date: 4/18/2008

Process Description:

ALL THREE (3) MUNICIPAL WASTE COMBUSTORS ARE CAPABLE OF FIRING PROPANE DURING STARTUP/SHUTDOWN AND MALFUNCTION CONDITIONS, IN ADDITION TO TRANSITIONING TO/FROM MSW FIRING OR TO MAINTAIN COMBUSTION TEMPERATURE. THE HUNTINGTON RESOURCE RECOVERY FACILITY (HRRF) USES PROPANE GAS AS AN AUXILIARY FUEL ONLY IN ITS BASE OPERATING SCENARIO. PROPANE GAS IS USED DURING STARTUP TO WARM THE UNIT UP TO THE MINIMUM REQUIRED COMBUSTION ZONE TEMPERATURE AND RESIDENCE TIME BEFORE



INTRODUCING REFUSE INTO THE FURNACE AND DURING THE TRANSITION PERIOD BEFORE THE FIRES ARE FULLY SUSTAINED BY THE REFUSE. PROPANE GAS IS USED AS AN AUXILIARY FUEL DURING SHUTDOWN IN ORDER TO MAINTAIN MINIMUM COMBUSTION ZONE TEMPERATURE AND RESIDENCE TIME REQUIREMENTS UNTIL REFUSE 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. FOR STARTUP, SHUTDOWN AND MALFUNCTION RELIEF, THE HRRF WILL FOLLOW THE PROCEDURES OUTLINED IN THE 40 CFR 60.58b(a) AND CAN SEEK RELIEF FOR ADDITIONAL REGULATED PARAMETERS FROM NYSDEC ON A CASE BY CASE BASIS PURSUANT TO 6 NYCRR PART 201-1.4. IN ADDITION, THE EMERGENCY DEFENSE PROVISION OF 6 NYCRR PART 201-1.5 ALSO APPLIES TO HRRF. THE FOLLOWING DESCRIPTIONS/DEFINITIONS WILL BE UTILIZED TO IDENTIFY THE MWC OPERATING MODES.

Emission Source/Control: AXBRN - Combustion

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

Emission Source/Control: 00ACI - 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: 00MWC - Incinerator  
Design Capacity: 250 tons per day  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

**Condition 36: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Replaced by Condition(s) 1-8**

**Item 36.1:**

The Compliance Certification activity will be performed for:



Emission Unit: 1-MBMWC

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

BYPASS OPERATION AND REFUSE FEED  
RESTRICTIONS:

THE AIR POLLUTION CONTROL DEVICE TREATING THE FLUE GAS FROM A FURNACE SHALL NOT BE OPERATED IN THE FLUE GAS BYPASS MODE AT ANY TIME WHILE COMBUSTIBLE WASTE IS CONTAINED IN THAT FURNACE. FLUE GAS BYPASS MODE OF THE AIR POLLUTION CONTROL DEVICES TREATING THE FLUE GAS FROM A FURNACE IS PERMITTED AT ANY TIME DURING WHICH ONLY AUXILIARY FUEL IS BEING COMBUSTED IN THAT FURNACE.

ADDITIONALLY, REFUSE FEED INTO THE AFFECTED FURNACE SHALL BE DISCONTINUED WITHIN 30 MINUTES OF THE TIME OF FAILURE OF ANY AIR POLLUTION CONTROL DEVICE TREATING THE FLUE GAS FROM THAT FURNACE.

THE PERMITTEE SHALL DEMONSTRATE COMPLIANCE THROUGH RECORD KEEPING THAT THE WASTE FEED DAMPER IS AT CLOSED POSITION WHILE OPERATING IN THE FLUE GAS BYPASS MODE AND SUCH RECORD SHALL BE MAINTAINED AT THE SITE FOR NYSDEC REVIEW.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 37: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb**

**Replaced by Condition(s) 1-38**

**Item 37.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



**Item 37.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:  
Opacity emission limit.

Parameter Monitored: OPACITY  
Upper Permit Limit: 10 percent  
Reference Test Method: 40CFR60, M-9 & PS1  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 38: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-39**

**Item 38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

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

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:

Cadmium emission limit.

Parameter Monitored: CADMIUM  
Upper Permit Limit: 0.040 milligrams per dry standard  
cubic meter (corrected to 7% oxygen)  
Reference Test Method: EPA Ref. Method 29  
Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 39: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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



**Expired by Mod 1**

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

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 emission limit. The Upper Limit for lead of 0.44 milligrams per dry standard cubic meter (corrected to 7% O<sub>2</sub>).

Upper Permit Limit: 0.44 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 40: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-40**

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

**Item 40.2:**

Compliance Certification 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 provided in this permit.

Parameter Monitored: MERCURY

Upper Permit Limit: 0.08 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29



Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 41: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-41**

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 41.2:**

Compliance Certification 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 provided in this permit.

Parameter Monitored: MERCURY

Lower Permit Limit: 85 percent reduction by weight  
(corrected to 7% O<sub>2</sub>, dry basis)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 42: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.33b(b)(1)(i), NSPS Subpart Cb**

**Expired by Mod 1**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 42.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 75 percent reduction by weight or volume Sulfur Dioxide emission limit provided in this permit. The Upper Limit for Sulfur Dioxide of 29 parts per million by volume (dry, corrected to 7% O<sub>2</sub>).

Manufacturer Name/Model Number: Western Research, 721AT

Upper Permit Limit: 29 parts per million by volume (dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: Ref - 40CFR60.58b(e)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 43: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb**

**Expired by Mod 1**

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Parameter Monitored: SULFUR DIOXIDE

Lower Permit Limit: 75 percent reduction by weight or volume (corrected to 7% O<sub>2</sub>, dry basis)

Reference Test Method: Ref - 40CFR60.58b(e)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 1/30/2006.

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

**Condition 44: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 95 percent reduction by weight or volume Hydrogen Chloride emission limit provided in this permit. The Upper Limit for Hydrogen Chloride of 29 parts per million by volume (dry, corrected to 7% O<sub>2</sub>).

Upper Permit Limit: 29 parts per million by volume (dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 45: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 45.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: HYDROGEN CHLORIDE

Lower Permit Limit: 95 percent reduction by weight or volume (corrected to 7% O<sub>2</sub>, dry basis)

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 46: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.33b(c)(1)(ii), NSPS Subpart Cb**

**Expired by Mod 1**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

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

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Total Dioxin/furan emission limit for municipal waste combustor that does not employ an electrostatic precipitator-based emission control system.

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

Upper Permit Limit: 30 nanograms per dry standard cubic meter (total mass, corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Ref. Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 47: MWC Unit Load Level**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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



**Expired by Mod 1**

**Item 47.1:**

This Condition applies to Emission Unit: 1-MBMWC

**Item 47.2:**

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

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

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

**Condition 48: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-47**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: Ref - 40CFR60.58b(i)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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



**Condition 49: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-49**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

**Item 49.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The Permittee shall not cause the municipal waste combustor to operate at a temperature, measured at the particulate matter control device inlet, exceeding 30.6 degrees Fahrenheit (17 degrees Celsius) above the maximum demonstrated particulate matter control device temperature during four consecutive hours (4-hour block arithmetic average) during the most recent dioxin/furan performance test demonstrating compliance with the applicable dioxin/furan limit, except as follows:

- (1) During the annual dioxin/furan performance test and the 2 weeks preceding the annual dioxin/furan performance test, no particulate matter control device temperature limitations are applicable.
- (2) The particulate matter control device temperature limits may be waived in accordance with permission granted by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving municipal waste combustor performance or advancing the state-of-the-art for controlling municipal waste combustor emissions.

Parameter Monitored: TEMPERATURE CHANGE

Upper Permit Limit: 30.6 degrees Fahrenheit

Reference Test Method: N/A

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR AVERAGE ( ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 50: Continuous Monitoring**



**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 50.1:**

This Condition applies to Emission Unit: 1-MBMWC

**Item 50.2:**

The facility shall install, calibrate, maintain, and operate a continuous emission monitoring system and record the output of the system for measuring the oxygen or carbon dioxide content of the flue gas at each location where carbon monoxide, sulfur dioxide, or nitrogen oxides emissions are monitored and shall comply with the test procedures and test methods specified in paragraphs (b)(1) through (b)(7) of 40CFR60.58b.

