



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 1-4726-00790/00004  
Effective Date: 07/13/2011 Expiration Date: 07/12/2016

Permit Issued To: COVANTA HUNTINGTON, LLC  
99 TOWN LINE RD  
EAST NORTHPORT, NY 11731

TOWN OF HUNTINGTON  
100 MAIN ST  
HUNTINGTON, NY 11743

Contact: ALFRED TARSITANO  
Covanta Holding Corporation  
445 SOUTH ST  
MORRISTOWN, NJ 07960  
(862) 345-5016

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

Contact: SCOTT WHEELER  
COVANTA HUNTINGTON, LP  
99 TOWN LINE RD  
EAST NORTHPORT, NY 11731-3929  
(631) 754-1100

Description:

Description:

**NATURE OF THE BUSINESS AT THE FACILITY:**

The Huntington Resource Recovery Facility (facility) located in East Northport, New York is a waste-to-energy facility consisting of three mass burn waterwall type municipal waste combustors with a nominal design capacity of 250 tons per day each. The facility combusts municipal solid wastes which include nonhazardous residential, commercial and governmental and/or institutional wastes, the combustible portion of construction and demolition (C&D) debris, nonhazardous industrial waste stream as approved by NYSDEC on a case by case basis. The heat generated in the combustion process is utilized to produce electricity.

(Primary SIC) - 4953

**TYPE OF EQUIPMENT AND OPERATIONS AT THE FACILITY:**

The facility is equipped with a 27.5 megawatt turbine generator. Air pollution control equipment at the facility includes dry scrubbers for acid gas control, fabric filters for



particulate removal, and a selective non-catalytic reduction system for control of nitrogen oxides. In addition, the facility has selected to install carbon injection system to achieve full compliance with 40CFR60, Subpart Cb limits for mercury and dioxin. The facility employs a Continuous Emissions Monitoring System (CEMS) that provides continuous feed back on the effectiveness of the air pollution control equipment. The gas analyzers include oxides of nitrogen (NO<sub>x</sub>), sulfur dioxides (SO<sub>2</sub>), carbon monoxide (CO), oxygen (O<sub>2</sub>) and carbon dioxides (CO<sub>2</sub>). All three combustion train is equipped with separate flues that are vented through a common stack. The facility uses propane gas as an auxiliary fuel only in its base operating scenario. Auxiliary fuel is used during start-up, shut down and malfunction modes to maintain the minimum required combustion zone temperature and residence time.

**AIR PERMIT APPLICABILITY:**

The facility was originally permitted in April 1989 based on 6NYCRR Part 201 - Permits, federal regulation 40CFR52-A.21(j)(2) - Prevention of Significant Deterioration (PSD) arose from the reviews of PSD of air quality and Best Available Control Technology (BACT), 6NYCRR Part 219 - Incineration, 6NYCRR Part 231 - New Source Review in Nonattainment Areas arose from reviews of Lowest Achievable Emission Rate (LAER), and 6NYCRR Part 617 - State Environmental Quality Review. Based on Compliance Schedule included in this permit, the facility will be subjected federal regulation 40CFR60, Subpart Cb - Emission Guidelines and Compliance Schedules for Existing Municipal Waste Combustors.

**OCCURRENCE OF CAPPING:**

This permit includes a waste throughput capped at 350,400 tons per years. The Co-Permittees have accepted permit limitations to include maximum annual emissions for NO<sub>x</sub> and Volatile Organic Compounds (VOC) to ensure that the increase in throughput will not be subjected 6NYCRR Part 231-2 - New Source Review for Nonattainment Areas under the provision of a Source Project.

