



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 9-2911-00113/00039
Mod 0 Effective Date: 06/05/2007 Expiration Date: 06/04/2012
Mod 1 Effective Date: 09/24/2007 Expiration Date: 06/04/2012
Mod 2 Effective Date: Expiration Date:

Permit Issued To: COVANTA NIAGARA LP
100 ENERGY BLVD
NIAGARA FALLS, NY 14304

Contact: WILLIAM T GLEASON
COVANTA NIAGARA LP
100 ENERGY BLVD @ 56TH ST
NIAGARA FALLS, NY 14304

Facility: COVANTA NIAGARA LP
100 ENERGY BLVD AT 56TH ST
NIAGARA FALLS, NY 14304

Description:

The site consists of two Deutsche Babcock Anlagen (DBA) furnace/boiler systems combusting solid wastes. One alternate fuels combustion system, one fossil fuel fired boiler and one fuel oil fired boiler system are also located at the site. The site has all other auxiliary equipment which is associated with a facility of this type, including but not limited to the following: an enclosed tipping hall, ash loadout area, cooling tower, and various storage areas. The high pressure steam which is produced in the boilers at the site is normally put through two extracting/condensing turbines to produce both electricity and extraction (low pressure) steam. The electricity is used to power the facility and the excess electricity is sold into the power grid. The low pressure steam that is produced in the extracting section of the turbine generator is sold to several neighboring industrial facilities. The oil fired burner is controlled by Covanta Niagara through a lease agreement. The major sources of emissions at the site are the two DBA boilers, alternate fuels boiler, two fossil-fueled fired boilers and ash loadout area. All other activities at the site are categorized as exempt, trivial or insignificant as defined in 6NYCRR Part 201-3.2, 201-3.3, and 201-6.3(d) 7, respectively.

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



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

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

Authorized Signature: _____ Date: ___ / ___ / _____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



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

Item 4.1:

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

Item 4.2:

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

Item 4.3:

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

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

Item 5.1:

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

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

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

Item 6.1:

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

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



permitted activity.

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

Condition 7: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.5(a)

Item 7.1:

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

NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165

Condition 8: Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.6(a)

Item 8.1:

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

NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: COVANTA NIAGARA LP
100 ENERGY BLVD
NIAGARA FALLS, NY 14304

Facility: COVANTA NIAGARA LP
100 ENERGY BLVD AT 56TH ST
NIAGARA FALLS, NY 14304

Authorized Activity By Standard Industrial Classification Code:
4939 - COMBINATION UTILITY SERVICES
4953 - REFUSE SYSTEMS

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 2-1 6NYCRR 200.6: Compliance Certification
- 2-2 6NYCRR 200.7: Compliance Certification
- 2-3 6NYCRR 200.7: Compliance Certification
- 2-4 6NYCRR 200.7: Compliance Certification
- 22 6NYCRR 201-6: Emission Unit Definition
- 2-5 6NYCRR 201-6: Compliance Certification
- 2-6 6NYCRR 201-6: Compliance Certification
- 2-7 6NYCRR 201-6: Compliance Certification
- 2-8 6NYCRR 201-6: Compliance Certification
- 2-9 6NYCRR 201-6: Compliance Certification
- 2-10 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-11 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-12 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-13 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-14 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-15 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-16 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-17 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-18 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-19 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-20 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-21 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 2-22 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 37 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 38 40CFR 60.35b, NSPS Subpart Cb: Operator Certification
- 39 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 2-23 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 40 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.
- 2-24 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 41 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification

Emission Unit Level

- 42 6NYCRR 201-6: Emission Point Definition By Emission Unit



43 6NYCRR 201-6: Process Definition By Emission Unit

EU=U-00001,Proc=MSW

- 44 6NYCRR 200.6: Compliance Certification
- 45 6NYCRR 200.7: Compliance Certification
- 46 6NYCRR 200.7: Compliance Certification
- 47 6NYCRR 200.7: Compliance Certification
- 48 6NYCRR 201-6: Compliance Certification
- 49 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=MSW

- 50 40CFR 60.34b, NSPS Subpart Cb: MWC Unit Load Level
- 51 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=MSW,ES=DENOX

- 52 40CFR 52.21(j)(2), Subpart A: Compliance Certification

EU=U-00001,EP=00001,Proc=MSW,ES=FABRI

- 53 6NYCRR 201-6: Compliance Certification
- 54 6NYCRR 201-6: Compliance Certification
- 55 6NYCRR 201-6: Compliance Certification
- 56 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 57 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 58 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 59 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 60 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 61 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 62 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 63 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 64 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 65 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 66 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 67 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 68 40CFR 60.33b(a)(2)(iii), NSPS Subpart Cb: Compliance Certification
- 69 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 70 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 71 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb: Compliance Certification
- 72 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb: Compliance Certification
- 73 40CFR 60.33b(b)(2)(i), NSPS Subpart Cb: Compliance Certification
- 74 40CFR 60.33b(b)(2)(i), NSPS Subpart Cb: Compliance Certification
- 75 40CFR 60.33b(c)(1)(ii), NSPS Subpart Cb: Compliance Certification
- 76 40CFR 60.33b(d), NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=MSW,ES=INCIN

- 77 6NYCRR 201-6: Compliance Certification
- 78 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 79 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 80 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 81 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 2-25 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 2-26 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 2-27 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 2-28 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification



- 2-29 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 2-30 40CFR 60.33b(a)(4), NSPS Subpart Cb: Compliance Certification
- 2-31 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 2-32 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 2-33 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 2-34 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 2-35 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 2-36 40CFR 60.33b(d), NSPS Subpart Cb: Compliance Certification
- 2-37 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 2-38 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 2-39 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=MW3,ES=INCIN

- 2-40 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 2-41 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 2-42 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=MW3,ES=INCIN

- 2-43 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 133 ECL 19-0301: Contaminant List
- 136 6NYCRR 219-7.2: Compliance Demonstration
- 137 6NYCRR 219-7.2: Compliance Demonstration
- 2-44 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-45 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-46 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-47 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-48 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-49 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-50 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-51 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-52 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-53 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-54 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-55 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-56 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-57 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-58 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-59 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-60 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-61 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-62 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-63 6NYCRR 617.11(d)(5): Compliance Demonstration

Emission Unit Level

EU=U-00001,Proc=MSW

- 147 6NYCRR 617.11(d)(5): Compliance Demonstration
- 148 6NYCRR 617.11(d)(5): Compliance Demonstration
- 149 6NYCRR 617.11(d)(5): Compliance Demonstration

EU=U-00001,EP=00001,Proc=MSW,ES=DENOX



150 6NYCRR 617.11(d)(5): Compliance Demonstration

151 6NYCRR 617.11(d)(5): Compliance Demonstration

EU=U-00001,EP=00001,Proc=MSW,ES=FABRI

152 6NYCRR 617.11(d)(5): Compliance Demonstration

153 6NYCRR 617.11(d)(5): Compliance Demonstration

154 6NYCRR 617.11(d)(5): Compliance Demonstration

155 6NYCRR 617.11(d)(5): Compliance Demonstration

156 6NYCRR 617.11(d)(5): Compliance Demonstration

157 6NYCRR 617.11(d)(5): Compliance Demonstration

158 6NYCRR 617.11(d)(5): Compliance Demonstration

159 6NYCRR 617.11(d)(5): Compliance Demonstration

160 6NYCRR 617.11(d)(5): Compliance Demonstration

161 6NYCRR 617.11(d)(5): Compliance Demonstration

EU=U-00001,EP=00001,Proc=MSW,ES=INCIN

162 6NYCRR 617.11(d)(5): Compliance Demonstration

163 6NYCRR 617.11(d)(5): Compliance Demonstration

164 6NYCRR 617.11(d)(5): Compliance Demonstration

EU=U-00001,EP=00001,Proc=MSW,ES=SPRAY

165 6NYCRR 617.11(d)(5): Compliance Demonstration

2-64 6NYCRR 219-7.2: Compliance Demonstration

2-65 6NYCRR 219-7.2: Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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



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



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

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

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

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

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

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

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



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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

**Condition 2-1: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 200.6

Replaces Condition(s) 44

Item 2-1.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Item 2-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. If there is a failure of the air pollution control device treating the flue gas from a furnace, the refuse feed into the furnace shall be discontinued as soon as it becomes apparent that an emission limit(s) could be exceeded if the refuse is not discontinued.

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

Record keeping of above incidences shall be maintained and submitted to the region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-2: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.7

Replaces Condition(s) 46

Item 2-2.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: AL3

Emission Point: 00001
Emission Source: 00002



Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: SPRA2
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002



Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: SPRA2

Item 2-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Auxiliary burners shall be operated as necessary to maintain required furnace temperature and during the following events:

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 refuse is cleared from



combustion chamber;

3. When processing marginally combustible waste, during periods of malfunction, or any other time when the furnace temperature requirement cannot otherwise be met.

Record keeping of the burners use during the above events shall be maintained at the site for department review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 2-3: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 200.7

Replaces Condition(s) 45

Item 2-3.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Item 2-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Temperature of gases in combustion zone must be maintained at a minimum of 1800 degrees Fahrenheit (deg. F) for a residence time of not less than one second, or a time and temperature shown to be equivalent to 1800 degrees Fahrenheit at 1 second. The permittee shall demonstrate the compliance based on a continuous 30-minute rolling average of readings according to a method acceptable to the department.

Note: The 1800 deg. F furnace temperature is not applicable for a 14-day period following a boiler outage in which the boiler tubes are cleaned. After cleaning the furnace, the DBA furnace/boiler would be started up on fossil fuel (either natural gas or oil) then shifted to solid waste after the boiler is placed on-line. On-line is defined as operating in a mode in which the steam output is similar to that of the other boiler which is burning solid waste (with a furnace temperature maintained above 1800 deg. F). The steam parameters that define an on-line boiler would be steam conditions suitable for the steam to be sent to the turbine (minimum steam temperature and pressure of approximately 635 deg. F and 950 psig, respectively).

Record keeping of the combustion zone temperature shall be maintained at the site for department review and any excursion of the value shall be reported to the Region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 2-4: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 200.7



Replaces Condition(s) 47

Item 2-4.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX

Item 2-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The acid gas scrubber outlet temperature shall not exceed 30 degrees Fahrenheit above the maximum 4-hour block average temperature measured at the inlet to the baghouse during the most recent dioxins/furan test demonstrating compliance with the dioxins/furan emissions limits in this permit. Compliance with the temperature requirement shall be determined using procedures in 40 CFR Part 60, subpart



Ea, section 60.58a(h) and must be acceptable to the commissioner.

Record keeping of the flue gas exit temperature shall be maintained at the site for department review and any excursion of the value shall be reported to the Region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Condition 22: Emission Unit Definition
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Item 22.1(From Mod 2):

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of a single emission point which is a flue from the exhaust of two DBA systems. The two systems are identical and independent up to the stack where the flues become common. The waste to energy systems are permitted to process wastes including household, commercial, and industrial non-hazardous wastes.