If carbon dioxide is selected for use in diluent corrections, the relationship between oxygen and carbon dioxide levels shall be established during the initial performance test according to the procedures and methods specified in paragraphs (b)(6)(i) through (b)(6)(iv) of 40CFR60.58b.

**Condition 51: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-34**

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Contingency Plans dated July 30, 2001 to demonstrate the back up capability of the facility's carbon injection system.

The two contingency plans are i) Volumetric Carbon flow Mode for the failure of the scale or associated controls (Plan "A") and ii) Split Carbon Flow Mode for the total feed/scale systems failure (Plan "B"). These Plans must be implemented to demonstrate continuous compliance/monitoring of activated carbon feed rate as a parametric monitoring of mercury and dioxin/furan emissions, provided the following conditions are met:

1. A 24-hour written notification is made to the Department upon execution of any one of these plans.



2. Under Contingency Plan "A", the manual set-point of the feeder speed shall be at least 15%.
3. Under Contingency Plan "B", the carbon feed rate must be set to a minimum of two and one half (2.5) times the normal (i.e., stack tested) injection set-point.
4. The operating and recordkeeping procedures (e.g., hourly feeder set-point, output to feeder and refilling of the feeder hopper etc.) for both plans as depicted in the Section 7.4 of the Facility's Environmental Compliance Operating Manual (Response to Low Carbon Flow Excursion) shall be strictly adhered to and made available for Department review upon request.
5. Department reserves the right to exercise its own discretion to nullify the contingency plans and seek a permanent fixes of the feeder scale assembly, in case of prolong or excessive use of the plans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 52: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-33**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

**Item 52.2:**

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).

For affected facilities that apply activated carbon for mercury or dioxin/furan control, the owner or operator shall comply with the records specified in 40CFR60.59b(d)(4)(i) through (d)(4)(v) of the same section. These include, but not limited to, estimate of an average feed rate based on carbon injection system operating parameters such as the screw feeder speed, hopper volume, hopper refill frequency, or other



parameters appropriate to the feed system being employed, as specified in 40CFR60.58b(m)(1)(i) and (m)(1)(ii) of the same section.

The owner or operator shall estimate the total carbon usage of the plant (kilograms or pounds) for each calendar quarter by two independent methods, according to the procedures in paragraphs 40CFR60.58b(m)(3)(i) and (m)(3)(ii) of the same section.

The owner or operator shall submit the average carbon feed rate recorded under paragraph 40CFR60.59b(d)(4)(i) through (ii). The facility must also report the carbon feed rate as determined during the most recent stack test in the final Stack Test Report.

Identification of the calendar dates when the average carbon mass feed rates recorded, based on a 6-hour block (arithmetic mean), 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 6-hour block (arithmetic mean), 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: CONTINUOUS  
Averaging Method: 6 HOUR BLOCK - ARITHMETIC MEAN  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 53: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 231-2.5**

**Replaced by Condition(s) 1-6**

**Item 53.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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



**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HYDROCARBON (NON-METHANE) AS ETHANE EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING 40CFR60, APPENDIX A, METHOD 25A OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER.

Parameter Monitored: VOC

Upper Permit Limit: 6.4 pounds per hour

Reference Test Method: EPA Ref Method 25A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 54: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Replaced by Condition(s) 1-7**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Stack Testing Frequency:

A. Manual stack testing shall be conducted for the following contaminants:

1. Total Particulate Matter
2. PM-10
3. SULFUR DIOXIDE
4. OXIDES OF NITROGEN
5. CO
6. CO<sub>2</sub>
7. HYDROGEN CHLORIDE
- 8.



- 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
9. 2,3,7,8-TETRACHLORODIBENZOFURAN
9. LEAD
10. CADMIUM
11. MERCURY
12. POLYCHLORINATED BIPHENYL
13. TOTAL POLYCYCLIC AROMATIC HYDROCARBONS
14. FORMALDEHYDE
15. HYDROGEN FLUORIDE
16. TRACE METALS (Arsenic, Beryllium, Chromium, Manganese, Nickel, Vanadium and Zinc)
17. Ammonia

TESTING SHALL BE CONDUCTED AT INTERVALS SPECIFIED BY THE DEPARTMENT IN WRITING AND/OR IN ACCORDANCE WITH THE 40 CFR 60, SUBPART Cb REQUIREMENTS. ALL TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH A TEST PROTOCOL APPROVED BY NYSDEC.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 55: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 52.21, Subpart A**

**Replaced by Condition(s) 1-9**

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall not burn more than 350,000 tons per year of authorized wastes. The total throughput for each month and the calendar year-to-date total of waste combusted must be reported to the Department on a monthly basis. This federally enforceable throughput limit is based on the Permit Modification requests dated April 2000, indicating that no increases to any other permit conditions are being sought, including all emission limitations. Compliance shall be based as



follows:

**Charging Rate:**

The facility shall not charge (process) more than 350,000 tons per 12-month rolling average and shall report to the Department, on a monthly basis, the facility's average annual throughput using the following formula:

$$\text{Tons Processed/Week} = \text{Tons Received/Week} \pm \text{Change in Existing Inventory/Week} - \text{Bulkies Removed from the Floor/Week}$$

where,

$$\text{Tons Received/Week} = \text{Tons of incoming municipal waste received at the tipping floor for that week.}$$

$$\pm \text{Change in the Existing Inventory/Week} = \text{Change in the existing waste inventory determined from the prior week's calculation and either added to (if the inventory went down) or subtracted from (if the inventory went up) the total deliveries recorded by the scale system for the week.}$$

$$\text{Bulkies Removed from the Floor/Week} = \text{Any bulky or unacceptable waste that is removed from the incoming waste on the tipping floor during that week.}$$

To demonstrate compliance with the 12-month rolling average, the facility shall calculate the existing inventory, the tons of bulkies removed and the number of tons processed at the end of each month.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: CALENDAR YEAR AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 56: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-15**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

Regulated Contaminant(s):



CAS No: 007664-93-9 SULFURIC ACID

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

SULFURIC ACID MIST EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING 40CFR60, APPENDIX A, METHOD 8 OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 2.04 pounds per hour

Reference Test Method: EPA Ref Method 8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 57: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-21**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

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

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. THIS LIMIT IS EQUIVALENT TO 180 parts per million by volume (dry corrected to 12 % CO<sub>2</sub>).

COMPLIANCE SHALL BE BASED ON CEMS. CEMS SHALL BE INSTALLED, MAINTAINED AND OPERATED IN ACCORDANCE WITH 40CFR60, APPENDIX B AND F.



Manufacturer Name/Model Number: Thermo Environmental 10s

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 185 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: Ref - 40CFR60.58b(h)

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 58: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-24**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSIONS FROM EACH FLUE SHALL NOT  
EXCEED THE LIMIT SHOWN IN THIS CONDITION.  
COMPLIANCE SHALL BE BASED ON CEMS. CEMS  
SHALL BE INSTALLED, MAINTAINED AND  
OPERATED IN ACCORDANCE WITH 40CFR60,  
SUBPART Cb AND APPENDIX B AND F.

Manufacturer Name/Model Number: Thermo Environmental, Model 48

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: Ref - 40CFR60.58b(i)

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 59: Compliance Certification**



**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-23**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO2 EMISSIONS FROM EACH FLUE SHALL NOT EXCEED 30 PERCENT BY WEIGHT OF THE UNCONTROLLED SO2 EMISSIONS (70 PERCENT REDUCTION), AS DETERMINED BY CONTINUOUS MONITORING, BASED ON A RUNNING 8-HOUR AVERAGE, EXCEPT FOR 12 PERIODS PER YEAR PER BOILER FOR SCRUBBER ATOMIZER WHEEL MAINTENANCE, DURING WHICH THE AVERAGING TIME WILL BE ON A RUNNING 24-HOUR BASIS. THE PERMITTEE SHALL MEET LESS STRINGENT OF THIS LIMIT OR THE CONCENTRATION LIMIT OF 90 ppm<sub>dv</sub> CORRECTED TO 7% O<sub>2</sub>. COMPLIANCE SHALL BE BASED ON CEMS. CEMS SHALL BE INSTALLED, MAINTAINED AND OPERATED IN ACCORDANCE WITH 40CFR60, APPENDIX B & F.

THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS OF 40CFR60, SUBPART Cb.