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

Permit Administrator:            ROGER EVANS  
   NYSDEC - REGION 1 SUNY @ STONY BROOK  
   50 CIRCLE RD  
   STONY BROOK, NY 11790-3409

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



**Notification of Other State Permittee Obligations**

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

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

**Item B: Permittee's Contractors to Comply with Permit**

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

**Item C: Permittee Responsible for Obtaining Other Required Permits**

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

Submission of application for permit modification or renewal -

**REGION 1 HEADQUARTERS**



**DEC GENERAL CONDITIONS**

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

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

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

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Applicable State Requirement: ECL 3-0301 (2) (m)**

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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



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

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

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

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

**New York State Department of Environmental Conservation**

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

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

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99 TOWN LINE RD  
EAST NORTHPORT, NY 11731

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: 07/13/2011

Permit Expiration Date: 07/12/2016

SAPA Extended Begin Date: 07/13/2016



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 6 NYCRR 211.3: Visible Emissions Limited
- 21 40 CFR Part 68: Accidental release provisions.
- 22 40 CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6 NYCRR 200.3: False statement
- 24 6 NYCRR 200.7: Compliance Certification
- 25 6 NYCRR Subpart 201-6: Emission Unit Definition
- 26 6 NYCRR Subpart 201-7: Facility Permissible Emissions
- \*27 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- \*28 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 29 6 NYCRR 202-1.3: Acceptable procedures
- 30 6 NYCRR 231-2.5: Compliance Certification
- 31 40 CFR 52.21, Subpart A: Compliance Certification
- 32 40 CFR 52.21, Subpart A: Compliance Certification
- 33 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 34 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 35 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 36 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 37 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 38 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 39 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 40 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 41 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 42 40 CFR 52.21(j)(2), Subpart A: Compliance Certification
- 43 40 CFR 52.21(j)(2), Subpart A: Compliance Certification

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- 44 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 45 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 46 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 47 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 48 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 49 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 50 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 51 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 52 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 53 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 54 40 CFR Part 64: Compliance Certification

**Emission Unit Level**

- 55 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 56 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 57 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 58 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 59 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 60 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 61 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 62 40CFR 60.33b(a)(4), NSPS Subpart Cb: Compliance Certification
- 63 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 64 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 65 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 66 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 67 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 68 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 69 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

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

- 70 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 71 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 72 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

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

- 73 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 74 ECL 19-0301: Contaminant List
- 75 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 76 6 NYCRR 211.2: Air pollution prohibited
- 77 6 NYCRR 617.11 (d): Compliance Demonstration
- 78 6 NYCRR 617.11 (d): Compliance Demonstration
- 79 6 NYCRR 617.11 (d): Compliance Demonstration
- 80 6 NYCRR 617.11 (d): Compliance Demonstration
- 81 6 NYCRR 617.11 (d): Compliance Demonstration
- 82 6 NYCRR 617.11 (d): Compliance Demonstration
- 83 6 NYCRR 617.11 (d): Compliance Demonstration
- 84 6 NYCRR 617.11 (d): Compliance Demonstration
- 85 6 NYCRR 617.11 (d): Compliance Demonstration
- 86 6 NYCRR 617.11 (d): Compliance Demonstration
- 87 6 NYCRR 617.11 (d): Compliance Demonstration

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- 88 6 NYCRR 617.11 (d): Compliance Demonstration
- 89 6 NYCRR 617.11 (d): Compliance Demonstration
- 90 6 NYCRR 617.11 (d): Compliance Demonstration

**Emission Unit Level**

- 91 6 NYCRR 219-7.2: Compliance Demonstration
- 92 6 NYCRR 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: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 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 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 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 C: Certification by a Responsible Official - 6 NYCRR 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 D: Requirement to Comply With All Conditions - 6 NYCRR 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 E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 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

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reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 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 G: Property Rights - 6 NYCRR 201-6.5 (a) (6)**

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

**Item H: Severability - 6 NYCRR 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 I: Permit Shield - 6 NYCRR 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

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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 J: Reopening for Cause - 6 NYCRR 201-6.5 (i)**

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

i. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 therequirement is later than the date on which the 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 section 201- 6.6 of this Subpart.

