



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 5-5344-00001/00016
Mod 0 Effective Date: 09/01/2004 Expiration Date: 08/31/2009

Mod 1 Effective Date: 05/01/2006 Expiration Date: 08/31/2009

Mod 2 Effective Date: Expiration Date:

Permit Issued To: WHEELABRATOR HUDSON FALLS LLC
93 RIVER ST
HUDSON FALLS, NY 12839

Contact: MAURICE C HOLCOMB
WHEELABRATOR HUDSON FALLS LLC
93 RIVER ST
HUDSON FALLS, NY 12839
(518) 747-2390

Facility: WHEELABRATOR HUDSON FALLS
93 RIVER ST
HUDSON FALLS, NY 12839-1354

Description:

The Wheelabrator Hudson Falls, L.L.C. facility is designed to process 600 tons per day of municipal solid waste and/or solid waste. The facility consists of two identical municipal waste combustors with state-of-the-art pollution control equipment.

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 5 SUBOFFICE
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- Submission of application for permit modification or renewal-REGION 5 SUBOFFICE - WARRENSBURG



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 2-1: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6NYCRR 621.11

Item 2-1.1:

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

Item 2-1.2:

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

Item 2-1.3:

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



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

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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

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

Item 2-2.1:

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

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

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

Item 4.1:

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

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



permitted activity.

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

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

Applicable State Requirement: 6NYCRR 621.5(a)

Replaced by Condition(s) 1-1

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 5 Sub-office
Division of Environmental Permits
232 Hudson St, PO Box 220
Warrensburg, NY 12885-0220
(518) 623-1281

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

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

Replaces Condition(s) 5

Item 1-1.1:

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

NYSDEC Regional Permit Administrator
Region 5 Sub-office
Division of Environmental Permits
232 Golf Course Road, PO Box 220
Warrensburg, NY 12885-0220
(518) 623-1281

**Condition 2-3: Submission of application for permit modification or renewal-REGION 5
SUBOFFICE - WARRENSBURG**

Applicable State Requirement: 6NYCRR 621.6(a)

Item 2-3.1:

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

NYSDEC Regional Permit Administrator
Region 5 Sub-office
Division of Environmental Permits
232 Golf Course Road, PO Box 220
Warrensburg, NY 12885-0220
(518) 623-1281

New York State Department of Environmental Conservation

Permit ID: 5-5344-00001/00016

Facility DEC ID: 5534400001



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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93 RIVER ST
HUDSON FALLS, NY 12839

Facility: WHEELABRATOR HUDSON FALLS
93 RIVER ST
HUDSON FALLS, NY 12839-1354

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

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 5 SUBOFFICE
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- Submission of application for permit modification or renewal-REGION 5 SUBOFFICE - WARRENSBURG

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 2-1 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-6 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1 6NYCRR 201-6: Emission Unit Definition
- 11 40CFR 60.33b, NSPS Subpart Cb: Compliance Certification
- 12 40CFR 60.33b, NSPS Subpart Cb: Compliance Certification
- 13 40CFR 60.33b, NSPS Subpart Cb: Compliance Certification
- 14 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 15 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 16 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 17 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 18 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 19 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 20 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 21 40CFR 60.33b(c)(1)(i), NSPS Subpart Cb: Compliance Certification
- 22 40CFR 60.33b(d), NSPS Subpart Cb: Compliance Certification
- 23 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 24 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 25 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 26 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 27 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification
- 28 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 2-2 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 29 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.
- 30 40CFR 60.38b(a), NSPS Subpart Cb: Compliance Certification
- 2-3 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 1-16 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 1-17 40CFR 60.44b(d), NSPS Subpart Db: Compliance Certification
- 2-4 40CFR 60.58b, NSPS Subpart Eb: Compliance Certification



- 32 40CFR 60.58b, NSPS Subpart Eb: Compliance Certification
- 33 40CFR 60.58b, NSPS Subpart Eb: Compliance Certification

Emission Unit Level

- 36 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 37 6NYCRR 201-6: Process Definition By Emission Unit
- 2-5 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 2-6 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 2-7 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 2-8 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 2-9 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 2-10 40CFR 60.33b(a)(4), NSPS Subpart Cb: Compliance Certification
- 2-11 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 2-12 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 2-13 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 2-14 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 2-15 40CFR 60.33b(c)(1)(ii), NSPS Subpart Cb: Compliance Certification
- 2-16 40CFR 60.33b(d), NSPS Subpart Cb: Compliance Certification
- 2-17 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 2-18 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 2-19 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=002,ES=00001