Manufacturer Name/Model Number: Western Research 721AT

Parameter Monitored: SULFUR DIOXIDE

Lower Permit Limit: 70 percent by weight

Reference Test Method: 40CFR60, APP. B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 60: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**



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

**Replaced by Condition(s) 1-28**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO2 EMISSIONS FROM EACH FLUE SHALL NOT EXCEED 90 PPMDV @ 7% O2, AS DETERMINED BY CONTINUOUS MONITORING, BASED ON A RUNNING 8-HOUR AVERAGE, EXCEPT FOR 12 PERIODS PER YEAR PER BOILER FOR SCRUBBER ATOMIZER WHEEL MAINTENANCE, DURING WHICH THE AVERAGING TIME WILL BE ON A RUNNING 24-HOUR BASIS. THE PERMITTEE SHALL MEET LESS STRINGENT OF THIS LIMIT OR THE 70 PERCENT REDUCTION LIMIT. COMPLIANCE SHALL BE BASED ON CEMS. CEMS SHALL BE INSTALLED, MAINTAINED AND OPERATED IN ACCORDANCE WITH 40CFR60, APPENDIX B & F.

THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS 40CFR60, SUBPART Cb.

Manufacturer Name/Model Number: Western Research 721AT

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 90 parts per million by volume (dry, corrected to 7% O2)

Reference Test Method: 40CFR60, APP. B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 61: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-14**



**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

PARTICULATE EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON ANNUAL STACK TESTING, USING 40CFR60, APPENDIX A, METHOD 5.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.010 grains per dry standard cubic foot (corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Ref Method 5

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 62: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-12**

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCL EMISSIONS FROM EACH FLUE SHALL NOT EXCEED 10 PERCENT BY WEIGHT OF THE UNCONTROLLED HCL EMISSIONS (90 PERCENT REDUCTION), AS DETERMINED BY CONTINUOUS MONITORING, BASED ON A RUNNING 8-HOUR



AVERAGE, EXCEPT FOR 12 PERIODS PER YEAR PER BOILER FOR SCRUBBER ATOMIZER WHEEL MAINTENANCE, DURING WHICH THE AVERAGING TIME WILL BE ON A RUNNING 24-HOUR BASIS.

THE PERMITTEE SHALL MEET LESS STRINGENT OF THIS LIMIT OR THE CONCENTRATION LIMIT OF 50 PPMDV (CORRECTED TO 7% O<sub>2</sub>) AS SPECIFIED IN THIS PERMIT. THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS 40CFR60, SUBPART Cb.

HCL MONITORING TO BE CONDUCTED AT THE INLET AND OUTLET OF ACID GAS CONTROL EQUIPMENT AS PER A PROTOCOL SUBMITTED BY PERMITTEE AND APPROVED BY NYSDEC. HCL CONTINUOUS MONITORING MAY BE WAIVED UPON SATISFACTORY DEMONSTRATION BY THE PERMITTEE THAT HCL CANNOT BE RELIABLY MONITORED AT THE FACILITY AND PROVIDED THAT AN ALTERNATIVE MONITORING PROCEDURE ACCEPTABLE TO NYSDEC IS IMPLEMENTED. IF HCL MONITORS ARE NOT INSTALLED INITIALLY, NYSDEC MAY REQUIRE INSTALLATION IN THE FUTURE.

WITHOUT CONTINUOUS MONITORING, COMPLIANCE SHALL BE BASED ON ANNUAL STACK TESTING USING 40CFR60, APPENDIX A, METHOD 26.

Parameter Monitored: HYDROGEN CHLORIDE  
Lower Permit Limit: 90 percent reduction by weight  
Reference Test Method: SEE DESCRIPTION  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 63: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-22**

**Item 63.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

**Item 63.2:**  
Compliance Certification shall include the following monitoring:



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

Monitoring Description:

COMBUSTION INDEX (CI) AS DEFINED IN  
6NYCRRR PART 219-2.4 SHALL BE MAINTAINED  
AS A MINIMUM THE LIMIT SHOWN IN THIS  
CONDITION. CI SHALL BE DETERMINED FROM  
CONTINUOUS MEASUREMENTS CONDUCTED AT A  
LOCATION PRIOR TO ANY AIR POLLUTION  
CONTROL EQUIPEMNT. COMPLIANCE SHALL BE  
BASED ON CEMS OF CO AND CO2.

Manufacturer Name/Model Number: AS PER PLAN

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99.8 percent

Reference Test Method: 40CFR60 App. B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 64: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-26**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

**Item 64.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

TEMPERATURE REQUIREMENTS -  
THE TEMPERATURE OF GASES IN THE  
COMBUSTION ZONE MUST BE MAINTAINED AT A  
MINIMUM TEMPERATURE SHOWN IN THIS  
CONDITION FOR A RESIDENCE TIME OF NOT  
LESS THAN 1 SECOND, OR A TIME AND  
TEMPERATURE SHOWN TO BE EQUIVALENT TO THE  
LIMIT SHOWN IN THIS CONDITION AT 1  
SECOND.

AUXILIARY BURNERS SHALL BE OPERATED AS



NECESSARY TO COMPLY WITH THIS REQUIREMENT  
AND AT THE FOLLOWING TIMES:

1. FURNACE START UP PRIOR TO  
INTRODUCTION OF MUNICIPAL SOLID WASTE  
INTO FURNACE;
2. FURNACE SHUTDOWN WHEN MUNICIPAL SOLID  
WASTE FEED HAS BEEN DISCONTINUED UNTIL  
ALL REFUSE IS CLEARED FROM COMBUSTION  
CHAMBER;
3. DURING UPSET OPERATIONS OR TO  
MAINTAIN TEMPERATURE AND FLUE GAS  
RESIDENCE TIME DEFINED IN THIS  
CONDITION.

COMPLIANCE SHALL BE BASED ON CONTINUOUS  
MEASUREMENT OF TEMPERATURE AT SURROGATE  
LOCATION USING METHODS SPECIFIED IN THE  
PLAN SUBMITTED IN APRIL 1993 AND JUNE  
1995 AND APPROVED BY THE DEPARTMENT IN  
FEBRUARY 2, 1996.

Parameter Monitored: TEMPERATURE  
Lower Permit Limit: 1800 degrees Fahrenheit  
Reference Test Method: SEE DESCRIPTION  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 30 MINUTE CONTINUOUS  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 65: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-18**

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM EACH FLUE SHALL NOT  
EXCEED THE LIMIT SHOWN IN THIS CONDITION.



COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING 40CFR60, APPENDIX A, METHOD 6C OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER.

Manufacturer Name/Model Number: Western Research 721AT  
Parameter Monitored: SULFUR DIOXIDE  
Upper Permit Limit: 32.6 pounds per hour  
Reference Test Method: EPA Ref Method 6C  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 66: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-31**

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

**Item 66.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

EACH UNIT AT THE FACILITY SHALL BE RESTRICTED TO A MAXIMUM STEAM LOAD LEVEL NOT TO EXCEED 110 PERCENT OF THE MAXIMUM 4-HOUR BLOCK AVERAGE UNIT STEAM LOAD (MEASURED IN POUNDS PER HOUR) ACHIEVED DURING THE MOST RECENT DIOXIN/FURAN TEST DEMONSTRATING COMPLIANCE WITH THE ORGANICS STANDARD CONTAINED HEREIN. HOURLY STEAM VALUES SHALL BE RECORDED DURING TESTING FOR DETERMINATION OF MAXIMUM 4-HOUR BLOCK AVERAGE AND THE VALUE SUBMITTED TO THE DEPARTMENT.

Parameter Monitored: STEAM  
Upper Permit Limit: 110 percent  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.



The initial report is due 1/30/2006.

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

**Condition 67: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-10**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCL EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION, EXPRESSED AS AN 8-HOUR AVERAGE, AS DETERMINED BY CEMS. IN ABSENCE OF CEMS, COMPLIANCE SHALL BE BASED ON ANNUAL STACK TESTING USING 40CFR60, APPENDIX A, METHOD 26 OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 10.3 pounds per hour

Reference Test Method: EPA Ref Method 26

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 68: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-29**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):



CAS No: 007439-92-1 LEAD

**Item 68.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON ANNUAL STACK TESTING USING 40CFR60, APPENDIX A, METHOD 29. THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS OF 40CFR60, SUBPART Cb.