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

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

**Item K: 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 L: Federally Enforceable Requirements - 40 CFR 70.6 (b)**

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

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

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

**Condition 1: Acceptable Ambient Air Quality  
Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 6 NYCRR 200.6**

**Item 1.1:**

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

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Condition 2: Fees**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 2.1:**

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

**Condition 3: Recordkeeping and reporting of compliance monitoring**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 3.1:**

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

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

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

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

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 4.1:**

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

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**Condition 5: Compliance Certification**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

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report required above.

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

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

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate

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whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 6: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due on the same day each year

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**Condition 7: Compliance Certification**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 202-2.1**

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 202-2.5**

**Item 8.1:**

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

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

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

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

**Condition 9: Open Fires - Prohibitions**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 215.2**

**Item 9.1:**

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

**Item 9.2**

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of

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this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.

- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.**

**[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment  
Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement: 6 NYCRR 200.7**

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**Item 10.1:**

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

**Condition 11: Recycling and Salvage**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 201-1.7**

**Item 11.1:**

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

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

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 12.1:**

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

**Condition 13: Exempt Sources - Proof of Eligibility**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 13.1:**

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

**Condition 14: Trivial Sources - Proof of Eligibility**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 14.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart.

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

**Condition 15: Standard Requirement - Provide Information**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 15.1:**

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

**Condition 16: General Condition - Right to Inspect**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 16.1:**

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

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

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

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

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

**Condition 17: Standard Requirements - Progress Reports**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 17.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by

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the department. Such progress reports shall contain the following:

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

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

**Condition 18: Off Permit Changes**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 18.1:**

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

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

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

**Condition 19: Required Emissions Tests**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 202-1.1**

**Item 19.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

**Condition 20: Visible Emissions Limited**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 211.3**

**Item 20.1:**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted

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burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**Condition 21: Accidental release provisions.**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 21.1:**

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

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

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

**Condition 22: Recycling and Emissions Reduction**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 82, Subpart F**

**Item 22.1:**

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

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

**Condition 23: False statement**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 200.3**

**Item 23.1:**

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No person shall make a false statement in connection with applications, plans, specifications and/or reports submitted pursuant to this Subchapter.

## Condition 24: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 200.7

### Item 24.1:

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

### Item 24.2:

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 of 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)

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Reports due 30 days after the reporting period.  
The initial report is due 1/30/2012.  
Subsequent reports are due every 12 calendar month(s).

**Condition 25: Emission Unit Definition**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

## Item 25.1:

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 HRRF may accept and process up to 60,000 gallons per day of landfill leachate as dilution water in the three spray dry absorbers.

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 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 until refuse is burned off the grates. Auxiliary fuel is also used during periods of upset and to maintain proper combustion.

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.

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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.

Building(s): 1

**Condition 26: Facility Permissible Emissions**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 26.1:**

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

Name: OXIDES OF NITROGEN

PTE: 1,236,000 pounds per year

CAS No: 0NY998-00-0

Name: VOC

PTE: 168,000 pounds per year

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**Condition 27: Capping Monitoring Condition**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 27.1:**

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:

6 NYCRR Subpart 231-2

**Item 27.2:**

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

**Item 27.3:**

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 27.4:**

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 27.5:**

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 27.6:**

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	Emission Point: 00001

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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
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

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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: 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: 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 27.7:

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 1-4726-00790/00004**

**Facility DEC ID: 1472600790**



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 emissions 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.

The initial report is due 10/30/2011.

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

**Condition 28: Capping Monitoring Condition**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 28.1:**

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:

6 NYCRR Subpart 231-2

**Item 28.2:**

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

**Item 28.3:**

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

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other state and federal air pollution control requirements, regulations or law.