- 2-20 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 2-21 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 2-22 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

EU=U-00001,EP=00001,Proc=002,ES=00001

- 2-23 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 38 ECL 19-0301: Contaminant List
- 1-18 6NYCRR 219-7.2: Compliance Demonstration
- 2-24 6NYCRR 219-7.2: Compliance Demonstration
- 41 6NYCRR 219-7.2: Compliance Demonstration
- 42 6NYCRR 219-7.2: Compliance Demonstration
- 2-25 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-26 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-27 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-28 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-29 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-30 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-31 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-32 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-33 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-34 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-35 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-36 6NYCRR 617.11(d)(5): Compliance Demonstration
- 2-37 6NYCRR 617.11(d)(5): Compliance Demonstration
- 47 6NYCRR 617.11(d)(5): Compliance Demonstration
- 48 6NYCRR 617.11(d)(5): Compliance Demonstration
- 49 6NYCRR 617.11(d)(5): Compliance Demonstration
- 50 6NYCRR 617.11(d)(5): Compliance Demonstration



- 52 6NYCRR 617.11(d)(5): Compliance Demonstration
- 53 6NYCRR 617.11(d)(5): Compliance Demonstration
- 55 6NYCRR 617.11(d)(5): Compliance Demonstration
- 56 6NYCRR 617.11(d)(5): Compliance Demonstration
- 57 6NYCRR 617.11(d)(5): Compliance Demonstration
- 58 6NYCRR 617.11(d)(5): Compliance Demonstration
- 59 6NYCRR 617.11(d)(5): Compliance Demonstration
- 60 6NYCRR 617.11(d)(5): Compliance Demonstration
- 61 6NYCRR 617.11(d)(5): Compliance Demonstration

Emission Unit Level

- 2-38 6NYCRR 219-7.2: Compliance Demonstration
- 2-39 6NYCRR 219-7.2: Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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



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



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

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

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

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

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

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

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



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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

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

Condition 2-1: Prohibition of Reintroduction of Collected Contaminants to the air

Effective for entire length of Permit

Applicable Federal Requirement:6NYCRR 201-1.8

Replaces Condition(s) 1-6

Item 2-1.1:

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

Condition 1-6: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 05/01/2006 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-1.8

Replaced by Condition(s) 2-1

Item 1-6.1:

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

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

Condition 1: Emission Unit Definition



Effective between the dates of 09/01/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Item 1.1(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 one of two identical municipal waste combustors (Source ID 00001) followed by a powdered activated carbon (PAC) injection system (source ID 00007) for mercury control, a dry scrubber absorber (Source ID 00002) for acid gas control and an electrostatic precipitator (Source ID 00003) for particulate control. Each municipal waste combustor is discharged via a dedicated flue in a common stack

Building(s): 1

Item 1.2(From Mod 2):

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

Emission Unit: U-00002

Emission Unit Description:

This emission unit consists of one of two identical municipal waste combustors (Source ID 00004) followed by a powdered activated carbon (PAC) injection system (Source ID 00008) for mercury control, a dry scrubber (Source ID 00005) for acid gas control and an electrostatic precipitator (Source ID 00006) for particulate control. Each municipal waste combustor discharged via a dedicated flue in a common stack.

Building(s): 1

Condition 11: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Expired by Mod 2

Item 11.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE



Item 11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for hydrogen chloride contained in the exhaust gases discharged to the atmosphere is 29 parts per million by volume (dry basis) or 5% of the potential hydrogen chloride emission concentration (95% reduction by weight or volume), corrected to 7% oxygen (dry basis), whichever is less stringent. There is an additional limit of either 35 ppm or 95% reduction, (corrected to 7% oxygen, dry basis) required under 6NYCRR 617.11(d)(5).

Parameter Monitored: HYDROGEN CHLORIDE

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

Reference Test Method: Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 12: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Expired by Mod 2

Item 12.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for hydrogen chloride contained in the exhaust gases discharged to the atmosphere is 29 parts per million by volume (dry basis) or 5% of the potential hydrogen chloride emission concentration (95% reduction by weight or volume), corrected to 7% oxygen (dry basis), whichever is less stringent. There is an additional limit



of either 35 ppm or 95% reduction, (corrected to 7% oxygen, dry basis) required under 6NYCRR 617.11(d)(5).