Building(s): STACK

Item 22.2(From Mod 1):

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

Emission Unit: U-110EF

Emission Unit Description:

This emission unit consists of three emission points (boilers) which are EP R1B01 (existing EFW1 reconfigured with low NOx burners or using existing burners if permit limits can be met and NOx CEMs installed), EP R1B02 (existing EFW2) and EP 00003 (B-110). All three boilers are permitted to combust fossil fuels (i.e., low sulfur distillate oil and natural gas). In addition, R1B02 is allowed combustion of alternate fuels (ALT) which consist primarily of waste wood.

Building(s): EFW12

Item 22.3(From Mod 0):

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

Emission Unit: U-ASHBD



Emission Unit Description:

This emission unit consists of a ventilation system for the ash loadout building.

Building(s): ALOBD

Item 22.4(From Mod 0):

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

Emission Unit: U-SHRED

Emission Unit Description:

This emission unit consists of an exhaust system for a diesel engine powered drum auger/shredder. The diesel engine exhaust is piped to outside the tipping floor north wall.

Building(s): R1A00

**Condition 2-5: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Replaces Condition(s) 77

Item 2-5.1:

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

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Regulated Contaminant(s):

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

Item 2-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit from each furnace flue shall not exceed 0.3*
ng/dscm corrected to 7% O₂ or 1.06E-07 lbs/hr, whichever
is more stringent, for 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 equivalents using
toxic equivalency factors listed in Part 219-1.1(b)(2).
Compliance shall be based on stack testing using 40 CFR 60
Appendix A, Method 23.

* This is a maximum value not to be exceeded. The
permittee shall employ best management practices with a
goal towards minimization of dioxin emissions to a target
value of 0.2 nanograms per dry standard cubic meter.

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

Upper Permit Limit: 0.3 nanograms per dry standard cubic
meter (corrected to 7% O₂)

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-6: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Replaces Condition(s) 54

Item 2-6.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001



Process: MW3	Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1. Mercury emissions from each furnace flue shall not exceed the more stringent of:
 - A. 28 micograms/dscm corrected to 7% O₂, unless uncontrolled mercury emissions are reduced by not less than 85%; or,
 - B. 0.064 lb/hr; or,
 - C. Emission limits as specified in 40 CFR 60 Subpart



Cb, Section 33b(a)(3).

Compliance with mercury emission limits shall be based on annual stack test by USEPA test Method 29 (40 CFR 60, Appendix A), and must be acceptable to the commissioner.

2. The permittee shall install, operate and maintain a carbon adsorption injection system or other system for the control of mercury emissions from each furnace. The mercury control system shall include a method to monitor the flow rate of the adsorbing agent or chemical reactant. Note: Facility must demonstrate that carbon feed rates equal or exceed the level(s) documented during the recent performance tests or are adequate to maintain compliance with mercury emission limits. Averaging method for carbon feed rate shall be a 6 - hour block (arithmetic average).

Parameter Monitored: MERCURY
Upper Permit Limit: 0.064 pounds per hour
Reference Test Method: 40 CFR 60 App A RM29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-7: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6NYCRR 201-6

Replaces Condition(s) 48

Item 2-7.1:

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

Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: AL3	Emission Point: 00001 Emission Source: SPRAY



Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: AL4	Emission Point: 00001 Emission Source: SPRA2
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001



Process: MW4	Emission Source: SPRA2
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: ST3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: ST4	Emission Point: 00001 Emission Source: SPRA2

Item 2-7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall maintain hourly averages for the following operating parameters for each of the DBA boilers;

- 1) injection rate of chemical reactant (i.e. carbon) as adsorbing reagent for mercury control (pounds per hour)
- 2) steam temperature (deg F), steam pressure (psig) and steam flow (k lbs per hour)
- 3) auxiliary fuel use (mmscf or gallons per hour, as applicable)
- 4) average pressure drop across each compartment of the baghouse fabric filter (inches of wc) and also the inlet and outlet of the entire baghouse fabric filter (inches of wc)
- 5) number of compartments of the baghouse fabric filter in use
- 6) average temperature (deg F) of both the inlet and outlet of the acid gas control device
- 7) average pressure drop across the acid gas control device (inches wc)
- 8) water (gallons per hour) and reagent chemicals (pounds



per hour) used in the acid gas control device

Note: Data acquisition records or manual logs shall be maintained at the site for department review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 2-8: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-6

Replaces Condition(s) 55

Item 2-8.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001



Process: MW4

Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007440-43-9

CADMIUM

Item 2-8.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emissions from each furnace flue shall not exceed the more stringent of:

A. 3.43E-03 lb/hr; or,

B. The emission limit specified in 40 CFR 60.33b(a)(2)(i), NSPS Subpart Cb.

Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner.

Parameter Monitored: CADMIUM

Upper Permit Limit: 3.43E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-9: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6NYCRR 201-6

Replaces Condition(s) 53

Item 2-9.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: 00002

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: CARB1

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: DENOX

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: FABRI

Emission Unit: U-00001

Emission Point: 00001



Process: MW3 Emission Source: INCIN

Emission Unit: U-00001 Emission Point: 00001
Process: MW3 Emission Source: SPRAY

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: 10002

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: CARB2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: DNOX2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: FABR2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: INCI2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: SPRA2

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

Item 2-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emissions from each furnace flue shall not exceed 29 ppmdv corrected to 7% O₂, based on the geometric mean of the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight), unless uncontrolled emissions are reduced by 80 percent or more. If the permittee, based on historical data, can continuously meet the sulfur dioxide concentration (29 ppmdv corrected to 7% oxygen) emission limit, then the permittee can request that the Department waive the requirements for the annual relative accuracy test audit (RATA) and the quarterly cylinder gas audits for the scrubber inlet (boiler outlet) sulfur dioxide monitor. The waiver request can be made for the permit period and must be approved by the Department.

Compliance shall be based on CEMs in accordance with 40 CFR 60 Appendices B and F. Excess emissions are to be reported.

Manufacturer Name/Model Number: Thermoenvironmental 43C or equivalent
Parameter Monitored: SULFUR DIOXIDE



Upper Permit Limit: 29.0 parts per million by volume
(dry, corrected to 7% O₂)
Reference Test Method: 40 CFR 60 App A RM6C
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 2-10: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 56

Item 2-10.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001



Process: MW4

Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 2-10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emissions from each furnace flue shall not exceed the more stringent of:

A. 2.77E-02 lb/hr; or,

B. The emission limit specified in 40 CFR 60.33b(a)(2)(iii), NSPS Subpart Cb.

Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: LEAD

Upper Permit Limit: 2.77E-02 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-11: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 58

Item 2-11.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001

Emission Point: 00001



Process: MW3 Emission Source: INCIN

Emission Unit: U-00001 Emission Point: 00001
Process: MW3 Emission Source: SPRAY

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: 10002

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: CARB2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: DNOX2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: FABR2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: INCI2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: SPRA2

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

Item 2-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit for sulfur dioxide (SO₂) from each furnace flue shall not exceed 104.4 lb/hr based on 3 hr rolling average. Continuous monitoring of SO₂ is required using CEMS installed, maintained and operated in accordance with 40 CFR 60 Appendix B, Performance Specification 2 and Appendix F. Excess emissions are to be reported.

Manufacturer Name/Model Number: Thermoenvironmental 43C or equivalent

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 104.4 pounds per hour

Reference Test Method: PS2 & Method 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 2-12: Compliance Certification
Effective for entire length of Permit

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



Replaces Condition(s) 52

Item 2-12.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 2-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emissions from each furnace flue shall not exceed 140.25 lb/hr. Compliance shall be based on annual stack tests using 40CFR60, Appendix A, Methods 7A or 7E and 19 or any equivalent method acceptable to the Commissioner.



Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 140.25 pounds per hour
Reference Test Method: 40 CFR 60 App A RM7A or 7E & 19
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-13: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 62

Item 2-13.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001



Process: MW4

Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

Item 2-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for beryllium is 8.58E-05 lb/hr from each furnace flue. Compliance stack testing for beryllium, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 8.58E-05 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-14: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 59

Item 2-14.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 2-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Composite sulfur dioxide emissions from the two (2) furnace flues shall not exceed 298 tons per year as determined by continuous monitoring. The individual mass emissions corresponding to each furnace must be totalized using the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight). The composite sulfur dioxide



emission limit of 298 tons per year shall be based on a rolling 365 day aggregate of totalized daily emissions. Exceedance of this limit shall be reported in the quarterly excess emissions report.

The permittee shall install, operate and maintain a system for the continuous measurement and recording of the SO2 mass emission rate from each furnace to demonstrate compliance with the above stated condition. This system shall include either (a) a flow monitor for each furnace meeting the requirements of 40 CFR Part 75 or other certification procedures acceptable to the Department or USEPA; or, (b) any other method deemed acceptable by the Department or the USEPA, including but not limited to procedures developed in conformance with 40 CFR 60, Appendix A, Method 19, to determine individual SO2 mass emissions from each furnace. CEMS shall be installed, maintained and operated in accordance with 40 CFR 60, Appendix B, Performance Specification 2 and Appendix F.

Manufacturer Name/Model Number: Thermoenvironmental 43C or equivalent
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 298.0 tons per year
Reference Test Method: See Description
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

Condition 2-15: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 78

Item 2-15.1:

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

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001

Emission Point: 00001



Process: MW3	Emission Source: INCIN
Emission Unit: U-00001	Emission Point: 00001
Process: MW3	Emission Source: SPRAY
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: 10002
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: CARB2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: DNOX2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: FABR2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: INCI2
Emission Unit: U-00001	Emission Point: 00001
Process: MW4	Emission Source: SPRA2

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

Item 2-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for carbon monoxide (CO) from each furnace flue shall not exceed 228.05 lbs/hr. Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 10 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 228.05 pounds per hour

Reference Test Method: Method 10

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-16: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 64

Item 2-16.1:

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for sulfur dioxide (SO₂) from each furnace flue shall not exceed 104.4 lb/hr. Compliance shall be based on annual stack tests using 40 CFR 60 Appendix A, Method 6C and 19 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: SULFUR DIOXIDE



Upper Permit Limit: 104.4 pounds per hour
Reference Test Method: 40 CFR 60 App A RM6C & 19
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-17: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 63

Item 2-17.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2



Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 2-17.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of fluoride (as hydrogen fluoride) from each furnace flue shall not exceed 1.16 lb/hr. Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the Commissioner.

Parameter Monitored: HYDROGEN FLUORIDE

Upper Permit Limit: 1.16 pounds per hour

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-18: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 80

Item 2-18.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

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

Item 2-18.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for volatile organic compounds (VOC) shall not exceed of 20 ppmdv corrected to 7% O2 from each furnace flue. Compliance testing to be conducted at the request of the Department using 40 CFR 60, Appendix A, Method 25A or any equivalent method acceptable to the Commissioner.