## Item 28.4:

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 28.5:

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 28.6:

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: 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

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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
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: 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	Emission Point: 00002



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Permit ID: 1-4726-00790/00004

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Process: ST2 Emission Source: 1AXBR

Emission Unit: 1-MBMWC Emission Point: 00002  
Process: ST2 Emission Source: 1SNCR

Emission Unit: 1-MBMWC Emission Point: 00003  
Process: ST3 Emission Source: 200BH

Emission Unit: 1-MBMWC Emission Point: 00003  
Process: ST3 Emission Source: 20ACI

Emission Unit: 1-MBMWC Emission Point: 00003  
Process: ST3 Emission Source: 20MWC

Emission Unit: 1-MBMWC Emission Point: 00003  
Process: ST3 Emission Source: 20SDA

Emission Unit: 1-MBMWC Emission Point: 00003  
Process: ST3 Emission Source: 2AXBR

Emission Unit: 1-MBMWC Emission Point: 00003  
Process: ST3 Emission Source: 2SNCR

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

## Item 28.7:

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 29: Acceptable procedures

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Facility DEC ID: 1472600790



**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable Federal Requirement:6 NYCRR 202-1.3**

**Item 29.1:**

Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

**Condition 30: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 30.1:**

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 30.2:**

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 31: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

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**Permit ID: 1-4726-00790/00004**

**Facility DEC ID: 1472600790**



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall not burn more than 350,400 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 350,400 tons per 12-month rolling total and shall report to the Department, on a monthly basis, the facility's rolling 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,

Tons Received/Week = Tons of incoming municipal waste received at the tipping floor for that week.

$\pm$  Change in the Existing Inventory/Week = 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 total, the facility shall calculate the existing inventory, the tons of bulkies removed and the number of tons processed at the end of each month.

Auxiliary burners shall be operated at the following times:

1. Furnace start up prior to introduction of municipal solid waste into the 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 proper combustion.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

## DESCRIPTION

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 8/30/2011.

Subsequent reports are due every 1 calendar month(s).

### Condition 32: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

#### Item 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



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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 32.2:

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. Hydrogen Chloride
7. 2,3,7,8-Tetrachlorodibenzo-P-Dioxin
8. 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

CEMS are used rather than manual stack testing for items# 3,4,5.

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Alternating boiler Dioxin schedule may be used for items#  
7,8,12,13.

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 33: Compliance Certification**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

## Item 33.1:

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

Emission Unit: 1-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: 00NCR
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



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Emission Unit: 1-MBMWC	Emission Point: 00002
Process: MW2	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

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

## Item 33.2:

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. 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 34: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

## Item 34.1:

The Compliance Certification activity will be performed for the facility:

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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

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Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

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

**Item 34.2:**

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 35: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 35.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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

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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 35.2:

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

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Permit ID: 1-4726-00790/00004

Facility DEC ID: 1472600790



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 36: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

#### Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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

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**Facility DEC ID: 1472600790**



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

Regulated Contaminant(s):

CAS No: 00NY075-00-0 PARTICULATES

**Item 36.2:**

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% O<sub>2</sub>)

Reference Test Method: 40 CFR 60 App A RM5

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 37: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 37.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 000BH

Emission Unit: 1-MBMWC  
Process: MW1

Emission Point: 00001  
Emission Source: 00ACI

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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

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## Item 37.2:

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 38: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

## Item 38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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



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Emission Unit: 1-MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 10MWC

Emission Unit: 1-MBMWC	Emission Point: 00002
Process: MW2	Emission Source: 10SDA

Emission Unit: 1-MBMWC	Emission Point: 00002
Process: MW2	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

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

## Item 38.2:

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: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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Facility DEC ID: 1472600790



## Condition 39: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

### Item 39.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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



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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 39.2:

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 40: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

## Item 40.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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

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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 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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Facility DEC ID: 1472600790



## Monitoring Description:

Emissions from each flue shall not exceed the limit shown in this condition. Facility CEMS data is used for measuring compliance and is based on the average of three 1- hour runs. 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: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

## Condition 41: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

### Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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



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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 41.2:

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.