Manufacturer Name/Model Number: AS PER PLAN

Parameter Monitored: LEAD

Upper Permit Limit: 0.28 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 69: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-19**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

**Item 69.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

OPERATING REQUIREMENT PER PSD PERMIT TO MAINTAIN TEMPERATURE OF THE FLUE GAS AT THE EXIT OF THE ACID GAS CONTROL DEVICE AT OR BELOW THE TEMPERATURE INDICATED IN THIS CONDITION, AS DETERMINED BY CONTINUOUS MONITORING BASED ON THE AVERAGING METHOD SHOWN. EXCEPT FOR 12 PERIODS PER YEAR PER BOILER FOR SCRUBBER ATOMIZER WHEEL MAINTENANCE, DURING WHICH THE AVERAGING TIME WILL BE ON A RUNNING 24-HOUR BASIS.



Parameter Monitored: TEMPERATURE  
Upper Permit Limit: 320 degrees Fahrenheit  
Reference Test Method: NYSDEC Acceptable  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 4-HOUR ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 70: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-16**

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 70.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING 40CFR60, APPENDIX A, METHOD 10 OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER.

Manufacturer Name/Model Number: Siemens Ultra - Mat 21P  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 15.9 pounds per hour  
Reference Test Method: EPA Ref Method 10  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 71: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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



**Replaced by Condition(s) 1-27**

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

Regulated Contaminant(s):  
CAS No: 007664-39-3      HYDROGEN FLUORIDE

**Item 71.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING 40CFR60, APPENDIX A, METHOD 26A OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER.

Parameter Monitored: HYDROGEN FLUORIDE

Upper Permit Limit: 0.73 pounds per hour

Reference Test Method: EPA Ref Method 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 72: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-13**

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION.



COMPLIANCE SHALL BE BASED ON STACK  
TESTING AT INTERVAL SPECIFIED BY NYSDEC,  
USING 40CFR60, APPENDIX A, METHOD 29.

Parameter Monitored: BERYLLIUM  
Upper Permit Limit: 0.0002 pounds per hour  
Reference Test Method: EPA Ref Method 29  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 73: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-11**

**Item 73.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 73.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING  
Monitoring Description:  
HYDROCARBON (NON-METHANE) AS ETHANE  
EMISSIONS FROM EACH FLUE SHALL NOT EXCEED  
THE LIMIT SHOWN IN THIS CONDITION.  
COMPLIANCE SHALL BE BASED ON STACK  
TESTING AT INTERVAL SPECIFIED BY NYSDEC,  
USING 40CFR60, APPENDIX A, METHOD 25A OR  
EQUIVALENT METHOD ACCEPTABLE TO THE  
COMMISSIONER.

Parameter Monitored: VOC  
Upper Permit Limit: 6.4 pounds per hour  
Reference Test Method: EPA Ref Method 25A  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 74: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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



**Replaced by Condition(s) 1-20**

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

**Item 74.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

COMBUSTION INDEX (CI) AS DEFINED IN  
6NYCRRR PART 219-2.4 SHALL BE MAINTAINED  
AS A MINIMUM THE LIMIT SHOWN IN THIS  
CONDITION. COMPLIANCE SHALL BE BASED ON  
CEMS OF CO AND CO<sub>2</sub>.

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99.9 percent

Reference Test Method: 40CFR60 App. B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 75: Compliance Certification**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-25**

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

Regulated Contaminant(s):

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

**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS OF PARTICULATE LESS THAN 10  
MICRONS DIAMETER (PM-10) FROM EACH  
FURNACE FLUE SHALL NOT EXCEED 0.010



GR/DSCF @ 7% O<sub>2</sub>. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVALS SPECIFIED BY NYSDEC, USING 40CFR60, APPENDIX A, METHOD 5.

Parameter Monitored: PM-10

Upper Permit Limit: 0.010 grains per dry standard cubic foot (corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA 201 or 201A & 202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 76: Compliance Certification**  
Effective between the dates of 12/22/2005 and Permit Expiration Date

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

**Replaced by Condition(s) 1-30**

**Item 76.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

HCL EMISSIONS FROM EACH FLUE SHALL NOT EXCEED 50 PPM DRY VOLUME CORRECTED AT 7% O<sub>2</sub>, AS DETERMINED BY CONTINUOUS MONITORING, BASED ON A RUNNING 8-HOUR AVERAGE, EXCEPT FOR 12 PERIODS PER YEAR PER BOILER FOR SCRUBBER ATOMIZER WHEEL MAINTENANCE, DURING WHICH THE AVERAGING TIME WILL BE ON A RUNNING 24-HOUR BASIS.

THE PERMITTEE SHALL MEET LESS STRINGENT OF THIS LIMIT OR THE PERCENT REDUCTION LIMIT OF 90 PERCENT AS SPECIFIED IN THIS PERMIT. THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS 40CFR60, SUBPART Cb.

HCL MONITORING TO BE CONDUCTED AT THE INLET AND OUTLET OF ACID GAS CONTROL



EQUIPMENT AS PER A PROTOCOL SUBMITTED BY PERMITTEE AND APPROVED BY NYSDEC. HCL CONTINUOUS MONITORING MAY BE WAIVED UPON SATISFACTORY DEMONSTRATION BY THE PERMITTEE THAT HCL CANNOT BE RELIABLY MONITORED AT THE FACILITY AND PROVIDED THAT AN ALTERNATIVE MONITORING PROCEDURE ACCEPTABLE TO NYSDEC IS IMPLEMENTED. IF HCL MONITORS ARE NOT INSTALLED INITIALLY, NYSDEC MAY REQUIRE INSTALLATION IN THE FUTURE.

WITHOUT CONTINUOUS MONITORING, COMPLIANCE SHALL BE BASED ON ANNUAL STACK TESTING USING 40CFR60, APPENDIX A, METHOD 26.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 50 parts per million by volume (dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: SEE DESCRIPTION

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 77: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-17**

**Item 77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 77.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS FROM EACH FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON ANNUAL STACK TESTING USING 40CFR60, APPENDIX A, METHOD 29. THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS OF 40CFR60, SUBPART Cb AND 6NYCRR PART 219-7.



Parameter Monitored: MERCURY

Upper Permit Limit: 0.05 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 78: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable Federal Requirement:6NYCRR 200.7**

**Replaced by Condition(s) 1-2**

**Item 78.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: STS

Emission Source: AXBRN

**Item 78.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

AS ALTERNATIVE TO NATURAL GAS, THE FACILITY IS ALLOWED TO COMBUST PROPANE GAS IN THE AUXILIARY BURNERS IN EACH FURNACE IN THE TOTAL AMOUNT NOT TO EXCEED THE LIMIT SHOWN IN THIS CONDITION. THE USAGE OF THE FUEL SHALL BE METERED WITH RECORD KEPT AND REPORTED IN THE ANNUAL REPORT TO THE DEPARTMENT.

THE FACILITY IS LIMITED TO EITHER 109,500,000 CUBIC FEET PER YEAR OF NATURAL GAS OR THE AMOUNT OF PROPANE GAS SHOWN BELOW. COMBINING TO THE TWO IS NOT ALLOWED.

Parameter Monitored: PROPANE

Upper Permit Limit: 1203627 gallons per year

Monitoring Frequency: CONTINUOUS

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 79: Compliance Certification**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**



**Applicable Federal Requirement:40CFR 60, NSPS Subpart Db**

**Expired by Mod 1**

**Item 79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-MBMWC

Process: STS

Emission Source: AXBRN

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY SHALL NOT HAVE AN ANNUAL CAPACITY FACTOR FOR COAL, OIL, NATURAL GAS, PROPANE GAS OR ANY AUXILIARY FUEL OR A MIXTURE OF THOSE FULES AS DEFINED IN 40 CFR 60, SUBPART Db, OF 10% OR MORE.

Reference Test Method: Not Applicable

Monitoring Frequency: ANNUALLY

Averaging Method: CALENDAR YEAR AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2006.