Parameter Monitored: VOC

Upper Permit Limit: 20.0 parts per million by volume
(dry, corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM25A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-19: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 61

Item 2-19.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001

Emission Point: 00001



Process: MW3	Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):
CAS No: 007440-38-2 ARSENIC

Item 2-19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for arsenic is 1.72E-03 lb/hr from each furnace flue. Compliance stack testing for arsenic, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: ARSENIC

Upper Permit Limit: 1.72E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-20: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 60

Item 2-20.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-20.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Sulfuric acid mist emissions from each furnace flue shall not exceed 5.0 lbs/hr. Compliance testing to be conducted at the request of the Department using 40 CFR 60, Appendix A, Method 8 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 5.0 pounds per hour

Reference Test Method: 40 CFR 60 App A RM8

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-21: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 57

Item 2-21.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

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

Item 2-21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate (PM) emissions from each furnace flue shall not exceed 0.010 gr/dscf corrected to 7% O₂ or 11.2 lb/hr whichever is more stringent. Compliance with the PM emission limitation shall also be considered as compliance with particulate emissions less than 10 microns in diameter (PM₁₀). Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 5 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: PM-10

Upper Permit Limit: 0.01 grains per dry standard cubic foot (corrected to 7% O₂)

Reference Test Method: 40 CFR 60 App A RM5

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-22: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 79

Item 2-22.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

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



Item 2-22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Composite carbon monoxide (CO) emissions from the two (2) furnace flues shall not exceed 274 tons per year as determined by continuous monitoring. The individual mass emissions corresponding to each furnace must be totalized using the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight). The composite CO emission limit of 274 tons per year shall be based on a rolling 365 day aggregate of totalized daily emissions. Excess emissions are to be reported.

The permittee shall install, operate and maintain a system for the continuous measurement and recording of the CO mass emission rate from each furnace flue to demonstrate compliance with the above stated condition. This system shall include either (a) a flow monitor for each furnace meeting the requirements of 40 CFR Part 75 or other certification procedures acceptable to the Department or USEPA; or, (b) any other method deemed acceptable by the Department or the USEPA, including but not limited to procedures developed in conformance with 40 CFR 60, Appendix A, Method 19, to determine individual CO mass emissions from each furnace. CEMS shall be installed, maintained and operated in accordance with 40 CFR 60 Appendix B, Performance Specification 4 and Appendix F.

Manufacturer Name/Model Number: TECO Model 48 C or equivalent

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 274 tons per year

Reference Test Method: See Description

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 37: Operating Manual

Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-40

Item 37.1:

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

This manual must be found acceptable by the Department.



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

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

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

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

Condition 38: Operator Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-42

Item 38.1:

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

Condition 39: Operator Training
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-41



Item 39.1:

All chief facility operators, shift supervisors, and control room operators must complete a municipal waste combustor operator training course which is acceptable to the Department prior to the date they assume responsibilities that affect operation of the municipal waste combustor unit. This requirement does not apply to chief facility operators, shift supervisors, and control room operators who have obtained full certification from the American Society of Mechanical Engineers on or before October 5, 1998. The owner or operator may request that the Department waive the requirements of this condition for chief facility operators, shift supervisors, and control room operators who have obtained only provisional certification from the American Society of Mechanical Engineers on or before October 5, 1998.

**Condition 2-23: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 49

Item 2-23.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001	Emission Point: 00001



Process: MW4

Emission Source: INCI2

Emission Unit: U-00001

Emission Point: 00001

Process: MW4

Emission Source: SPRA2

Item 2-23.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 9 MINUTES PER 3-HOUR PERIOD

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 40: Compliance and performance testing.
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-43

Item 40.1:

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

Item 40.2:

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

Condition 2-24: Compliance Certification
Effective for entire length of Permit

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



Replaces Condition(s) 41

Item 2-24.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Item 2-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Permittee shall comply with the reporting and recordkeeping requirements listed in §60.59b of Subpart Eb, as applicable, excluding the siting requirements under §60.59b(a), (b)(5), and (d)(11).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 41: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-24

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Item 41.2:

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: ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 2/14/2008.

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

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

Condition 42: Emission Point Definition By Emission Unit
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Item 42.1(From Mod 2):

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 396 Diameter (in.): 138

NYTMN (km.): 4777.866 NYTME (km.): 173.789 Building: STACK

Item 42.2(From Mod 0):

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

Emission Unit: U-110EF



Emission Point: 00003
Height (ft.): 150 Diameter (in.): 120
NYTMN (km.): 4777.83 NYTME (km.): 173.61 Building: BLR50

Emission Point: R1B01
Height (ft.): 210 Diameter (in.): 120
NYTMN (km.): 4777.82 NYTME (km.): 173.629 Building: EFW12

Emission Point: R1B02
Height (ft.): 210 Diameter (in.): 120
NYTMN (km.): 4777.82 NYTME (km.): 173.629 Building: EFW12

Item 42.3(From Mod 0):

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

Emission Unit: U-ASHBD

Emission Point: 00006
Height (ft.): 20 Length (in.): 48 Width (in.): 24
NYTMN (km.): 4777.866 NYTME (km.): 173.694 Building: ALOBD

Item 42.4(From Mod 0):

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

Emission Unit: U-SHRED

Emission Point: 00007
Height (ft.): 40 Diameter (in.): 6
NYTMN (km.): 4777.957 NYTME (km.): 173.796 Building: RIAOO

**Condition 43: Process Definition By Emission Unit
Effective between the dates of 06/05/2007 and Permit Expiration Date**

Applicable Federal Requirement:6NYCRR 201-6

Item 43.1(From Mod 2):

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

Emission Unit: U-00001
Process: AL3 Source Classification Code: 5-01-001-02
Process Description:

This process represents all operating scenarios (that is start-up, shut down, malfunctions and combustion of municipal solid waste) for the long term emission limits (tons per year). The facility shall comply with the emission limits associated with this process.

Note: auxiliary fuel - the facility uses natural gas as an auxiliary fuel. Natural gas is used during startup to warm the unit up to the minimum required combustion zone temperature before introducing solid waste into the furnace and during the transition period before the combustion is fully sustained by solid waste. Natural gas



is used as an auxiliary fuel during shutdown in order to maintain minimum combustion zone temperature until solid waste is burned off the grates. Auxiliary fuel is also used during periods of upset and any other time the furnace temperature/residence time requirements would not otherwise be met.

Note: startup - startup period begins when the unit's feed chute damper is opened and continuous burning of solid waste has commenced, and does not include any warm up period.

Note: shutdown - the shutdown period at the facility commences when a unit's ram feeder is shut (this is the time at which continuous feeding is ceased). Shutdown of a unit is complete when solid waste is burned off the grates. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure the fires are out.

Replaces process AL1.

Emission Source/Control: CARB1 - Control
Control Type: ACTIVATED CARBON INJECTION

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

Emission Source/Control: FABRI - Control
Control Type: FABRIC FILTER

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

Emission Source/Control: 00002 - Incinerator
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Emission Source/Control: INCIN - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Item 43.2(From Mod 2):

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

Emission Unit: U-00001

Process: AL4

Source Classification Code: 5-01-001-02

Process Description:

This process represents all operating scenarios (that is start-up, shut down, malfunctions and combustion of



municipal solid waste) for the long term emission limits (tons per year). The facility shall comply with the emission limits associated with this process.

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

Note: startup - startup period begins when the unit's feed chute damper is opened and continuous burning of solid waste has commenced, and does not include any warm up period.

Note: shutdown - the shutdown period at the facility commences when a unit's ram feeder is shut (this is the time at which continuous feeding is ceased). Shutdown of a unit is complete when solid waste is burned off the grates. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure the fires are out.

Replaces process AL1.

Emission Source/Control: CARB2 - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: DNOX2 - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: FABR2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: SPRA2 - Control
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 10002 - Incinerator
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Emission Source/Control: INCI2 - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID



WASTE

Item 43.3(From Mod 2):

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

Emission Unit: U-00001

Process: MW3

Source Classification Code: 5-01-001-02

Process Description:

This process involves the combustion of solid wastes which include residential, commercial and industrial non-hazardous wastes by a DBA system. All wastes are combusted for the purpose of disposal and energy recovery.

For periods of startup, shutdown, or malfunction, the facility will utilize the procedures in 40 CFR 60.58a(a) as well as 40 CFR 60.58b(a)(1) to assess compliance. Also the malfunction and emergency defense provisions of 6 NYCRR Parts 201-1.4 and 201-1.5 apply to the facility.

Replaces process MSW.

Emission Source/Control: CARB1 - Control

Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: DENOX - Control

Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: FABRI - Control

Control Type: FABRIC FILTER

Emission Source/Control: SPRAY - Control

Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 00002 - Incinerator

Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE

Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Emission Source/Control: INCIN - Incinerator

Waste Feed Method: CHUTE FED

Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Item 43.4(From Mod 2):

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

Emission Unit: U-00001

Process: MW4

Source Classification Code: 5-01-001-02

Process Description:

This process involves the combustion of solid wastes which include residential, commercial and industrial non-hazardous wastes by a DBA system. All wastes are



combusted for the purpose of disposal and energy recovery.

For periods of startup, shutdown, or malfunction, the facility will utilize the procedures in 40 CFR 60.58a(a) as well as 40 CFR 60.58b(a)(1) to assess compliance. Also the malfunction and emergency defense provisions of 6 NYCRR Parts 201-1.4 and 201-1.5 apply to the facility.

Replaces process MSW.

Emission Source/Control: CARB2 - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: DNOX2 - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: FABR2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: SPRA2 - Control
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: 10002 - Incinerator
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Emission Source/Control: INCI2 - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Item 43.5(From Mod 2):

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

Emission Unit: U-00001
Process: ST3 Source Classification Code: 1-02-006-01
Process Description:

This process is for the start up, shut down and malfunctions situation. Fossil fuels (natural gas and low sulfur distillate oil only) shall be used during the start up, shut down, and other upset conditions on an "as needed" basis.

Replaces process STS.

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

Emission Source/Control: FABRI - Control
Control Type: FABRIC FILTER



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

Emission Source/Control: INCIN - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 43.6(From Mod 2):

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

Emission Unit: U-00001

Process: ST4

Source Classification Code: 1-02-006-01

Process Description:

This process is for the start up, shut down and malfunctions situation. Fossil fuels (natural gas and low sulfur distillate oil only) shall be used during the start up, shut down, and other upset conditions on an "as needed" basis.

Replaces process STS.

Emission Source/Control: DNOX2 - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION
(SNCR)

Emission Source/Control: FABR2 - Control
Control Type: FABRIC FILTER

Emission Source/Control: SPRA2 - Control
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: INCI2 - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 43.7(From Mod 0):

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

Emission Unit: U-00001

Process: AL1

Source Classification Code: 5-01-001-02

Process End Date: 4/18/2008

Process Description:

This process represents all operating scenarios (that is start-up, shut down, malfunctions and combustion of municipal solid waste) for the long term emission limits (tons per year). The facility shall comply with the emission limits associated with this process.

Note: auxiliary fuel - the facility uses natural gas as an auxiliary fuel. Natural gas is used during startup to



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

Note: startup - startup period begins when the unit's feed chute damper is opened and continuous burning of solid waste has commenced, and does not include any warm up period.