Parameter Monitored: HYDROGEN CHLORIDE

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

Reference Test Method: Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 13: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Expired by Mod 2

Item 13.1:

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

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for lead contained in exhaust gases discharged to the atmosphere is 0.44 mg/dscm (corrected to 7% oxygen). There is an additional limit of 0.5 mg/dscm (corrected to 7% oxygen) required under 6NYCRR 617.11(d)(5).

Parameter Monitored: LEAD

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

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 14: Compliance Certification



Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-5

Item 14.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Item 14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The NSPS emission limit for particulates contained in the exhaust gases discharged to the atmosphere is 27 milligrams per dry standard cubic meter (corrected to 7% oxygen). There are additional BACT limits of 27 milligrams per dry standard cubic meter (corrected to 7% oxygen) and 0.1 pounds per million Btus required under 40CFR 52.21(j)(2).

Parameter Monitored: PARTICULATES

Upper Permit Limit: 27 milligrams per dry standard cubic meter (corrected to 7% oxygen)

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 15: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-6

Item 15.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004



Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit for opacity exhibited by the gases discharged to the atmosphere is 10% (6 minute block average). This limit is also required under 6NYCRR 617.11(d)(5).

Manufacturer Name/Model Number: Teledyne Monitor Labs Lighthawk 560

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: PS-1

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 16: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-7

Item 16.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for cadmium contained in gases discharged to the atmosphere is 0.040 milligrams per dry standard cubic meter (corrected to 7% oxygen). This limit is also required under 6NYCRR 617.11(d)(5).



Parameter Monitored: CADMIUM

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

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 17: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-8

Item 17.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 17.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury contained in the exhaust
gases discharged to the atmosphere is 0.080 mg/dscm
(corrected to 7% oxygen) or 85% reduction by weight,
whichever is less stringent.

Parameter Monitored: MERCURY

Upper Permit Limit: 0.080 milligrams per dry standard
cubic meter (corrected to 7% oxygen)

Reference Test Method: Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 18: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-9



Item 18.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

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

Item 18.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury contained in the exhaust gases discharged to the atmosphere is 0.080 mg/dscm (corrected to 7% oxygen) or 85% reduction by weight, whichever is less stringent.

Parameter Monitored: MERCURY
Lower Permit Limit: 85 percent reduction by weight
Reference Test Method: Method 29
Monitoring Frequency: ANNUALLY
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 19: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Expired by Mod 2

Item 19.1:

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

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004

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

Item 19.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit for sulfur dioxide contained in the exhaust gases discharged to the atmosphere is 29 parts per million by volume or 25% of the potential sulfur dioxide emission concentration (75% reduction by weight or volume), corrected to 7% oxygen (dry basis), whichever is less stringent. There is an additional limit of 35 parts per million (dry, corrected to 7%) required under 40CFR 52.21(j)(2).

Manufacturer Name/Model Number: Anarand AR-30

Parameter Monitored: SULFUR DIOXIDE

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

Reference Test Method: PS-2

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 20: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Expired by Mod 2

Item 20.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit for sulfur dioxide contained in the exhaust gases discharged to the atmosphere is 29 parts per million by volume (dry basis) or 25% of the potential sulfur dioxide emission concentration (75% reduction by weight or volume), corrected to 7% oxygen (dry basis), whichever is less stringent.



Manufacturer Name/Model Number: Anarand AR-30
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 75 percent reduction by weight or
volume (corrected to 7% O₂, dry
basis)

Reference Test Method: PS-2
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 21: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Expired by Mod 2

Item 21.1:

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

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004

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

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for dioxins/furans contained in the
exhaust gases discharged to the atmosphere is 60 nanograms
per dry standard cubic meter (total mass), corrected to 7%
oxygen.

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

Upper Permit Limit: 60 nanograms per dry standard cubic
meter (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 22: Compliance Certification



Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-16

Item 22.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

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

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit for nitrogen oxides contained in the exhaust gases discharged to the atmosphere is 205 parts per million by volume (dry, corrected to 7% oxygen).

Manufacturer Name/Model Number: Thermo Environmental Instruments, Model 42H

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 205 parts per million by volume

(dry, corrected to 7% O₂)

Reference Test Method: PS-2

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 23: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-17

Item 23.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002



Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit for carbon monoxide contained in the exhaust gases discharged to the atmosphere is 100 parts per million (dry, corrected to 7% oxygen). This limit is also required under 40CFR 52.21(j)(2).