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The initial report is due 10/30/2011.  
Subsequent reports are due every 3 calendar month(s).

**Condition 42: Compliance Certification**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 42.1:**

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

Emission Unit: 1-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

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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: 0NY210-00-0      OXIDES OF NITROGEN

**Item 42.2:**

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% O<sub>2</sub>)

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.

The initial report is due 10/30/2011.

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

**Condition 43: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 43.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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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

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Process: MW3

Emission Source: 2SNCR

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:

SO<sub>2</sub> emissions from each flue shall not exceed 30 percent by weight of the uncontrolled SO<sub>2</sub> 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% O<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.

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.

The initial report is due 10/30/2011.

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

**Condition 44: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 44.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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

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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: 000630-08-0	CARBON MONOXIDE

## Item 44.2:

Compliance Certification shall include the following monitoring:

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Permit ID: 1-4726-00790/00004

Facility DEC ID: 1472600790



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% O<sub>2</sub>)

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.

The initial report is due 10/30/2011.

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

## Condition 45: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

### Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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: 00SNCR
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

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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

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

## Item 45.2:

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 201 or Methods 201A and 202.

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

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Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

## Condition 46: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

### Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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

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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 46.2:**

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 47: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 47.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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

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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 47.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO<sub>2</sub> emissions from each flue shall not exceed 90 ppm<sub>dv</sub> corrected to 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 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% O<sub>2</sub>)

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.

The initial report is due 10/30/2011.

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

**Condition 48: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 48.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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: 00SNCR

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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: 007439-92-1      LEAD

## Item 48.2:

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

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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 49: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

#### Item 49.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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

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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 49.2:**

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 10/30/2011.  
Subsequent reports are due every 3 calendar month(s).

**Condition 50: Compliance Certification**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

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## Item 50.1:

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

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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 50.2:

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.

The initial report is due 1/30/2012.

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

## Condition 51: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

## Item 51.1:

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

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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 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall comply with the reporting and

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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 8-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 8-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: 8-HOUR BLOCK - ARITHMETIC MEAN

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

## Condition 52: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

### Item 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

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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 52.2:**

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

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## DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

### Condition 53: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

#### Item 53.1:

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

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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

## Item 53.2:

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.

The initial report is due 1/30/2012.

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

## Condition 54: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable Federal Requirement: 40 CFR Part 64

## Item 54.1:

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

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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 54.2:

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

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(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 55: Emission Point Definition By Emission Unit**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 55.1:**

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 56: Process Definition By Emission Unit**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 56.1:**

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

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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: 00CIS - Control  
Control Type: ACTIVATED CARBON INJECTION

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

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

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

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 56.2:**

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

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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 56.3:**

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

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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 56.4:**

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 before introducing refuse into the furnace and during the transition period before the fires are fully sustained by

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the refuse. Propane gas is used as an auxiliary fuel during shutdown until refuse is burned off the grates. Auxiliary fuel is also used during periods of upset and to maintain proper combustion. 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 56.5:

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 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 until refuse is burned off the grates. Auxiliary fuel is also used during periods of upset and to maintain proper

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combustion. 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 56.6:

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 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 until refuse is burned off the grates. Auxiliary fuel is also used during periods of upset and to maintain proper combustion. 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

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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

**Condition 57: Compliance Certification**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Cb**

## Item 57.1:

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

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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 57.2:

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

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approved by the Department. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. 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)

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

## Condition 58: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

Cb

### Item 58.1:

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

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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 58.2:**

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.  
The initial report is due 10/30/2011.  
Subsequent reports are due every 3 calendar month(s).

**Condition 59: Compliance Certification**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

Cb

### Item 59.1:

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

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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 59.2:**

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. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. 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.

The initial report is due 1/30/2012.