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

**Condition 1-37: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 60.33b(a)(1)(i), NSPS Subpart Cb**

**Item 1-37.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC

Process: MW1

Emission Point: 00001

Emission Source: 000BH

Emission Unit: 1-MBMWC

Process: MW1

Emission Point: 00001

Emission Source: 00ACI

Emission Unit: 1-MBMWC

Process: MW1

Emission Point: 00001

Emission Source: 00MWC

Emission Unit: 1-MBMWC

Process: MW1

Emission Point: 00001

Emission Source: 00SDA

Emission Unit: 1-MBMWC

Process: MW1

Emission Point: 00001

Emission Source: 0SNCR

Emission Unit: 1-MBMWC

Emission Point: 00001



Process: MW1	Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-37.2:**

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 particulate matter not to exceed 25 milligrams 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: 25 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40 CFR 60 App A RM5

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 1-38: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb**

**Replaces Condition(s) 37**

**Item 1-38.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC	Emission Point: 00002



Process: MW2	Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-38.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The emission limit for opacity exhibited by the gases discharged to the atmosphere from a designated facility must not exceed 10 percent (6-minute average). Compliance with this limit shall be demonstrated using a continuous opacity monitor (COM) operated in accordance with a quality assurance/ quality control protocol approved by the Department.

Parameter Monitored: OPACITY  
Upper Permit Limit: 10 percent  
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 1-39: Compliance Certification**  
**Effective for entire length of Permit**

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



**Replaces Condition(s) 38**

**Item 1-39.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA



Emission Unit: 1-MBMWC                      Emission Point: 00003  
Process: MW3                                      Emission Source: 2AXBR

Emission Unit: 1-MBMWC                      Emission Point: 00003  
Process: MW3                                      Emission Source: 2SNCR

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

**Item 1-39.2:**

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 1-40: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 40**

**Item 1-40.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC                      Emission Point: 00001  
Process: MW1                                      Emission Source: 000BH

Emission Unit: 1-MBMWC                      Emission Point: 00001  
Process: MW1                                      Emission Source: 00ACI



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007439-97-6	MERCURY

**Item 1-40.2:**

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 1-41: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 41**

**Item 1-41.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 0SNCR



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-41.2:**

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 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% O<sub>2</sub>, 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 1-42: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-42.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC	Emission Point: 00002



Process: MW2	Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007439-92-1	LEAD

**Item 1-42.2:**

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 lead not to exceed 400 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: 400 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 1-43: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-43.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20ACI

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20MWC

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for sulfur dioxide not to exceed 29 parts per million by volume or 25 percent of the potential sulfur dioxide emission concentration (75-percent reduction by weight or volume), corrected to 7 percent oxygen (dry basis). Compliance with these limits is based on a 24-hour daily geometric mean. To demonstrate compliance with the emission limit the owner or operator of the facility shall install, calibrate, maintain and operate a continuous emissions monitor for sulfur dioxide according to a QA/QC plan approved by the Department.

Upper Permit Limit: 29 parts per million by volume (dry, corrected to 7% O<sub>2</sub>)

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 1-44: Compliance Certification  
Effective for entire length of Permit**

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

**Item 1-44.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC	Emission Point: 00003



Process: MW3

Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007647-01-0

HYDROGEN CHLORIDE

**Item 1-44.2:**

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 hydrogen chloride not to exceed 29 part per million by volume, corrected to 7 percent oxygen (dry basis) or, an 95 percent reduction by weight or volume of the potential hydrogen chloride 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: 29 parts per million by volume (dry, corrected to 7% O2)

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 1-45: Compliance Certification  
Effective for entire length of Permit**

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

**Item 1-45.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC

Emission Point: 00001



Process: MW1	Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

**Item 1-45.2:**

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 hydrogen chloride not to exceed 29 part per million by volume, corrected to 7 percent oxygen (dry basis) or, an 95 percent reduction by weight or volume of the potential hydrogen chloride 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: 95 percent reduction by weight or volume (corrected to 7% O<sub>2</sub>, dry basis)

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 1-46: Compliance Certification  
 Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb**

**Item 1-46.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 001746-01-6	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

**Item 1-46.2:**

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% O<sub>2</sub>)

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 1-47: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 48**

**Item 1-47.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-47.2:**

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.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-48: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-48.1:**

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

**Item 1-48.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

An affected municipal waste combustor unit may not be operated at a steam load level exceeding 110 percent of the maximum demonstrated municipal waste combustor unit load (highest 4-hour block arithmetic average unit steam load, measured in pounds per hour) reached during the most recent performance test where compliance with the dioxin/furan emission limit was demonstrated) 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 municipal waste combustor unit load limit is applicable.

(2) The municipal waste combustor unit load limit 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 municipal waste combustor unit load limit continues to apply, and remains enforceable, until and unless the Department grants the waiver.

Parameter Monitored: STEAM OUTPUT

Upper Permit Limit: 110 percent

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 1-49: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 49**

**Item 1-49.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC

Emission Point: 00001



Process: MW1	Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR



**Item 1-49.2:**

Compliance Certification shall include the following monitoring:

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 1-50: Operating Manual**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 26**

**Item 1-50.1:**

This Condition applies to:

Emission Unit: 1MBMWC      Emission Point: 00001  
Process: MW1                  Emission Source: 000BH



Emission Unit: 1MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 00ACI
Emission Unit: 1MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 00SDA
Emission Unit: 1MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 0SNCR
Emission Unit: 1MBMWC	Emission Point: 00001
Process: MW1	Emission Source: AXBRN
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 100BH
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 10ACI
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 10MWC
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 10SDA
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 1AXBR
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 1SNCR
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 200BH
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20ACI
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20MWC
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20SDA
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2AXBR
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2SNCR

**Item 1-50.1:**

This Condition applies to Emission Unit: 1-MBMWC Emission Point: 00001  
Process: MW1  
00MWC

Emission Source:



**Item 1-50.2.3:**

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

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

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

(1) Initial training shall be completed by the date prior to the day when the person assumes responsibilities affecting municipal waste combustor unit operation, and

(2) Annually, following the initial training.

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

**Condition 1-51: Operator Training**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 28**

**Item 1-51.1:**

This Condition applies to:

Emission Unit: 1MBMWC      Emission Point: 00001  
Process: MW1                  Emission Source: 000BH

Emission Unit: 1MBMWC      Emission Point: 00001  
Process: MW1                  Emission Source: 00ACI





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.

**Condition 1-52: Compliance Certification  
Effective for entire length of Permit**

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

**Replaces Condition(s) 27, 29**

**Item 1-52.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-52.2:**

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

**Condition 1-53: Compliance and performance testing.  
Effective for entire length of Permit**

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

**Replaces Condition(s) 31**

**Item 1-53.1:**

This Condition applies to:

Emission Unit: 1MBMWC      Emission Point: 00001



Process: MW1	Emission Source: 000BH
Emission Unit: 1MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 00ACI
Emission Unit: 1MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 00SDA
Emission Unit: 1MBMWC	Emission Point: 00001
Process: MW1	Emission Source: 0SNCR
Emission Unit: 1MBMWC	Emission Point: 00001
Process: MW1	Emission Source: AXBRN
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 100BH
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 10ACI
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 10MWC
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 10SDA
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 1AXBR
Emission Unit: 1MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 1SNCR
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 200BH
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20ACI
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20MWC
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 20SDA
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2AXBR
Emission Unit: 1MBMWC	Emission Point: 00003
Process: MW3	Emission Source: 2SNCR

**Item 1-53.1:**

This Condition applies to Emission Unit: 1-MBMWC Emission Point: 00001  
Process: MW1

Emission Source:



00MWC

**Item 1-53.2:**

The Permittee shall meet the compliance and performance testing requirements listed in 40 CFR 60.58b as amended on May 10, 2006, as applicable, to determine compliance with the limits specified in this permit.

**Item 1-53.3.4:**

If the MWC achieves a dioxin/furan emission level less than or equal to 15 nanograms per dry standard cubic meter total mass, corrected to 7 percent oxygen, the alternative performance testing schedule for dioxins/furans specified in 40 CFR 60.58b(g)(5)(iii) may be used.