Manufacturer Name/Model Number: Anarand AR-50

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: PS4

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 24: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-18

Item 24.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Item 24.2:

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 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.

Parameter Monitored: STEAM OUTPUT

Upper Permit Limit: 110 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 25: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-19

Item 25.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Item 25.2:

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)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 26: Operating Manual

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-20

Item 26.1:

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

This manual must be found acceptable by the Department.

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



(11) Reporting and recording keeping procedures.

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

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

(2) Annually, following the initial training.

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

Condition 27: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-22

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 28: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-2

Item 28.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Regulated Contaminant(s):

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

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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. The emission limit does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, the emission limit 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: Method 22

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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



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

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

Replaces Condition(s) 28

Item 2-2.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-2.2:

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 29: Compliance and performance testing.
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-23

Item 29.1:

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 29.2:

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 30: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Expired by Mod 2

Item 30.1:

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

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The standards under this subpart apply at all times except during startup, shutdown or malfunction. Durations of startup, shutdown or malfunction periods are limited to 3 hours per occurrence. The startup period commences when the facility begins the continuous burning of municipal solid waste and does not include any warmup period when the facility is combusting



fossil fuel and no municipal solid waste is being fed to the combustor.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

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

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

Replaces Condition(s) 1-16

Item 2-3.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-3.2:

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 1-16: Compliance Certification
Effective between the dates of 05/01/2006 and Permit Expiration Date

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

Replaced by Condition(s) 2-3
Replaces Condition(s) 31

Item 1-16.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2006.
Subsequent reports are due every 6 calendar month(s).

Condition 1-17: Compliance Certification
Effective between the dates of 05/01/2006 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.44b(d), NSPS Subpart Db

Expired by Mod 2

Item 1-17.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Item 1-17.2:

Compliance Certification shall include the following monitoring:

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



Monitoring Description:

Each MWC shall not have an annual capacity factor, as defined in 40 CFR Part 60, Subpart Db, of 10% or more for coal, oil, natural gas or a mixture of these fuels.

Parameter Monitored: FUEL

Upper Permit Limit: 10 percent

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2006.

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

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

Applicable Federal Requirement: 40CFR 60.58b, NSPS Subpart Eb

Replaces Condition(s) 33

Item 2-4.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-4.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The carbon feeder screw speed (rpm), which is the primary indicator of the carbon mass feed rate must equal or exceed the level documented during the performance test (based on an 8-hour block average) specified under paragraphs(m)(1)(i) of this section or the corrected screw feeder speed obtained during periodic calibration.

Deviations from this level caused by short-term interruptions (e.g. , maintenance, calibration, malfunctions or other unavoidable conditions) may be excused, provided, during the subsequent portion of the averaging period, the required carbon mass feed rate is obtained. To minimize carbon injection system downtime, good engineering practices must always be applied.

The permitte shall report the calender dates when the screw speeds are below levels estimated during the performance test, with reasons of such occurrence and corrective actions. In addition for the dates identified, include the hourly carbon mass feed rate data recorded under 40CFR60.59b (d)(4)(iii).

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 32: Compliance Certification

Effective between the dates of 09/01/2004 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.58b, NSPS Subpart Eb

Expired by Mod 2

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 32.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

During performance tests for mercury, the permittee shall estimate activated carbon mass feed rate (#/hr), based on feeder screw speed (rpm). The mass feed rate will be the hourly average, calculated over the performance test period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 33: Compliance Certification
Effective between the dates of 09/01/2004 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.58b, NSPS Subpart Eb

Replaced by Condition(s) 2-4

Item 33.1:

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

Emission Unit: U-00001

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The carbon feeder screw speed (rpm), which is the primary indicator of the carbon mass feed rate must equal or exceed the level documented during the performance test (based on a one hour average) specified under paragraphs(m)(1)(i) of this section or the corrected screw feeder speed obtained during periodic calibration.

Deviations from this level caused by short-term interruptions (e.g. , maintenance, calibration, malfunctions or other unavoidable conditions) may be excused, provided, during the subsequent portion of the averaging period, the required carbon mass feed rate is obtained. To minimize carbon injection system downtime, good engineering practices must always be applied.

The permittee shall report the calendar dates when the screw speeds are below levels estimated during the



performance test, with reasons of such occurrence and corrective actions. In addition for the dates identified, include the hourly carbon mass feed rate data recorded under 40CFR60.59b (d)(4)(iii).

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 6 calendar month(s).