Note: shutdown - the shutdown period at the facility commences when when a unit's ram feeder is shut (this is the time at which continuous feeding is ceased). Shutdown of a unit is complete when solid waste is burned off the grates. The operator verifies that the shutdown is complete by visually inspecting the grates to make sure the fires are out.

Emission Source/Control: CARB1 - Control
Control Type: ACTIVATED CARBON INJECTION

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

Emission Source/Control: FABRI - Control
Control Type: FABRIC FILTER

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

Emission Source/Control: 00002 - Incinerator
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Emission Source/Control: INCIN - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 43.8(From Mod 0):

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

Emission Unit: U-00001

Process: MSW

Source Classification Code: 5-01-001-02

Process End Date: 4/18/2008



Process Description:

The two identical DBA systems combust solid wastes which include residential, commercial and industrial non-hazardous wastes. All wastes are combusted for the purpose of disposal and energy recovery. For periods of startup, shutdown, or malfunction, the facility will utilize the procedures in 40 CFR 60.58a(a) as well as 40 CFR 60.58b(a)(1) to assess compliance. Also the malfunction and emergency defense provisions of 6 NYCRR part 201-1.4 and 201-1.5 apply to the facility.

Emission Source/Control: CARB1 - Control
Control Type: ACTIVATED CARBON INJECTION

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

Emission Source/Control: FABRI - Control
Control Type: FABRIC FILTER

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

Emission Source/Control: 00002 - Incinerator
Waste Feed Method: LIQUID FEED WITH A SPRAY NOZZLE
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Emission Source/Control: INCIN - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Item 43.9(From Mod 0):

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

Emission Unit: U-00001
Process: STS Source Classification Code: 1-02-006-01
Process End Date: 4/18/2008
Process Description:

This process is for the start up, shut down and malfunctions situation. Fossil fuels (natural gas and low sulfur distillate oil only) shall be used during the start up, shut down, and other upset conditions on an "as needed" basis.

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

Emission Source/Control: FABRI - Control
Control Type: FABRIC FILTER



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

Emission Source/Control: INCIN - Incinerator
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID
WASTE

Item 43.10(From Mod 0):

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

Emission Unit: U-110EF
Process: AL2 Source Classification Code: 1-02-006-01

Process Description:

This process represents all five processes for this emission unit (i.e., OIL, GAS, ALT, OAG and STH) combined for any particular contaminant listed in the process emission summary or emission unit compliance certification.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control
Control Type: COMBUSTION CHAMBER

Emission Source/Control: PARTI - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 43.11(From Mod 1):

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

Emission Unit: U-110EF
Process: ALT Source Classification Code: 1-02-009-01

Process Description:

This process involves the combustion of alternate fuels (or the cofiring of natural gas and alternate fuels) in emission point R1B02. During combustion of this process, simultaneous combustion of distillate fuel oil in emission point B-110, natural gas in emission point R1B01 and solid waste in emission point 00001's two mass burn incinerators is permitted. Simultaneous firing of low sulfur distillate fuel oil in emission point R1B01 is prohibited.

The type of alternate fuel that is processed shall be approved by NYSDEC Region 9 air pollution control engineer.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control
Control Type: COMBUSTION CHAMBER



Emission Source/Control: PARTI - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 43.12(From Mod 0):

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

Emission Unit: U-110EF
Process: GAS Source Classification Code: 1-02-006-01
Process Description:
This process involves the combustion of gas in any one or all of the three emission points (R1B01, R1B02 or B-110). Precipitator operation is not required when burning only gas.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control
Control Type: COMBUSTION CHAMBER

Emission Source/Control: PARTI - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 43.13(From Mod 0):

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

Emission Unit: U-110EF
Process: OAG Source Classification Code: 1-02-005-01
Process Description:
This process involves the combustion of low sulfur distillate oil and natural gas in the three fossil-fueled fired boilers (i.e., R1B01, R1B02 and B-110 for the emission unit U-110EF). All three boilers may operate simultaneously at their maximum rated heat input provided:
1) R1B01 fires natural gas and; 2) R1B02 fires either natural gas and/or alternate fuels when B-110 is firing low sulfur distillate oil.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control
Control Type: COMBUSTION CHAMBER

Emission Source/Control: PARTI - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 43.14(From Mod 0):

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

Emission Unit: U-110EF
Process: OIL Source Classification Code: 1-02-005-01
Process Description:
This process involves the combustion of low sulfur distillate oil in any one or all of the three emission



points (R1B01, R1B02 or B-110).

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control
Control Type: COMBUSTION CHAMBER

Emission Source/Control: PARTI - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 43.15(From Mod 0):

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

Emission Unit: U-110EF

Process: STH

Source Classification Code: 1-02-006-01

Process Description:

This process involves the start up, shut down, and upset conditions of emission unit U-110EF. Natural gas or low sulfur distillate oil is used to bring each boiler on-line and off-line. Precipitator operation is not required when natural gas or oil is fired. Boiler B-110 does not have a precipitator.

Emission Source/Control: COMB1 - Combustion

Emission Source/Control: COMBU - Control
Control Type: COMBUSTION CHAMBER

Emission Source/Control: PARTI - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Item 43.16(From Mod 0):

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

Emission Unit: U-ASHBD

Process: VNT

Source Classification Code: 5-01-004-02

Process Description:

This process involves the operation of the ash loadout system.

Emission Source/Control: FILTR - Control
Control Type: FABRIC FILTER

Emission Source/Control: FILT1 - Process

Item 43.17(From Mod 0):

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

Emission Unit: U-SHRED

Process: EXH

Source Classification Code: 5-01-001-02

Process Description:

This process involves operation of a diesel powered drum auger/shredder. The unit operates several hours each day



dependent on the number of drums received at the plant.
Operating hours are tracked by diesel engine hour meter.

Emission Source/Control: EXHST - Process
Design Capacity: 450 horsepower (mechanical)

Condition 44: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 200.6

Replaced by Condition(s) 2-1

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: MSW

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. If there is a failure of the air pollution control device treating the flue gas from a furnace, the refuse feed into the furnace shall be discontinued as soon as it becomes apparent that an emission limit(s) could be exceeded if the refuse is not discontinued.
2. The air pollution control device treating the flue gas from a furnace shall not be operated in the flue gas bypass mode at any time when combustible waste is contained in that furnace. Flue gas bypass of the air pollution control devices treating the flue gas from a furnace is permitted at any time during which only auxiliary fuel is being combusted in that furnace.

Record keeping of above incidences shall be maintained and submitted to the region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 45: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 200.7



Replaced by Condition(s) 2-3

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Temperature of gases in combustion zone must be maintained at a minimum of 1800 degrees Fahrenheit (deg. F) for a residence time of not less than one second, or a time and temperature shown to be equivalent to 1800 degrees Fahrenheit at 1 second. The permittee shall demonstrate the compliance based on a continuous 30-minute rolling average of readings according to a method acceptable to the department.

Note: The 1800 deg. F furnace temperature is not applicable for a 14-day period following a boiler outage in which the boiler tubes are cleaned. After cleaning the furnace, the DBA furnace/boiler would be started up on fossil fuel (either natural gas or oil) then shifted to solid waste after the boiler is placed on-line. On-line is defined as operating in a mode in which the steam output is similar to that of the other boiler which is burning solid waste (with a furnace temperature maintained above 1800 deg. F). The steam parameters that define an on-line boiler would be steam conditions suitable for the steam to be sent to the turbine (minimum steam temperature and pressure of approximately 635 deg. F and 950 psig., respectively).

Record keeping of the combustion zone temperature shall be maintained at the site for department review and any excursion of the value shall be reported to the Region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 46: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date



Applicable Federal Requirement:6NYCRR 200.7

Replaced by Condition(s) 2-2

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Auxiliary burners shall be operated as necessary to maintain required furnace temperature and during the following events:

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 refuse is cleared from combustion chamber;
3. When processing marginally combustible waste, during periods of malfunction, or any other time when the furnace temperature requirement cannot otherwise be met.

Record keeping of the burners use during the above events shall be maintained at the site for department review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 47: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 200.7

Replaced by Condition(s) 2-4

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The acid gas scrubber outlet temperature shall not exceed 30 degrees Fahrenheit above the maximum 4-hour block average temperature measured at the inlet to the baghouse during the most recent dioxins/furan test demonstrating compliance with the dioxins/furan emissions limits in this permit. Compliance with the temperature requirement shall be determined using procedures in 40 CFR Part 60, subpart Ea, section 60.58a(h) and must be acceptable to the commissioner.

Record keeping of the flue gas exit temperature shall be maintained at the site for department review and any excursion of the value shall be reported to the Region 9 air pollution control engineer in the quarterly excess emissions report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 48: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Replaced by Condition(s) 2-7

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall maintain hourly averages for the following operating parameters for each of the DBA boilers;

- 1) injection rate of chemical reactant (i.e. carbon) as adsorbing reagent for mercury control (pounds per hour)
- 2) steam temperature (deg F), steam pressure (psig) and steam flow (k lbs per hour)
- 3) auxiliary fuel use (mscf or gallons per hour, as applicable)
- 4) average pressure drop across each compartment of the



- baghouse fabric filter (inches of wc) and also the inlet and outlet of the entire baghouse fabric filter (inches of wc)
- 5) number of compartments of the baghouse fabric filter in use
 - 6) average temperature (deg F) of both the inlet and outlet of the acid gas control device
 - 7) average pressure drop across the acid gas control device (inches wc)
 - 8) water (gallons per hour) and reagent chemicals (pounds per hour) used in the acid gas control device

Note: Data acquisition records or manual logs shall be maintained at the site for department review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 49: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-23

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: MSW

Regulated Contaminant(s):

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

Item 49.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY



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

Condition 50: MWC Unit Load Level
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Expired by Mod 2

Item 50.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: MSW

Item 50.2:

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

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

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

Condition 51: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-39

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW

Item 51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The Permittee shall not cause the municipal waste combustor to operate at a temperature, measured at the



particulate matter control device inlet, exceeding 17 degrees C above the maximum demonstrated particulate matter control device temperature during four consecutive hours (4-hour block arithmetic average) during the most recent dioxin/furan performance test demonstrating compliance with the applicable dioxin/furan limit, except as follows:

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

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

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Reference Test Method: ACCEPTABLE TO NYSDEC

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 7/30/2007.

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

Condition 52: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-12

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: DENOX

Regulated Contaminant(s):

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emissions from each furnace flue shall not exceed



140.25 lb/hr. Compliance shall be based on annual stack tests using 40CFR60, Appendix A, Method 7A or 7E and 19 or any equivalent method acceptable to the commissioner.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 140.25 pounds per hour

Reference Test Method: M-7A OR 7E & 19

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 53: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Replaced by Condition(s) 2-9

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Emissions from each furnace flue shall not exceed 29 ppm_{dv} corrected to 7% O₂, based on the geometric mean of the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight), unless uncontrolled emissions are reduced by 80 percent or more. If the permittee, based on historical data, can continuously meet the sulfur dioxide concentration (29 ppm_{dv} corrected to 7% oxygen) emission limit, then the permittee can request that the Department waive the requirements for the annual relative accuracy test audit (RATA) and the quarterly cylinder gas audits for the scrubber inlet (boiler outlet) sulfur dioxide monitor. The waiver request can be made for the permit period and must be approved by the Department.