**STATE ONLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**

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

**Condition 80: Contaminant List**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:ECL 19-0301**

**Item 80.1:**

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

CAS No: 001746-01-6

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

CAS No: 007664-41-7



Name: AMMONIA

CAS No: 007440-38-2

Name: ARSENIC

CAS No: 007440-41-7

Name: BERYLLIUM

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 000050-00-0

Name: FORMALDEHYDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007664-39-3

Name: HYDROGEN FLUORIDE

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: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 001336-36-3

Name: POLYCHLORINATED BIPHENYL

CAS No: 130498-29-2

Name: POLYCYCLIC AROMATIC HYDROCARBONS



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

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

CAS No: 007440-62-2  
Name: VANADIUM

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

CAS No: 007440-66-6  
Name: ZINC

**Condition 82: Facility Permissible Emissions**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 201-7**

**Expired by Mod 1**  
**Applicaton Specific Data**

**Condition 84: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 219-7.2**

**Expired by Mod 1**

**Item 84.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 84.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen). Annual compliance is based on the average of the annual stack tests on each municipal waste combustor (MWC) unit at the facility using the stack testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm or 85% reduction of mercury, whichever is less stringent.



Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively. Compliance with this requirement is required within one year of the effective date of the regulation (i.e., by 10/30/03). Initial compliance testing must take place within 180 days of the compliance date of the regulation (i.e., by 4/30/04).

Four years after the effective date of this Subpart the averaging of the annual stack tests across all incinerators at the facility will end and each of the facility's incinerators must be in compliance with the emission limit of 28 ug/dscm (corrected to seven percent oxygen) or 85 percent removal, whichever is less stringent.

Upper Permit Limit: 85 percent reduction by weight

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 85: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 219-7.2**

**Expired by Mod 1**

**Item 85.1:**

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

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 85.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen). Annual compliance is based on the average of the annual stack tests on each municipal waste combustor (MWC) unit at the facility using the stack testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm or 85%



reduction of mercury, whichever is less stringent.

Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively. Compliance with this requirement is required within one year of the effective date of the regulation (i.e., by 10/30/03). Initial compliance testing must take place within 180 days of the compliance date of the regulation (i.e., by 4/30/04).

Four years after the effective date of this Subpart the averaging of the annual stack tests across all incinerators at the facility will end and each of the facility's incinerators must be in compliance with the emission limit of 28 ug/dscm (corrected to seven percent oxygen) or 85 percent removal, whichever is less stringent.

Parameter Monitored: MERCURY

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

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-54: Compliance Demonstration Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaces Condition(s) 91**

**Item 1-54.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-54.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of polychlorinated biphenyl from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at



interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 23 or any equivalent acceptable to the Commissioner.

Parameter Monitored: POLYCHLORINATED BIPHENYL

Upper Permit Limit: 3.88E+03 nanograms per dry standard cubic meter (corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-55: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaces Condition(s) 95**

**Item 1-55.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-55.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of arsenic from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 29.

Parameter Monitored: ARSENIC

Upper Permit Limit: 1.2E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-56: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaces Condition(s) 90**

**Item 1-56.1:**

The Compliance Demonstration activity will be performed for the facility:



The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

Regulated Contaminant(s):

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

**Item 1-56.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of nickel from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC using 40 CFR 60, Appendix A, Method 29.

Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS

Upper Permit Limit: 8.2E-04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-57: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaces Condition(s) 89**

**Item 1-57.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 0SNCR

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: AXBRN

Emission Unit: 1-MBMWC

Emission Point: 00002



Process: MW2	Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007439-96-5	MANGANESE

**Item 1-57.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of manganese from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 29.

Parameter Monitored: MANGANESE

Upper Permit Limit: 8.6E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-58: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaces Condition(s) 98**

**Item 1-58.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC	Emission Point: 00003



Process: MW3	Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

**Item 1-58.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions from each flue shall not exceed 50 ppm<sub>dv</sub> based on 3-hour running average. Compliance shall be based on stack testing at interval specified by NYSDEC, using USEPA draft method for the subject pollutant or equivalent method acceptable to the Commissioner.

Parameter Monitored: AMMONIA

Upper Permit Limit: 50 parts per million by volume (dry,  
corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Ref Test Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-59: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaces Condition(s) 96**

**Item 1-59.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007664-41-7	AMMONIA

**Item 1-59.2:**

Compliance Demonstration shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall operate and maintain an ammonia selective non-catalytic NOx reduction system for the control of NOx emission from each furnace. For the purpose of providing operating flexibility to the facility, the maximum range of ammonia injection shall not exceed 50 pounds per hour. However, the operating range is subject to change at the Department's sole discretion should operating within this range allow or cause exceedences of any pertinent laws, regulations or standards. Should exceedences occur, the facility will be required to inject ammonia between a range of 17 and 25 pounds per hour.

Record keeping of ammonia injection shall be maintained at the site for Department review and any excursion of the value shall be reported to the Regional Air Pollution Control Engineer in the quarterly excess emission report.

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-60: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaces Condition(s) 101**

**Item 1-60.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 0SNCR

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: AXBRN



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-60.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of formaldehyde from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 266, Appendix IX, Method 0011 or equivalent method acceptable to the Commissioner.

Parameter Monitored: FORMALDEHYDE

Upper Permit Limit: 1.03E+05 nanograms per dry standard cubic meter (corrected to 7% O<sub>2</sub>)



Reference Test Method: Method 0011

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-61: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaces Condition(s) 88**

**Item 1-61.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC	Emission Point: 00003



Process: MW3	Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

**Item 1-61.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Record keeping / reporting requirements

A. A manual or continuous record keeping shall be made of the following parameters:

- steam temperature in degrees Fahrenheit, steam pressure in pounds per square inch, and steam flow in pounds per hour;
- hourly auxiliary fuel use per furnace;
- the hourly average pressure drop across each module and also across the inlet and outlet of the entire baghouse in inches of water;
- number of compartment in use of the baghouse, hourly;
- the hourly average temperature at both inlet and outlet of the baghouse in degrees Fahrenheit;
- the hourly average pressure drop across acid gas removal device;
- water in gallons per hour and reagent chemicals in pounds per hour use in the acid gas removal device; and
- the total throughput for each month and the calendar year-to-date total of waste combusted must be reported to the department on a monthly basis.

B. The permittee shall maintain the records and summaries of measurement as listed above (except the waste throughput) and shall produce upon request by the Department representative. Throughput shall be reported as specified above.

C. Emissions in excess of the limits or not in accordance with the requirements set forth in this permit



shall be reported by telephone to the NYSDEC Regional Air Pollution Control Engineer as soon as possible during normal working hours, but in any event not later than forty eight hours of becoming aware of such occurrence, followed by written confirmation, along with a program for immediate correction.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-62: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaces Condition(s) 92**

**Item 1-62.1:**

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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS

**Item 1-62.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of polycyclic aromatic hydrocarbons (PAH) including benzo [a] pyrene) from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 23 or any equivalent acceptable to the Commissioner.

Parameter Monitored: POLYCYCLIC AROMATIC HYDROCARBONS

Upper Permit Limit: 8.77E+03 nanograms per dry standard  
cubic meter (corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-63: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaces Condition(s) 94**

**Item 1-63.1:**



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

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR



Emission Unit: 1-MBMWC      Emission Point: 00003  
Process: MW3                      Emission Source: 2SNCR

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

**Item 1-63.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of zinc from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC using 40 CFR 60, Appendix A, Method 29.

Parameter Monitored: ZINC

Upper Permit Limit: 8.6E-02 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-64: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaces Condition(s) 100**

**Item 1-64.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC      Emission Point: 00001  
Process: MW1                      Emission Source: 000BH

Emission Unit: 1-MBMWC      Emission Point: 00001  
Process: MW1                      Emission Source: 00ACI

Emission Unit: 1-MBMWC      Emission Point: 00001  
Process: MW1                      Emission Source: 00MWC

Emission Unit: 1-MBMWC      Emission Point: 00001  
Process: MW1                      Emission Source: 00SDA

Emission Unit: 1-MBMWC      Emission Point: 00001  
Process: MW1                      Emission Source: 0SNCR

Emission Unit: 1-MBMWC      Emission Point: 00001  
Process: MW1                      Emission Source: AXBRN



Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

Regulated Contaminant(s):  
CAS No: 007440-47-3      CHROMIUM

**Item 1-64.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of chromium from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 29.

Parameter Monitored: CHROMIUM

Upper Permit Limit: 1.2E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-65: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaces Condition(s) 93**

**Item 1-65.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20ACI

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20MWC

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 20SDA

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007440-62-2 VANADIUM

**Item 1-65.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of vanadium from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC using 40 CFR 60, Appendix A, Method 29.