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

**Condition 60: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 60.1:**

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

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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

**New York State Department of Environmental Conservation**

**Permit ID: 1-4726-00790/00004**

**Facility DEC ID: 1472600790**



**Item 60.2:**

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. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. 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)

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 61: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 61.1:**

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: 00NCR
Emission Unit: 1-MBMWC	Emission Point: 00001

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Process: MW1 Emission Source: AXBRN

Emission Unit: 1-MBMWC Emission Point: 00002  
Process: MW2 Emission Source: 100BH

Emission Unit: 1-MBMWC Emission Point: 00002  
Process: MW2 Emission Source: 10ACI

Emission Unit: 1-MBMWC Emission Point: 00002  
Process: MW2 Emission Source: 10MWC

Emission Unit: 1-MBMWC Emission Point: 00002  
Process: MW2 Emission Source: 10SDA

Emission Unit: 1-MBMWC Emission Point: 00002  
Process: MW2 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

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

## Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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 percent

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reduction limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. 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)

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

## Condition 62: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

### Item 62.1:

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: 00NCR
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

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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 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet an emission limit for 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. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. 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)

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

## Condition 63: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

Cb

### Item 63.1:

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

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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: 007446-09-5

SULFUR DIOXIDE

**Item 63.2:**

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.

The initial report is due 10/30/2011.

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

**Condition 64: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Cb**

**Item 64.1:**

The Compliance Certification activity will be performed for the facility:

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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

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Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

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

**Item 64.2:**

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. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. 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% O<sub>2</sub>)

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

**Condition 65: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Cb**

**Item 65.1:**

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

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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 65.2:

Compliance Certification shall include the following monitoring:

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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. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. 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.

The initial report is due 1/30/2012.

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

## Condition 66: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

Cb

### Item 66.1:

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

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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 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit which does not employ an electrostatic precipitator for emission controls is required to meet an emission concentration limit for dioxin/furan not to exceed 30 nanograms per dry standard cubic meter (total mass), corrected to 7 percent oxygen. Compliance with the limit will be determined by conducting a stack emission test according to a protocol and schedule

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approved by the Department. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. 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>)

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

## Condition 67: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

### Item 67.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-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: 00SNCR
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

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

## Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

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.

The initial report is due 10/30/2011.

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

## Condition 68: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

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## Item 68.1:

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

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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 68.2:**

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.

The initial report is due 1/30/2012.

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

**Condition 69: Compliance Certification**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

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## Item 69.1:

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

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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 69.2:**

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.

The initial report is due 1/30/2012.

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

**Condition 70: Operating Manual**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

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## Item 70.1:

This Condition applies to Emission Unit: 1-MBMWC Emission Point: 00001

Process: MW1

Emission

Source: 00MWC

## Item 70.2:

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 71: Operator Training

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

## Item 71.1:

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This Condition applies to Emission Unit: 1-MBMWC Emission Point: 00001

Process: MW1

Emission

Source: 00MWC

## Item 71.2:

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 72: Compliance Certification

Effective between the dates of 07/13/2011 and Permit Expiration Date

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

## Item 72.1:

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



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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 72.2:

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

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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

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**Condition 73: Compliance and performance testing.**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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

**Item 73.1:**

This Condition applies to Emission Unit: 1-MBMWC Emission Point: 00001

Process: MW1

Emission

Source: 00MWC

**Item 73.2:**

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 73.3:**

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: Emergency Defense - 6 NYCRR 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: 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

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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 74: Contaminant List**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement:ECL 19-0301**

**Item 74.1:**

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

CAS No: 000050-00-0

Name: FORMALDEHYDE

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 001336-36-3

Name: POLYCHLORINATED BIPHENYL

CAS No: 001746-01-6

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

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-96-5

Name: MANGANESE

CAS No: 007439-97-6

Name: MERCURY

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

CAS No: 007440-38-2  
Name: ARSENIC

CAS No: 007440-41-7  
Name: BERYLLIUM

CAS No: 007440-43-9  
Name: CADMIUM

CAS No: 007440-47-3  
Name: CHROMIUM

CAS No: 007440-62-2  
Name: VANADIUM

CAS No: 007440-66-6  
Name: ZINC

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

CAS No: 007647-01-0  
Name: HYDROGEN CHLORIDE

CAS No: 007664-39-3  
Name: HYDROGEN FLUORIDE

CAS No: 007664-41-7  
Name: AMMONIA

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

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

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

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

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

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

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**Condition 75: Unavoidable noncompliance and violations**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement: 6 NYCRR 201-1.4**