Compliance shall be based on cems in accordance with 40 CFR 60 Appendix B and F. Excess emissions are to be reported.

Manufacturer Name/Model Number: THERMOENVIRONMENTAL 43C or equivalent



Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 29.0 parts per million by volume
(dry, corrected to 7% O₂)
Reference Test Method: METHOD 6C
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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Replaced by Condition(s) 2-6

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: 00001
Process: MSW	Emission Source: FABRI

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

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

1. Mercury emissions from each furnace flue shall not exceed the more stringent of:
 - A. 28 ug/dscm corrected to 7% O₂, unless uncontrolled mercury emissions are reduced by not less than 85%; or,
 - B. 0.064 lb/hr; or,
 - C. Emission limits as specified in 40 CFR 60 Subpart Cb, Section 33b(a)(3).

Compliance with mercury emission limits shall be based on annual stack test by USEPA test Method 29 (40 CFR 60, Appendix A), and must be acceptable to the commissioner.

2. The permittee shall install, operate and maintain a carbon adsorption injection system or other system for the control of mercury emissions from each furnace. The mercury control system shall include a method to monitor the flow rate of the adsorbing agent or chemical reactant.



Note: Facility must demonstrate that carbon feed rates equal or exceed the level(s) documented during the recent performance tests or are adequate to maintain compliance with mercury emission limits. Averaging method for carbon feed rate shall be a 6 - hour block (arithmetic average).

Parameter Monitored: MERCURY
Upper Permit Limit: 0.064 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 55: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 201-6

Replaced by Condition(s) 2-8

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emissions from each furnace flue shall not exceed the more stringent of:

- A. 3.43E-03 lb/hr; or,
- B. The emission limit specified in 40 CFR 60.33b(a)(2)(i), NSPS Subpart Cb.

Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner.

Parameter Monitored: CADMIUM
Upper Permit Limit: 3.43E-03 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED



Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 56: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-10

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emissions from each furnace flue shall not exceed the more stringent of:

A. 2.77E-02 lb/hr; or,

B. The emission limit specified in 40 CFR 60.33b(a)(2)(iii), NSPS Subpart Cb.

Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner.

Parameter Monitored: LEAD

Upper Permit Limit: 2.77E-02 pounds per hour

Reference Test Method: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-21

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI



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

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate (PM) emissions from each furnace flue shall not exceed 0.010 gr/dscf corrected to 7% O₂ or 11.2 lb/hr whichever is more stringent. Compliance with the PM emission limitation shall also be considered as compliance with particulate emissions less than 10 microns in diameter (PM₁₀). Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 5 or any equivalent method acceptable to the commissioner.

Parameter Monitored: PM-10

Upper Permit Limit: 0.01 grains per dry standard cubic foot (corrected to 7% O₂)

Reference Test Method: METHOD 5

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-11

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Permit limit for sulfur dioxide (SO₂) from each furnace flue shall not exceed 104.4 lb/hr based on 3 hr rolling average. Continuous monitoring of SO₂ is required using CEMS installed, maintained and operated in accordance with 40 CFR 60 Appendix B, Performance Specification 2 and Appendix F. Excess emissions are to be reported.



Manufacturer Name/Model Number: THERMOENVIRONMENTAL 43C or equivalent
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 104.4 pounds per hour
Reference Test Method: PS 2 & METHOD 19
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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-14

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: 00001
Process: MSW	Emission Source: FABRI

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Composite sulfur dioxide emissions from the two (2) furnace flues shall not exceed 298 tons per year as determined by continuous monitoring. The individual mass emissions corresponding to each furnace must be totalized using the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight). The composite sulfur dioxide emission limit of 298 tons per year shall be based on a rolling 365 day aggregate of totalized daily emissions. Exceedance of this limit shall be reported in the quarterly excess emissions report.

The permittee shall install, operate and maintain a system for the continuous measurement and recording of the SO₂ mass emission rate from each furnace to demonstrate compliance with the above stated condition. This system shall include either (a) a flow monitor for each furnace meeting the requirements of 40 CFR Part 75 or other certification procedures acceptable to the Department or USEPA; or, (b) any other method deemed acceptable by the Department or the USEPA, including but not limited to



procedures developed in conformance with 40 CFR 60, Appendix A, Method 19, to determine individual SO₂ mass emissions from each furnace. CEMS shall be installed, maintained and operated in accordance with 40 CFR 60, Appendix B, Performance Specification 2 and Appendix F.

Manufacturer Name/Model Number: THERMOENVIRONMENTAL 43C or equivalent
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 298.0 tons per year
Reference Test Method: SEE DESCRIPTION
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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-20

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: 00001
Process: MSW	Emission Source: FABRI

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Sulfuric acid mist emissions from each furnace flue shall not exceed 5.0 lbs/hr. Compliance testing to be conducted at the request of the department using 40 CFR 60, Appendix A, Method 8 or any equivalent method acceptable to the commissioner.

Parameter Monitored: SULFURIC ACID
Upper Permit Limit: 5.0 pounds per hour
Reference Test Method: METHOD 8
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 61: Compliance Certification



Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-19

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007440-38-2 ARSENIC

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for arsenic is 1.72E-03 lb/hr from each furnace flue. Compliance stack testing for arsenic, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years thereafter, unless more frequent testing is required by the department.

Parameter Monitored: ARSENIC
Upper Permit Limit: 1.72E-03 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 62: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-13

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 62.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for beryllium is 8.58E-05 lb/hr from each furnace flue. Compliance stack testing for beryllium, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years thereafter, unless more frequent testing is required by the department.

Parameter Monitored: BERYLLIUM

Upper Permit Limit: 8.58E-05 pounds per hour

Reference Test Method: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 63: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-17

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007664-39-3

HYDROGEN FLUORIDE

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of fluoride (as hydrogen fluoride) from each furnace flue shall not exceed 1.16 lb/hr. Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the commissioner.

Parameter Monitored: HYDROGEN FLUORIDE

Upper Permit Limit: 1.16 pounds per hour

Reference Test Method: METHOD 26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 64: Compliance Certification



Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-16

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for sulfur dioxide (SO₂) from each furnace flue shall not exceed 104.4 lb/hr. Compliance shall be based on annual stack tests using 40 CFR 60 Appendix A, Method 6C and 19 or any equivalent method acceptable to the commissioner.

Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 104.4 pounds per hour
Reference Test Method: METHOD 6C & 19
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 65: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-25

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



Particulate matter emission limit.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 27 milligrams per dry standard cubic
meter (corrected to 7% oxygen)
Reference Test Method: EPA Ref. Method 5
Monitoring Frequency: ANNUALLY
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 66: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-26

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 66.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:
Opacity emission limit.

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Reference Test Method: PS 1 & METHOD 9
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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-27

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001



Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emission limit.

Parameter Monitored: CADMIUM

Upper Permit Limit: 0.040 milligrams per dry standard
cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 68: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Expired by Mod 2

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emission limit.

Parameter Monitored: LEAD

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 69: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date



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

Replaced by Condition(s) 2-28

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 85 percent reduction by weight Mercury emission limit provided in this permit.

Parameter Monitored: MERCURY

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 70: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-29

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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



permit.

Parameter Monitored: MERCURY

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 71: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Expired by Mod 2

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 75 percent reduction by weight or volume Sulfur Dioxide emission limit provided in this permit.

Parameter Monitored: SULFUR DIOXIDE

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

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 7/30/2007.

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

Condition 72: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Expired by Mod 2

Item 72.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Parameter Monitored: SULFUR DIOXIDE

Lower Permit Limit: 75 percent reduction by weight or volume (corrected to 7% O₂, dry basis)

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 7/30/2007.

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

Condition 73: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Expired by Mod 2

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 95 percent reduction by weight or volume Hydrogen Chloride emission limit provided in this permit.



Parameter Monitored: HYDROGEN CHLORIDE

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

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 74: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Expired by Mod 2

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: HYDROGEN CHLORIDE

Lower Permit Limit: 95 percent reduction by weight or
volume (corrected to 7% O₂, dry
basis)

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 75: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Expired by Mod 2

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI



Regulated Contaminant(s):

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

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

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

Reference Test Method: EPA Ref. Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-36

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Nitrogen oxide emission limit for mass burn waterwall municipal waste combustor, not utilizing a NO_x emissions averaging plan.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 205 parts per million by volume (dry, corrected to 7% O₂)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 77: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Replaced by Condition(s) 2-5

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: INCIN

Regulated Contaminant(s):

CAS No: 051207-31-9 2,3,7,8-TETRACHLORODIBENZOFURAN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit from each furnace flue shall not exceed 0.3* ng/dscm @ 7% O₂ or 1.06E-07 lbs/hr, whichever is more stringent, for 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 equivalents using toxic equivalency factors listed in Part 219-1.1(b)(2). Compliance shall be based on stack testing using 40 CFR 60 Appendix A, Method 23.

* This is a maximum value not to be exceeded. The permittee shall employ best management practices with a goal towards minimization of dioxin emissions to a target value of 0.2 nanograms per dry standard cubic meter.

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZOFURAN

Upper Permit Limit: 0.3 nanograms per dry standard cubic meter (total mass, corrected to 7% O₂)

Reference Test Method: METHOD 23

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 78: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-15

Item 78.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

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

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for carbon monoxide (CO) from each furnace flue shall not exceed 228.05 lbs/hr. Compliance shall be based on annual stack tests using 40 CFR 60, Appendix A, Method 10 or any equivalent method acceptable to the commissioner.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 228.05 pounds per hour

Reference Test Method: METHOD 10

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 79: Compliance Certification

Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-22

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Composite carbon monoxide (CO) emissions from the two (2) furnace flues shall not exceed 274 tons per year as determined by continuous monitoring. The individual mass emissions corresponding to each furnace must be totalized using the hourly arithmetic average emission rates during each twenty-four hour daily period (12:00 midnight to the following midnight). The composite CO emission limit of



274 tons per year shall be based on a rolling 365 day aggregate of totalized daily emissions. Excess emissions are to be reported.

The permittee shall install, operate and maintain a system for the continuous measurement and recording of the CO mass emission rate from each furnace flue to demonstrate compliance with the above stated condition. This system shall include either (a) a flow monitor for each furnace meeting the requirements of 40 CFR Part 75 or other certification procedures acceptable to the Department or USEPA; or, (b) any other method deemed acceptable by the Department or the USEPA, including but not limited to procedures developed in conformance with 40 CFR 60, Appendix A, Method 19, to determine individual CO mass emissions from each furnace. CEMS shall be installed, maintained and operated in accordance with 40 CFR 60 Appendix B, Performance Specification 4 and Appendix F.