Parameter Monitored: VANADIUM

Upper Permit Limit: 2.0E-04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-66: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaces Condition(s) 97**

**Item 1-66.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC

Emission Point: 00001



Process: MW1	Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-66.2:**

Compliance Demonstration shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of total polychlorinated dibenzo-p-dioxins and polychlorinated dibenzo furans (tetro-octa homologue groups as well as associated 2,3,7,8 substituted congeners) expressed as 2,3,7,8 tetrachlorinated dibenzo-para-dioxin equivalent using "toxic equivalency factors" (TEQ) listed in 6 NYCRR Part 219-1.1(b)(2), from each furnace flue shall not exceed the limit shown in this condition. Compliance shall be based on stack testing at interval specified by NYSDEC, using method 0010 and 40 CFR 60, Appendix A, Method 23 or equivalent method acceptable to the Commissioner. The minimum sample time shall be 4 hours per test.

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

Upper Permit Limit: 0.61 nanograms per dry standard cubic meter (corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-67: Compliance Demonstration Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaces Condition(s) 99**

**Item 1-67.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00SDA

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 0SNCR

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: AXBRN

Emission Unit: 1-MBMWC

Emission Point: 00002



Process: MW2	Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR

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

**Item 1-67.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emissions of cadmium from each furnace flue shall not exceed the limit shown in this condition. The permittee shall also comply with the requirements of 40 CFR 60, Subpart Cb in accordance with the compliance schedule required by this permit.

Compliance shall be based on stack testing at interval specified by NYSDEC, using 40 CFR 60, Appendix A, Method 29.



Parameter Monitored: CADMIUM

Upper Permit Limit: 1.5E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

**Condition 86: Capping Monitoring Condition**  
Effective between the dates of 12/22/2005 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-7

Expired by Mod 1

**Item 86.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

**Item 86.2:**

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

**Item 86.3:**

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

**Item 86.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 86.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 86.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):



CAS No: 0NY998-00-0 VOC

**Item 86.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ANNUAL HYDROCARBON (NON-METHANE) AS ETHANE EMISSIONS FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. THE ANNUAL LIMITATION SHALL BE CALCULATED FROM THE STACK EMISSION TESTS CONDUCTED DURING THE CALENDER YEAR USING THE EPA METHOD SHOWN, ACCOUNTING FOR THE ACTUAL ON-LINE HOURS FOR EACH RESPECTIVE FURNACE.

RECORDS FOR DEMONSTRATION OF COMPLIANCE WITH THE VOC EMISSION LIMIT SHALL BE MAINTAINED ON SITE FOR FIVE YEARS. ANY EXCEEDANCES OF THE ALLOWABLE ANNUAL VOC EMISSION LIMITATION MUST BE REPORTED IN WRITING TO THE NYSDEC REGIONAL OFFICE WITHIN 10 WORKING DAYS OF THE EXCEEDANCE

Upper Permit Limit: 28 tons per year  
Reference Test Method: EPA Method 25 A  
Monitoring Frequency: ANNUALLY  
Averaging Method: ANNUAL TOTAL  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 87: Capping Monitoring Condition**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 201-7**

**Expired by Mod 1**

**Item 87.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

**Item 87.2:**

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

**Item 87.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating



hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 87.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 87.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 87.6:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Regulated Contaminant(s):

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

**Item 87.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

ANNUAL NOX EMISSIONS FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. THIS ANNUAL LIMITATION SHALL BE DERIVED FROM THE HOURLY MASS EMISSIONS RATE COMPUTED BY THE FACILITY CONTINUOUS EMISSION MONITORING SYSTEM (CEMS), ACCOUNTING THE ACTUAL ON-LINE HOURS FOR EACH RESPECTIVE FURNACE.

RECORDS FOR DEMONSTRATION OF COMPLIANCE WITH THE NOX EMISSION LIMIT SHALL BE MAINTAINED ON SITE FOR FIVE YEARS. THESE RECORDS SHALL INCLUDE I) MASS EMISSIONS TOTALED OVER EACH 24-HOUR DAILY PERIOD (THE TOTAL OF HOURLY AVERAGES 12:00 MIDNIGHT TO THE FOLLOWING MIDNIGHT), AND II) THE TOTAL MASS EMISSIONS OVER A 365 DAY PERIOD. ANY EXCEEDANCES OF THE ALLOWABLE ANNUAL NOX EMISSION LIMITATION MUST BE REPORTED IN WRITING TO THE NYSDEC REGIONAL OFFICE WITHIN 10 WORKING DAYS OF THE EXCEEDANCE.

Manufacturer Name/Model Number: Thermo Environmental 10S



Upper Permit Limit: 206 tons per year  
Reference Test Method: 40CFR60, App B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2006.  
Subsequent reports are due every 3 calendar month(s).

**Condition 88: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-61**

**Item 88.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

**Item 88.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

RECORD KEEPING / REPORTING  
REQUIREMENTS

A. A MANUAL OR CONTINUOUS RECORD  
KEEPING SHALL BE MADE OF THE FOLLOWING  
PARAMETERS:

- STEAM TEMPERATURE IN DEGREES  
FAHRENHEIT, STEAM PRESSURE IN POUNDS PER  
SQUARE INCH, AND STEAM FLOW IN POUNDS PER  
HOUR;
- HOURLY AUXILIARY FUEL USE PER  
FURNACE;
- THE HOURLY AVERAGE PRESSURE DROP ACROSS  
EACH MODULE AND ALSO ACROSS THE INLET AND  
OUTLET OF THE ENTIRE BAGHOUSE IN INCHES  
OF WATER;
- NUMBER OF COMPARTMENT IN USE OF THE  
BAGHOUSE, HOURLY;
- THE HOURLY AVERAGE TEMPERATURE AT BOTH  
INLET AND OUTLET OF THE BAGHOUSE IN  
DEGREES FAHRENHEIT;
- THE HOURLY AVERAGE PRESSURE DROP ACROSS  
ACID GAS REMOVAL DEVICE;
- WATER IN GALLONS PER HOUR AND REAGENT  
CHEMICALS IN POUNDS PER HOUR USE IN THE  
ACID GAS REMOVAL DEVICE; AND
- THE TOTAL THROUGHPUT FOR EACH MONTH AND



THE CALENDAR YEAR-TO-DATE TOTAL OF WASTE COMBUSTED MUST BE REPORTED TO THE DEPARTMENT ON A MONTHLY BASIS.

B. THE PERMITTEE SHALL MAINTAIN THE RECORDS AND SUMMARIES OF MEASUREMENT AS LISTED ABOVE (EXCEPT THE WASTE THROUGHPUT) AND SHALL PRODUCE UPON REQUEST BY THE DEPARTMENT REPRESENTATIVE. THROUGHPUT SHALL BE REPORTED AS SPECIFIED ABOVE.

C. EMISSIONS IN EXCESS OF THE LIMITS OR NOT IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THIS PERMIT SHALL BE REPORTED BY TELEPHONE TO THE NYSDEC REGIONAL AIR POLLUTION CONTROL ENGINEER AS SOON AS POSSIBLE DURING NORMAL WORKING HOURS, BUT IN ANY EVENT NOT LATER THAN FORTY EIGHT HOURS OF BECOMING AWARE OF SUCH OCCURRENCE, FOLLOWED BY WRITTEN CONFIRMATION, ALONG WITH A PROGRAM FOR IMMEDIATE CORRECTION.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 89: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-57**

**Item 89.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007439-96-5 MANGANESE

**Item 89.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF MANGANESE FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING



40CFR60, APPENDIX A, METHOD 29.

Parameter Monitored: MANGANESE  
Upper Permit Limit: 8.6E-03 pounds per hour  
Reference Test Method: EPA Ref Method 29  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 90: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-56**

**Item 90.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 90.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF NICKEL FROM EACH  
FURNACE FLUE SHALL NOT EXCEED THE LIMIT  
SHOWN IN THIS CONDITION. COMPLIANCE  
SHALL BE BASED ON STACK TESTING AT  
INTERVAL SPECIFIED BY NYSDEC USING 40CFR  
60, APPENDIX A, METHOD 29.

Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS  
Upper Permit Limit: 8.2E-04 pounds per hour  
Reference Test Method: EPA Ref Method 29  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 91: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-54**

**Item 91.1:**

The Compliance Demonstration activity will be performed for:



Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 91.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF POLYCHLORINATED BIPHENYL FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING 40CFR60, METHOD 23 OR ANY EQUIVALENT ACCEPTABLE TO THE COMMISSIONER.