**Item 75.1:**

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

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

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

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

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

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

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malfunctions or upsets.

**Condition 76: Air pollution prohibited**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 76.1:**

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

**Condition 77: Compliance Demonstration**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 617.11 (d)**

**Item 77.1:**

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	Emission Point: 00002



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Process: MW2 Emission Source: 10SDA

Emission Unit: 1-MBMWC Emission Point: 00002  
Process: MW2 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

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

## Item 77.2:

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% 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 78: Compliance Demonstration**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

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## Applicable State Requirement:6 NYCRR 617.11 (d)

### Item 78.1:

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

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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 78.2:**

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 79: Compliance Demonstration**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement: 6 NYCRR 617.11 (d)**

**Item 79.1:**

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

Emission Point: 00001

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Process: MW1	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 79.2:

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

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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 80: Compliance Demonstration

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

### Item 80.1:

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

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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 80.2:**

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 81: Compliance Demonstration**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement: 6 NYCRR 617.11 (d)**

**Item 81.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

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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

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Process: MW3

Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

## Item 81.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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 82: Compliance Demonstration

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

## Item 82.1:

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

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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: 007664-41-7 AMMONIA

## Item 82.2:

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

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standards.

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 83: Compliance Demonstration

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

### Item 83.1:

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

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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 83.2:

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 84: Compliance Demonstration

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

## Item 84.1:

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

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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

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Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

**Item 84.2:**

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 or his designee as soon as possible during normal working hours, but in any event within two business days 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 85: Compliance Demonstration**

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Facility DEC ID: 1472600790



Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

## Item 85.1:

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

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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 85.2:**

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 86: Compliance Demonstration**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement:6 NYCRR 617.11 (d)**

**Item 86.1:**

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

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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: 007440-66-6	ZINC

## Item 86.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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Permit ID: 1-4726-00790/00004

Facility DEC ID: 1472600790



## 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 87: Compliance Demonstration

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

### Item 87.1:

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: 00SNCR
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

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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 87.2:

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 88: Compliance Demonstration

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

## Item 88.1:

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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	Emission Point: 00003

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Process: MW3

Emission Source: 2AXBR

Emission Unit: 1-MBMWC

Emission Point: 00003

Process: MW3

Emission Source: 2SNCR

Regulated Contaminant(s):

CAS No: 007440-62-2

VANADIUM

## Item 88.2:

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 89: Compliance Demonstration

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

## Item 89.1:

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

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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 89.2:

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 (tetra-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

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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% 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 90: Compliance Demonstration

Effective between the dates of 07/13/2011 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11 (d)

#### Item 90.1:

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: 00NCR
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



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

## Item 90.2:

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.

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

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

**Condition 91: Compliance Demonstration**  
**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement: 6 NYCRR 219-7.2**

### Item 91.1:

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

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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: 007439-97-6      MERCURY

**Item 91.2:**

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.

The initial report is due 1/30/2012.

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

**Condition 92: Compliance Demonstration**

**Effective between the dates of 07/13/2011 and Permit Expiration Date**

**Applicable State Requirement: 6 NYCRR 219-7.2**

**Item 92.1:**

The Compliance Demonstration activity will be performed for the facility:

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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

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Emission Unit: 1-MBMWC  
Process: MW3

Emission Point: 00003  
Emission Source: 2SNCR

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

**Item 92.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury 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.

The initial report is due 1/30/2012.

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