Manufacturer Name/Model Number: TECO MODEL 48C or equivalent
Parameter Monitored: CARBON MONOXIDE
Upper Permit Limit: 274 tons per year
Reference Test Method: SEE DESCRIPTION
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 7/30/2007.
Subsequent reports are due every 3 calendar month(s).

Condition 80: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-18

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001	Emission Point: 00001
Process: MSW	Emission Source: INCIN

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

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for volatile organic compounds (VOC) shall not exceed of 20 ppm_{dv} @ 7% O₂ from each furnace flue. Compliance testing to be conducted at the request of the



department using 40 CFR 60, Appendix A, Method 25A or any equivalent method acceptable to the commissioner.

Parameter Monitored: VOC

Upper Permit Limit: 20.0 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: METHOD 25A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 81: Compliance Certification
Effective between the dates of 06/05/2007 and Permit Expiration Date

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

Replaced by Condition(s) 2-37

Item 81.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: INCIN

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 81.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: METHOD 10

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 7/30/2007.

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

Condition 2-25: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 65

Item 2-25.1:



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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet an emission limit for particulate matter not to exceed 25 milligrams per dry standard cubic meter, corrected to 7 percent oxygen. Compliance will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for



the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 25 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40 CFR 60 App A RM5

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-26: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 66

Item 2-26.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Item 2-26.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-27: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 67

Item 2-27.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI



Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 2-27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Reference Test Method: EPA Ref Test Method

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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

Condition 2-28: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 69

Item 2-28.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-28.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-29: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 70

Item 2-29.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



Condition 2-30: Compliance Certification
Effective for entire length of Permit

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

Item 2-30.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s):	
CAS No: 007439-92-1	LEAD

Item 2-30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



Monitoring Description:

Each affected MWC unit is required to meet an emission limit for lead not to exceed 400 micrograms per dry standard cubic meter, corrected to 7 percent oxygen. Compliance will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

Upper Permit Limit: 400 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-31: Compliance Certification
Effective for entire length of Permit**

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

Item 2-31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 2-31.2:

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% O₂)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-32: Compliance Certification
Effective for entire length of Permit**

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

Item 2-32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-32.2:

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 percent reduction 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

Lower Permit Limit: 75 percent reduction by weight or volume (corrected to 7% O₂, dry basis)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 2-33: Compliance Certification
Effective for entire length of Permit

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

Item 2-33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001	Emission Point: 00001



Process: MW4

Emission Source: INCI2

Emission Unit: U-00001

Emission Point: 00001

Process: MW4

Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007647-01-0

HYDROGEN CHLORIDE

Item 2-33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for hydrogen chloride not to exceed 29 part per million by volume, corrected to 7 percent oxygen (dry basis) or, an 95 percent reduction by weight or volume of the potential hydrogen chloride emission concentration. Compliance with the emission concentration limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

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

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-34: Compliance Certification
Effective for entire length of Permit**

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

Item 2-34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Point: 00001

Process: MW3

Emission Source: 00002

Emission Unit: U-00001

Emission Point: 00001

Process: MW3

Emission Source: CARB1

Emission Unit: U-00001

Emission Point: 00001



Process: MW3	Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

Item 2-34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less stringent of either of the following: an emission limit for hydrogen chloride not to exceed 29 part per million by volume, corrected to 7 percent oxygen (dry basis) or, an 95 percent reduction by weight or volume of the potential hydrogen chloride emission concentration. Compliance with the latter (percent reduction) limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.



Lower Permit Limit: 95 percent reduction by weight or volume (corrected to 7% O₂, dry basis)

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 2-35: Compliance Certification
Effective for entire length of Permit

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

Item 2-35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2



Regulated Contaminant(s):

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

Item 2-35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-36: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 76

Item 2-36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Each affected mass burn waterwall MWC unit which does not utilize a NOx emissions averaging plan is required to meet an emission concentration limit for NOx not to exceed 205 parts per million by volume, corrected to 7 percent oxygen (dry basis). Compliance with these limits is based on a 24-hour daily average. To demonstrate compliance with this requirement the owner or operator of the facility shall install, calibrate, maintain and operate a continuous emissions monitor for NOx according to a QA/QC plan approved by the Department.

Upper Permit Limit: 205 parts per million by volume
(dry, corrected to 7% O2)

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.



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

Condition 2-37: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 81

Item 2-37.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

Item 2-37.2:

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% O₂)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 2-38: Compliance Certification
Effective for entire length of Permit

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

Item 2-38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Item 2-38.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

(2) The municipal waste combustor unit load limit may be waived in writing by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving municipal waste combustor performance or advancing the state-of-the-art for controlling municipal waste combustor emissions. The municipal waste combustor unit load limit continues to apply, and remains enforceable, until and unless the Department grants the waiver.

Parameter Monitored: STEAM OUTPUT

Upper Permit Limit: 110 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 2-39: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 51

Item 2-39.1:



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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Item 2-39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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



follows:

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

(2) The particulate matter control device temperature limits may be waived in writing by the Department for the purpose of evaluating system performance, testing new technology or control technologies, diagnostic testing, or related activities for the purpose of improving municipal waste combustor performance or advancing the state-of-the-art for controlling municipal waste combustor emissions. The temperature limits continue to apply, and remain enforceable, until and unless the Department grants the waiver.

Parameter Monitored: TEMPERATURE ABOVE CONTROL DEVICE TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-40: Operating Manual
Effective for entire length of Permit**

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

Replaces Condition(s) 37

Item 2-40.1:

This Condition applies to:

Emission Unit: U00001	Emission Point: 00001
Process: MW3	Emission Source: 00002
Emission Unit: U00001	Emission Point: 00001
Process: MW3	Emission Source: CARB1
Emission Unit: U00001	Emission Point: 00001
Process: MW3	Emission Source: DENOX
Emission Unit: U00001	Emission Point: 00001
Process: MW3	Emission Source: FABRI
Emission Unit: U00001	Emission Point: 00001
Process: MW3	Emission Source: SPRAY
Emission Unit: U00001	Emission Point: 00001
Process: MW4	Emission Source: 10002



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 2-41: Operator Training
Effective for entire length of Permit

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

Replaces Condition(s) 39

Item 2-41.1:

This Condition applies to:

Emission Unit: U00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Item 2-41.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: MW3 Emission Source:
INCIN



Item 2-41.2.3:

All chief facility operators, shift supervisors, and control room operators must complete a municipal waste combustor operator training course which is acceptable to the Department prior to the date they assume responsibilities that affect operation of the municipal waste combustor unit. This requirement does not apply to chief facility operators, shift supervisors, and control room operators who have obtained full certification from the American Society of Mechanical Engineers on or before October 5, 1998. The owner or operator may request that the Department waive the requirements of this condition for chief facility operators, shift supervisors, and control room operators who have obtained only provisional certification from the American Society of Mechanical Engineers on or before October 5, 1998.

**Condition 2-42: Compliance Certification
Effective for entire length of Permit**

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

Replaces Condition(s) 38

Item 2-42.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Item 2-42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

(a) Notify the Department in writing. In the notice, state what caused the absence and what actions are being taken by the owner or operator of the facility to ensure



that a certified chief facility operator or certified shift supervisor is on site as expeditiously as practicable.

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-43: Compliance and performance testing. Effective for entire length of Permit

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

Replaces Condition(s) 40

Item 2-43.1:

This Condition applies to:

- Emission Unit: U00001 Emission Point: 00001
- Process: MW3 Emission Source: 00002

- Emission Unit: U00001 Emission Point: 00001
- Process: MW3 Emission Source: CARB1

- Emission Unit: U00001 Emission Point: 00001
- Process: MW3 Emission Source: DENOX

- Emission Unit: U00001 Emission Point: 00001
- Process: MW3 Emission Source: FABRI

- Emission Unit: U00001 Emission Point: 00001
- Process: MW3 Emission Source: SPRAY

- Emission Unit: U00001 Emission Point: 00001



Process: MW4	Emission Source: 10002
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Item 2-43.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: MW3 Emission Source:
INCIN

Item 2-43.2:

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 2-43.3.4:

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 133: Contaminant List
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 133.1:

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

CAS No: 001746-01-6

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

CAS No: 007664-41-7



Name: AMMONIA

CAS No: 007440-36-0

Name: ANTIMONY

CAS No: 007440-38-2

Name: ARSENIC

CAS No: 007440-41-7

Name: BERYLLIUM

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 018540-29-9

Name: CHROMIUM(VI)

CAS No: 007440-48-4

Name: COBALT

CAS No: 007440-50-8

Name: COPPER

CAS No: 000050-00-0

Name: FORMALDEHYDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007664-39-3

Name: HYDROGEN FLUORIDE

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-96-5

Name: MANGANESE

CAS No: 007439-97-6

Name: MERCURY

CAS No: 007440-02-0

Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN



CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 001336-36-3

Name: POLYCHLORINATED BIPHENYL

CAS No: 130498-29-2

Name: POLYCYCLIC AROMATIC HYDROCARBONS

CAS No: 007782-49-2

Name: SELENIUM

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007664-93-9

Name: SULFURIC ACID

CAS No: 007440-62-2

Name: VANADIUM

CAS No: 0NY998-00-0

Name: VOC

CAS No: 007440-66-6

Name: ZINC

Condition 136: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-7.2

Expired by Mod 2

Item 136.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 136.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen). Annual compliance is based on the average of the annual stack tests on each municipal waste



combustor (MWC) unit at the facility using the stack testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm or 85% reduction of mercury, whichever is less stringent. Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively.

Parameter Monitored: MERCURY

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

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 137: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 219-7.2

Expired by Mod 2

Item 137.1:

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

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 137.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen). Annual compliance is based on the average of the annual stack tests on each municipal waste combustor (MWC) unit at the facility using the stack testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm or 85% reduction of mercury, whichever is less stringent. Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively.



Parameter Monitored: MERCURY

Upper Permit Limit: 85 percent reduction by weight

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-44: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 617.11(d)(5)

Item 2-44.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 2-44.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The ratio between the actual heat input to the facility from coal, oil, natural gas or a mixture of these fuels, as applicable, during a calendar year and the potential heat input to the steam generating unit had it been operated for 8,760 hours during a calendar year at the maximum steady state design heat input capacity shall be less than 10%. Record keeping of fuel usage shall be maintained and submitted to the Region 9 air pollution control engineer in the quarterly fuel used summary report.
2. The facility operation shall not create a nuisance or cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

Monitoring Frequency: DAILY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 2-45: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaces Condition(s) 157

Item 2-45.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):
CAS No: 007782-49-2 SELENIUM

Item 2-45.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for selenium is 6.95E-04 lb/hr from each furnace flue. Compliance stack testing for selenium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: SELENIUM



Upper Permit Limit: 6.95E-04 pounds per hour
Reference Test Method: 40 CFR 60 App A RM29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-46: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 162

Item 2-46.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2



Regulated Contaminant(s):

CAS No: 130498-29-2 POLYCYCLIC AROMATIC HYDROCARBONS

Item 2-46.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for polycyclic aromatic hydrocarbons (toxic equivalent PAHs) is 4.17E-04 lb/hr from each furnace flue. Compliance stack testing for PAHs using 40 CFR 60, Appendix A, Method 23 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: POLYCYCLIC AROMATIC HYDROCARBONS

Upper Permit Limit: 4.17E-04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-47: Compliance Demonstration Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 151

Item 2-47.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 2-47.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions from each furnace flue shall not exceed 50 ppm_{dv} corrected to 7% O₂ or 17.4 lb/hr whichever is more stringent. Compliance shall be based on stack tests using 40 CFR 60, Appendix A, Method 26A or any other method that will be acceptable to the Commissioner.