Parameter Monitored: POLYCHLORINATED BIPHENYL  
Upper Permit Limit: 3.88E+03 nanograms per dry standard cubic meter (corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Ref Method 23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 92: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-62**

**Item 92.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 92.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF POLYCYCLIC AROMATIC HYDROCARBONS (PAH) INCLUDING BENZO [a] PYRENE) FROM EACH FURNACE FLUE SHALL NOT



EXCEED THE LIMIT SHOWN IN THIS CONDITION.  
COMPLIANCE SHALL BE BASED ON STACK  
TESTING AT INTERVAL SPECIFIED BY NYSDEC,  
USING 40CFR60, METHOD 23 OR ANY  
EQUIVALENT ACCEPTABLE TO THE  
COMMISSIONER.

Parameter Monitored: POLYCYCLIC AROMATIC HYDROCARBONS

Upper Permit Limit: 8.77E+03 nanograms per dry standard  
cubic meter (corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Ref Method 23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 93: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-65**

**Item 93.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-62-2 VANADIUM

**Item 93.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF VANADIUM FROM EACH  
FURNACE FLUE SHALL NOT EXCEED THE LIMIT  
SHOWN IN THIS CONDITION. COMPLIANCE  
SHALL BE BASED ON STACK TESTING AT  
INTERVAL SPECIFIED BY NYSDEC USING 40CFR  
60, APPENDIX A, METHOD 29.

Parameter Monitored: VANADIUM

Upper Permit Limit: 2.0E-04 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 94: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**



**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-63**

**Item 94.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-66-6      ZINC

**Item 94.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF ZINC FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC USING 40CFR 60, APPENDIX A, METHOD 29.

Parameter Monitored: ZINC

Upper Permit Limit: 8.6E-02 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 95:      Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-55**

**Item 95.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-38-2      ARSENIC

**Item 95.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



THE EMISSIONS OF ARSENIC FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING 40CFR60, APPENDIX A, METHOD 29.

Parameter Monitored: ARSENIC

Upper Permit Limit: 1.2E-03 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 96: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-59**

**Item 96.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

**Item 96.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITTEE SHALL OPERATE AND MAINTAIN AN AMMONIA SELECTIVE NON-CATALYTIC NO<sub>x</sub> REDUCTION SYSTEM FOR THE CONTROL OF NO<sub>x</sub> EMISSION FROM EACH FURNACE. FOR THE PURPOSE OF PROVIDING OPERATING FLEXIBILITY TO THE FACILITY, THE MAXIMUM RANGE OF AMMONIA INJECTION SHALL NOT EXCEED 50 POUNDS PER HOUR. HOWEVER, THE OPERATING RANGE IS SUBJECT TO CHANGE AT THE DEPARTMENT'S SOLE DISCRETION SHOULD OPERATING WITHIN THIS RANGE ALLOW OR CAUSE EXCEEDENCES OF ANY PERTINENT LAWS, REGULATIONS OR STANDARDS. SHOULD EXCEEDENCES OCCUR, THE FACILITY WILL BE REQUIRED TO INJECT AMMONIA BETWEEN A RANGE OF 17 AND 25 POUNDS PER HOUR.



RECORD KEEPING OF AMMONIA INJECTION SHALL BE MAINTAINED AT THE SITE FOR DEPARTMENT REVIEW AND ANY EXCURSION OF THE VALUE SHALL BE REPORTED TO THE REGIONAL AIR POLLUTION CONTROL ENGINEER IN THE QUARTERLY EXCESS EMISSION REPORT.

Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-HOUR ROLLING AVERAGE  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 97: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-66**

**Item 97.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 97.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF TOTAL POLYCHLORINATED DIBENZO-P-DIOXINS AND POLYCHLORINATED DIBENZO FURANS (TETRO-OCTA HOMOLOGUE GROUPS AS WELL AS ASSOCIATED 2,3,7,8 SUBSTITUTED CONGENERS) EXPRESSED AS 2,3,7,8 TETRACHLORINATED DIBENZO-PARA-DIOXIN EQUIVALENT USING "TOXIC EQUIVALENCY FACTORS" (TEQ) LISTED IN 6NYCRR PART 219-1.1(b)(2), FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING METHOD 0010 AND 40CFR60, APPENDIX A, METHOD 23 OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER. THE MINIMUM SAMPLE TIME SHALL BE 4 HOURS PER TEST.

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

Upper Permit Limit: 0.61 nanograms per dry standard  
cubic meter (corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Ref Method 23



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 98: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-58**

**Item 98.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC  
Process: MSW

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

**Item 98.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

AMMONIA EMISSIONS FROM EACH FLUE SHALL NOT EXCEED 50 ppm<sub>dv</sub> BASED ON 3-HOUR RUNNING AVERAGE. COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING USEPA DRAFT METHOD FOR THE SUBJECT POLLUTANT OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER.

Parameter Monitored: AMMONIA

Upper Permit Limit: 50 parts per million by volume (dry,  
corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Draft

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 99: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-67**

**Item 99.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC



Process: MSW

Regulated Contaminant(s):

CAS No: 007440-43-9      CADMIUM

**Item 99.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF CADMIUM FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS OF 40CFR60, SUBPART Cb IN ACCORDANCE WITH THE COMPLIANCE SCHEDULE REQUIRED BY THIS PERMIT.

COMPLIANCE SHALL BE BASED ON STACK TESTING AT INTERVAL SPECIFIED BY NYSDEC, USING 40CFR60, APPENDIX A, METHOD 29.

Parameter Monitored: CADMIUM

Upper Permit Limit: 1.5E-03 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 100: Compliance Demonstration**

**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement: 6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-64**

**Item 100.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 007440-47-3      CHROMIUM

**Item 100.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF CHROMIUM FROM EACH FURNACE FLUE SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION. COMPLIANCE SHALL BE BASED ON STACK TESTING AT



INTERVAL SPECIFIED BY NYSDEC, USING  
40CFR60, APPENDIX A, METHOD 29.

Parameter Monitored: CHROMIUM

Upper Permit Limit: 1.2E-03 pounds per hour

Reference Test Method: EPA Ref Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 101: Compliance Demonstration**  
**Effective between the dates of 12/22/2005 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 617.11(d)**

**Replaced by Condition(s) 1-60**

**Item 101.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-MBMWC

Process: MSW

Regulated Contaminant(s):

CAS No: 000050-00-0 FORMALDEHYDE

**Item 101.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE EMISSIONS OF FORMALDEHYDE FROM EACH  
FURNACE FLUE SHALL NOT EXCEED THE LIMIT  
SHOWN IN THIS CONDITION. COMPLIANCE  
SHALL BE BASED ON STACK TESTING AT  
INTERVAL SPECIFIED BY NYSDEC, USING  
40CFR266, APPENDIX IX, METHOD 0011 OR  
EQUIVALENT METHOD ACCEPTABLE TO THE  
COMMISSIONER.

Parameter Monitored: FORMALDEHYDE

Upper Permit Limit: 1.03E+05 nanograms per dry standard  
cubic meter (corrected to 7% O<sub>2</sub>)

Reference Test Method: METHOD 0011

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-68: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 219-7.2**



**Item 1-68.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 000BH
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00ACI
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00MWC
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA



Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2AXBR

Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

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

**Item 1-68.2:**

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 1-69: Compliance Demonstration  
Effective for entire length of Permit**

**Applicable State Requirement: 6 NYCRR 219-7.2**

**Item 1-69.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00MWC



Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 00SDA
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: 0SNCR
Emission Unit: 1-MBMWC Process: MW1	Emission Point: 00001 Emission Source: AXBRN
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 100BH
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10ACI
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10MWC
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 10SDA
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1AXBR
Emission Unit: 1-MBMWC Process: MW2	Emission Point: 00002 Emission Source: 1SNCR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 200BH
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20ACI
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20MWC
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 20SDA
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2AXBR
Emission Unit: 1-MBMWC Process: MW3	Emission Point: 00003 Emission Source: 2SNCR
Regulated Contaminant(s): CAS No: 007439-97-6	MERCURY

**Item 1-69.2:**

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% O<sub>2</sub>, 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).

New York State Department of Environmental Conservation

Permit ID: 1-4726-00790/00004

Facility DEC ID: 1472600790