Parameter Monitored: AMMONIA

Upper Permit Limit: 50.0 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-48: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 161

Item 2-48.1:

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

Emission Unit: U-00001

Emission Point: 00001



Process: MW3	Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for nickel is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for nickel, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS
 Upper Permit Limit: 8.58E-03 pounds per hour



Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-49: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 150

Item 2-49.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):



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

Item 2-49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1. Nitrogen oxides (NO_x) emissions from each furnace flue shall not exceed 150 ppm_{dv}, corrected to 7% O₂, on a twenty-four hour daily arithmetic average (24-hour block).

2. The permittee shall install, operate and maintain a urea injection or other selective non-catalytic reduction system (SNCR) for the control of NO_x emissions from each furnace. Emissions of NO_x shall be minimized by limiting excess air into the combustion zone and maintaining combustion parameters which are specified in the design of the incinerator, and proper operation of the SNCR. The incinerator shall employ the use of roller grates with overfire air and underfire air and ammonia / urea injection. Performance of these controls shall be monitored by the use of continuous emission monitoring system (CEMS) to monitor NO_x concentrations in the stack.

Compliance shall be based on CEMS in accordance with 40 CFR 60 Appendices B and F. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO Model 42C or equivalent

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 150.0 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: 40 CFR 60 App A RM7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-50: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 156

Item 2-50.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Point: 00001



Process: MW3	Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-50.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for manganese is 3.43E-02 lb/hr from each furnace flue. Compliance stack testing for manganese using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: MANGANESE
 Upper Permit Limit: 3.43E-02 pounds per hour



Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-51: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 164

Item 2-51.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):



CAS No: 000050-00-0 FORMALDEHYDE

Item 2-51.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for formaldehyde is 9.80E-02 lb/hr from each furnace flue. Compliance stack testing for formaldehyde using 40 CFR 60, Appendix IX, Method 0011 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: FORMALDEHYDE

Upper Permit Limit: 9.80E-02 pounds per hour

Reference Test Method: Method 0011

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-52: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 153

Item 2-52.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: 00002

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: CARB1

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: DENOX

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: FABRI

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: INCIN

Emission Unit: U-00001

Process: MW3

Emission Point: 00001

Emission Source: SPRAY

Emission Unit: U-00001

Emission Point: 00001



Process: MW4 Emission Source: 10002

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: CARB2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: DNOX2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: FABR2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: INCI2

Emission Unit: U-00001 Emission Point: 00001
Process: MW4 Emission Source: SPRA2

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

Item 2-52.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for copper is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for copper, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: COPPER

Upper Permit Limit: 8.58E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-53: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 154

Item 2-53.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: MW3 Emission Source: 00002



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):
CAS No: 007440-48-4 COBALT

Item 2-53.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for cobalt is 1.72E-03 lb/hr from each furnace flue. Compliance stack testing for cobalt, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: COBALT
Upper Permit Limit: 1.72E-03 pounds per hour
Reference Test Method: 40 CFR 60 App A RM29



Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-54: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 152

Item 2-54.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Regulated Contaminant(s):

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



Item 2-54.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for chromium VI is 1.96e-03 lb/hr from each furnace flue. Permit limit for total chromium is 6.86E-03 lb/hr from each furnace flue. Compliance stack testing for chromium VI will not be required by the Department provided that testing is done for total chromium and the emission for total chromium is less than the permit limit for chromium VI. Compliance stack testing for total chromium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department. If required, compliance testing for chromium VI will be done using 40 CFR 60, Appendix A, Method 0013 or any equivalent method acceptable to the Commissioner.

Parameter Monitored: CHROMIUM(VI)

Upper Permit Limit: 1.96E-03 pounds per hour

Reference Test Method: Method 0013

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-55: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 147

Item 2-55.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Item 2-55.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Permittee shall take measures to exclude from this facility the following:

1. Yard waste (such as leaves, grass, brush/branches and stumps/tree sections);
2. Motor vehicle or other batteries;
3. White goods such as hot water boilers, washers and/or dryers, refrigerator, metal furniture, mattresses and other household appliances, or bulk waste having dimensions larger than the furnace ram feeder;
4. Hazardous waste as defined in 6 NYCRR Part 371;
5. Explosives;
6. Radiation equipment or radioactive materials as defined by 6 NYCRR Part 380;
7. Pathological or biological waste (i.e. regulated medical waste as defined in 6 NYCRR Part 364);
8. Tires.

Note: Municipal solid waste which includes non-hazardous residential, commercial, governmental and/or industrial waste streams are acceptable as approved on a case by case basis by the NYSDEC.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 2-56: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 158

Item 2-56.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

Regulated Contaminant(s):
CAS No: 007440-36-0 ANTIMONY

Item 2-56.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for antimony is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for antimony using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: ANTIMONY

Upper Permit Limit: 8.58E-03 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-57: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaces Condition(s) 148

Item 2-57.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 2-57.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operating requirement for this permit: The total facility charging rate shall not exceed 821,250 tons per year. Waste charge is recorded on a per delivery basis to track compliance with this limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-58: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaces Condition(s) 163

Item 2-58.1:



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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-58.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for polychlorinated biphenyls (PCBs) is 2.45E-04 lb/hr from each furnace flue. Compliance stack testing for PCBs using 40 CFR 60, Appendix A, Method 23 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent



testing is required by the Department.

Parameter Monitored: POLYCHLORINATED BIPHENYL

Upper Permit Limit: 2.45E-04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-59: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaces Condition(s) 149

Item 2-59.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Item 2-59.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. OPERATION REQUIREMENTS

A. Emissions of sulfur dioxide, sulfuric acid mist, hydrogen chloride, particulate matter, PM-10, lead, mercury, beryllium and fluorides shall be controlled by employing a dry-lime scrubber, activated carbon injection system and a baghouse utilizing fabric filters.

Performance of these controls shall be monitored by the requirements specified in the Emissions Testing and Monitoring conditions as follows.

2. EMISSIONS TESTING / MONITORING

A. Manual stack testing shall be conducted for the following contaminants under representative operating conditions:

- Total Particulate Matter
- Sulfur Dioxide
- Nitrogen Oxides as Nitrogen Dioxide
- Carbon Monoxide
- Oxygen
- Moisture
- Hydrogen Chloride
- Polychlorinated Dibenzo-P-Dioxins
- Polychlorinated Dibenzo Furans
- Total Polycyclic Aromatic Hydrocarbons (PAH)
- Hydrogen Fluoride
- Polychlorinated Biphenyls (PCBs)
- Trace Metals (Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Tin, Vanadium, Zinc)
- Ammonia
- Formaldehyde
- Sulfuric Acid Mist
- Volatile Organic Compounds (VOC's)
- Hexavalent Chrome

B. The list of contaminants given above shall be sampled annually (no more than 12 calendar months following the previous compliance test) unless an alternate sampling schedule for a specific contaminant is provided elsewhere in this permit.

C. Demonstration of compliance with the emissions limits



specified in this Permit shall be only from stack testing performed according to the stack test protocol approved by the Department and CEMS data obtained according to the approved CEMS Monitoring Plan. All testing shall be conducted, where appropriate, according to USEPA Reference Methods, as given in 40 CFR Part 60, Appendix A, and must be acceptable to the Commissioner. Witnessing by the Department of all stack tests is required. The Department will not accept the results of any stack tests done in the absence of the approved protocol, or which are not witnessed.

D. Continuous Monitoring - At a minimum, valid continuous emissions monitoring system data shall be obtained for 75% of the hours per day and 90% of the days per calendar quarter that the MWC is operated and combusting municipal solid waste.

E. Should the Permittee desire, it may request correction of the emissions' limitations contained herein based on an equivalent CO₂ dilution rather than the O₂ diluent provided for in this Permit. The USEPA Test Method 3A (40 CFR 60 Appendix A) shall be used to determine the oxygen concentration at the same location as the carbon dioxide monitor.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-60: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 155

Item 2-60.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN



Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 2-60.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emissions from each furnace flue shall not exceed 37.1 lbs/hr, as measured by 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the Commissioner.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 37.1 pounds per hour

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-61: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 159

Item 2-61.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-61.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for zinc is 8.58E-02 lb/hr from each furnace flue. Compliance stack testing for zinc, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: ZINC



Upper Permit Limit: 8.58E-02 pounds per hour
Reference Test Method: 40 CFR 60 App A RM29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-62: Compliance Demonstration
Effective for entire length of Permit

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 160

Item 2-62.1:

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

Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: CARB1
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2



Regulated Contaminant(s):

CAS No: 007440-62-2 VANADIUM

Item 2-62.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for vanadium is 6.86E-04 lb/hr from each furnace flue. Compliance stack testing for vanadium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the Commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the Department.

Parameter Monitored: VANADIUM

Upper Permit Limit: 6.86E-04 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 2-63: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaces Condition(s) 165

Item 2-63.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001

Emission Point: 00001



Process: MW4	Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

Item 2-63.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emissions from each furnace flue shall not exceed 25 ppmdv, corrected to 7% O₂, using 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the Commissioner, unless uncontrolled emissions are reduced by not less than 95 percent.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 25.0 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Condition 147: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-55

Item 147.1:

The Compliance Demonstration activity will be performed for:



Emission Unit: U-00001

Process: MSW

Item 147.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Permittee shall take measures to exclude from this facility the following:

1. Yard waste (such as leaves, grass, brush/branches and stumps/tree sections;
2. Motor vehicle or other batteries;
3. White goods such as hot water boilers, washers and/or dryers, refrigerator, metal furniture, mattresses and other household appliances, or bulk waste having dimensions larger than the furnace ram feeder;
4. Hazardous waste as defined in 6 NYCRR Part 371;
5. Explosives;
6. Radiation equipment or radioactive materials as defined by 6 NYCRR Part 380;
7. Pathological or biological waste (i.e. regulated medical waste as defined in 6 NYCRR Part 364);
8. Tires.

Note: Municipal solid waste which includes non-hazardous residential, commercial, governmental and/or industrial waste streams are acceptable as approved on a case by case basis by the NYSDEC.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 148: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-57

Item 148.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 148.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operating requirement for this permit: The total facility



charging rate shall not exceed 821,250 tons per year.
Waste charge is recorded on a per delivery basis to track compliance with this limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 149: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-59

Item 149.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Process: MSW

Item 149.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. OPERATION REQUIREMENTS

A. Emissions of sulfur dioxide, sulfuric acid mist, hydrogen chloride, particulate matter, PM-10, lead, mercury, beryllium and fluorides shall be controlled by employing a dry-lime scrubber, activated carbon injection system and a baghouse utilizing fabric filters. Performance of these controls shall be monitored by the requirements specified in the Emissions Testing and Monitoring conditions as follows.

2. EMISSIONS TESTING / MONITORING

A. Manual stack testing shall be conducted for the following contaminants under representative operating conditions:

- Total Particulate Matter
- Sulfur Dioxide
- Nitrogen Oxides as Nitrogen Dioxide
- Carbon Monoxide
- Oxygen
- Moisture
- Hydrogen Chloride
- Polychlorinated Dibenzo-P-Dioxins



- Polychlorinated Dibenzo Furans
- Total Polycyclic Aromatic Hydrocarbons (PAH)
- Hydrogen Fluoride
- Polychlorinated Biphenyls (PCBs)
- Trace Metals (Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Tin, Vanadium, Zinc)
- Ammonia
- Formaldehyde
- Sulfuric Acid Mist
- Volatile Organic Compounds (VOC's)
- Hexavalent Chrome

B. The list of contaminants given above shall be sampled annually (no more than 12 calendar months following the previous compliance test) unless an alternate sampling schedule for a specific contaminant is provided elsewhere in this permit.

C. Demonstration of compliance with the emissions limits specified in this Permit shall be only from stack testing performed according to the stack test protocol approved by the Department and CEMS data obtained according to the approved CEMS Monitoring Plan. All testing shall be conducted, where appropriate, according to USEPA Reference Methods, as given in 40 CFR Part 60, Appendix A, and must be acceptable to the Commissioner. Witnessing by the Department of all stack tests is required. The Department will not accept the results of any stack tests done in the absence of the approved protocol, or which are not witnessed.

D. Continuous Monitoring - At a minimum, valid continuous emissions monitoring system data shall be obtained for 75% of the hours per day and 90% of the days per calendar quarter that the MWC is operated and combusting municipal solid waste.

E. Should the Permittee desire, it may request correction of the emissions' limitations contained herein based on an equivalent CO₂ dilution rather than the O₂ diluent provided for in this Permit. The USEPA Test Method 3A (40 CFR 60 Appendix A) shall be used to determine the oxygen concentration at the same location as the carbon dioxide monitor.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 150: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)



Replaced by Condition(s) 2-49

Item 150.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: DENOX

Regulated Contaminant(s):

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

Item 150.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

1. Nitrogen oxides (NO_x) emissions from each furnace flue shall not exceed 150 ppmdv, corrected to 7% O₂, on a twenty-four hour daily arithmetic average (24-hour block).
2. The permittee shall install, operate and maintain a urea injection or other selective non-catalytic reduction system (SNCR) for the control of NO_x emissions from each furnace. Emissions of NO_x shall be minimized by limiting excess air into the combustion zone and maintaining combustion parameters which are specified in the design of the incinerator, and proper operation of the SNCR. The incinerator shall employ the use of roller grates with overfire air and underfire air and ammonia / urea injection. Performance of these controls shall be monitored by the use of continuous emission monitoring system (CEMS) to monitor NO_x concentrations in the stack.

Compliance shall be based on CEMS in accordance with 40 CFR 60 Appendix B and F. Excess emissions are to be reported.

Manufacturer Name/Model Number: TECO MODEL 42C or equivalent

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 150.0 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: METHOD 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 151: Compliance Demonstration



Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-47

Item 151.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: DENOX

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

Item 151.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Ammonia emissions from each furnace flue shall not exceed 50 ppm_{dv} @ 7% O₂ or 17.4 lb/hr whichever is more stringent. Compliance shall be based on stack tests using USEPA draft Method 26A or any other method that will be acceptable to the commissioner.

Parameter Monitored: AMMONIA

Upper Permit Limit: 50.0 parts per million by volume
(dry, corrected to 7% O₂)

Reference Test Method: METHOD 26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 152: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-54

Item 152.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 152.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING



Monitoring Description:

Permit limit for chromium vi is 1.96e-03 lb/hr from each furnace flue. Permit limit for total chromium is 6.86E-03 lb/hr from each furnace flue. Compliance stack testing for chromium VI will not be required by the department provided that testing is done for total chromium and the emission for total chromium is less than the permit limit for chromium VI. Compliance stack testing for total chromium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department. If required, compliance testing for chromium VI will be done using 40 CFR 60, Appendix A, Method 0013 or any equivalent method acceptable to the commissioner.

Parameter Monitored: CHROMIUM(VI)

Upper Permit Limit: 1.96E-03 pounds per hour

Reference Test Method: METHOD 0013

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 153: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-52

Item 153.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007440-50-8 COPPER

Item 153.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for copper is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for copper, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.



Parameter Monitored: COPPER
Upper Permit Limit: 8.58E-03 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 154: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-53

Item 154.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007440-48-4 COBALT

Item 154.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for cobalt is 1.72E-03 lb/hr from each furnace flue. Compliance stack testing for cobalt, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.

Parameter Monitored: COBALT
Upper Permit Limit: 1.72E-03 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 155: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-60

Item 155.1:

The Compliance Demonstration activity will be performed for:



Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 155.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emissions from each furnace flue shall not exceed 37.1 lbs/hr, as measured by 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the commissioner.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 37.1 pounds per hour

Reference Test Method: METHOD 26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 156: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-50

Item 156.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 156.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for manganese is 3.43E-02 lb/hr from each furnace flue. Compliance stack testing for manganese using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.



Parameter Monitored: MANGANESE
Upper Permit Limit: 3.43E-02 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 157: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-45

Item 157.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007782-49-2 SELENIUM

Item 157.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for selenium is 6.95E-04 lb/hr from each furnace flue. Compliance stack testing for selenium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner, is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.

Parameter Monitored: SELENIUM
Upper Permit Limit: 6.95E-04 pounds per hour
Reference Test Method: METHOD 29
Monitoring Frequency: ANNUALLY
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 158: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-56

Item 158.1:

The Compliance Demonstration activity will be performed for:



Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

Regulated Contaminant(s):
CAS No: 007440-36-0 ANTIMONY

Item 158.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for antimony is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for antimony using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.

Parameter Monitored: ANTIMONY

Upper Permit Limit: 8.58E-03 pounds per hour

Reference Test Method: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 159: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-61

Item 159.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 159.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for zinc is 8.58E-02 lb/hr from each furnace flue. Compliance stack testing for zinc, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the



department.

Parameter Monitored: ZINC

Upper Permit Limit: 8.58E-02 pounds per hour

Reference Test Method: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 160: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-62

Item 160.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: FABRI

Regulated Contaminant(s):

CAS No: 007440-62-2 VANADIUM

Item 160.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for vanadium is 6.86E-04 lb/hr from each furnace flue. Compliance stack testing for vanadium using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.

Parameter Monitored: VANADIUM

Upper Permit Limit: 6.86E-04 pounds per hour

Reference Test Method: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 161: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-48

Item 161.1:



The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: FABRI

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

Item 161.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for nickel is 8.58E-03 lb/hr from each furnace flue. Compliance stack testing for nickel, using 40 CFR 60, Appendix A, Method 29 or any equivalent method acceptable to the commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.

Parameter Monitored: NICKEL METAL AND INSOLUBLE COMPOUNDS

Upper Permit Limit: 8.58E-03 pounds per hour

Reference Test Method: METHOD 29

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 162: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-46

Item 162.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

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

Item 162.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for polycyclic aromatic hydrocarbons (toxic equivalent PAHs) is 4.17E-04 lb/hr from each furnace flue. Compliance stack testing for PAHs using 40 CFR 60, Appendix A, Method 23 or any equivalent method acceptable



to the commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.

Parameter Monitored: POLYCYCLIC AROMATIC HYDROCARBONS

Upper Permit Limit: 4.17E-04 pounds per hour

Reference Test Method: METHOD 23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 163: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-58

Item 163.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Process: MSW

Emission Source: INCIN

Regulated Contaminant(s):

CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 163.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for polychlorinated biphenyls (PCBs) is 2.45E-04 lb/hr from each furnace flue. Compliance stack testing for PCBs using 40 CFR 60, Appendix A, Method 23 or any equivalent method acceptable to the commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.

Parameter Monitored: POLYCHLORINATED BIPHENYL

Upper Permit Limit: 2.45E-04 pounds per hour

Reference Test Method: METHOD 23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 164: Compliance Demonstration
Effective between the dates of 06/05/2007 and Permit Expiration Date



Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-51

Item 164.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: INCIN

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

Item 164.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Permit limit for formaldehyde is 9.80E-02 lb/hr from each furnace flue. Compliance stack testing for formaldehyde using 40 CFR 60, Appendix IX, Method 0011 or any equivalent method acceptable to the commissioner is required during calendar year 2007 and at a minimum of once every five years, thereafter, unless more frequent testing is required by the department.

Parameter Monitored: FORMALDEHYDE

Upper Permit Limit: 9.80E-02 pounds per hour

Reference Test Method: METHOD 0011

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 165: Compliance Demonstration

Effective between the dates of 06/05/2007 and Permit Expiration Date

Applicable State Requirement:6NYCRR 617.11(d)(5)

Replaced by Condition(s) 2-63

Item 165.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: 00001
Process: MSW Emission Source: SPRAY

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

Item 165.2:

Compliance Demonstration shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Hydrogen chloride emissions from each furnace flue shall not exceed 25 ppmdv, corrected to 7% O2, using 40 CFR 60, Appendix A, Method 26A or any equivalent method acceptable to the commissioner, unless uncontrolled emissions are reduced by not less than 95 percent.

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 25.0 parts per million by volume (dry, corrected to 7% O2)

Reference Test Method: METHOD 26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 2-64: Compliance Demonstration Effective for entire length of Permit

Applicable State Requirement:6NYCRR 219-7.2

Item 2-64.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: DENOX

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: FABRI

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: INCIN

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: SPRAY

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: 10002

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: CARB2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: DNOX2



Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: FABR2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: INCI2

Emission Unit: U-00001
Process: MW4

Emission Point: 00001
Emission Source: SPRA2

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

Item 2-64.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 85 percent reduction by weight Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively.

Parameter Monitored: MERCURY

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 2-65: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 219-7.2

Item 2-65.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: 00002

Emission Unit: U-00001
Process: MW3

Emission Point: 00001
Emission Source: CARB1



Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: DENOX
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-00001 Process: MW3	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: 10002
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: CARB2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: DNOX2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: FABR2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: INCI2
Emission Unit: U-00001 Process: MW4	Emission Point: 00001 Emission Source: SPRA2

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

Item 2-65.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (percent reduction), or the concentration Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively.

Parameter Monitored: MERCURY

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



Reference Test Method: EPA Ref. Method 29
Monitoring Frequency: ANNUALLY
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 9-2911-00113/00039

Facility DEC ID: 9291100113