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

Condition 36: Emission Point Definition By Emission Unit
Effective between the dates of 09/01/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Item 36.1(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.): 316 Diameter (in.): 48
NYTMN (km.): 4795.702 NYTME (km.): 614.218

Item 36.2(From Mod 2):

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

Emission Unit: U-00002

Emission Point: 00002
Height (ft.): 316 Diameter (in.): 48
NYTMN (km.): 4795.7 NYTME (km.): 614.22

Condition 37: Process Definition By Emission Unit
Effective between the dates of 09/01/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Item 37.1(From Mod 2):

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

Emission Unit: U-00001
Process: 001 Source Classification Code: 3-90-006-89

Process Description:

This process involves natural gas combustion during upset conditions and as supplemental fuel during startup and



shutdown. Because this unit is operated on natural gas only during warm up prior to introducing waste, all the emission limits and compliance are associated with process 002 for this emission unit.

Emission Source/Control: 00002 - Control
Control Type: WET LIME SLURRY SCRUBBING

Emission Source/Control: 00003 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 00007 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 00001 - Incinerator
Design Capacity: 275 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Item 37.2(From Mod 2):

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

Emission Unit: U-00001
Process: 002 Source Classification Code: 5-03-001-12
Process Description:
This process involves municipal solid waste and/or solid waste combustion (mass-burn) in a water wall refractory combustor to generate electricity for sale.

Emission Source/Control: 00002 - Control
Control Type: WET LIME SLURRY SCRUBBING

Emission Source/Control: 00003 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 00007 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 00001 - Incinerator
Design Capacity: 275 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Item 37.3(From Mod 2):

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

Emission Unit: U-00002
Process: 003 Source Classification Code: 3-90-006-89
Process Description:
This process involves natural gas combustion during upset conditions and as supplemental fuel during startup and



shutdown. Because this unit is operated on natural gas only during warm up prior to introducing waste, all the emission limits and compliance are associated with process 004 for this emission unit.

Emission Source/Control: 00005 - Control
Control Type: WET LIME SLURRY SCRUBBING

Emission Source/Control: 00006 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 00008 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 00004 - Incinerator
Design Capacity: 275 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

Item 37.4(From Mod 2):

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

Emission Unit: U-00002
Process: 004 Source Classification Code: 5-03-001-12
Process Description:
This process involves municipal solid waste and/or solid waste combustion (mass-burn) in a water wall refractory combustor to generate electricity for sale.

Emission Source/Control: 00005 - Control
Control Type: WET LIME SLURRY SCRUBBING

Emission Source/Control: 00006 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 00008 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 00004 - Incinerator
Design Capacity: 275 tons per day
Waste Feed Method: CHUTE FED
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

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

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

Replaces Condition(s) 14

Item 2-5.1:

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

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

Item 2-5.2:

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

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

Replaces Condition(s) 15

Item 2-6.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-6.2:

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

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

Replaces Condition(s) 16

Item 2-7.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008
Regulated Contaminant(s): CAS No: 007440-43-9 CADMIUM	

Item 2-7.2:

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

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

Replaces Condition(s) 17

Item 2-8.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Regulated Contaminant(s):



CAS No: 007439-97-6 MERCURY

Item 2-8.2:

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

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

Replaces Condition(s) 18

Item 2-9.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00001
Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00002
Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00003
Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00007



Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-9.2:

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

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

Item 2-10.1:

The Compliance Certification activity will be performed for the facility:



The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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:

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

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

Item 2-11.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

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:

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

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

Item 2-12.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

Item 2-12.2:

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

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

Item 2-13.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002	Emission Point: 00002



Process: 004

Emission Source: 00008

Regulated Contaminant(s):

CAS No: 007647-01-0

HYDROGEN CHLORIDE

Item 2-13.2:

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

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

Item 2-14.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001

Process: 002

Emission Point: 00001

Emission Source: 00001

Emission Unit: U-00001

Process: 002

Emission Point: 00001

Emission Source: 00002

Emission Unit: U-00001

Process: 002

Emission Point: 00001

Emission Source: 00003

Emission Unit: U-00001

Emission Point: 00001



Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-14.2:

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

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

Item 2-15.1:



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

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit which employs an electrostatic precipitator for emission controls is required to meet an emission concentration limit for dioxin/furan not to exceed 35 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: 35 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 2-16: Compliance Certification
Effective for entire length of Permit

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

Replaces Condition(s) 22

Item 2-16.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

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

Item 2-16.2:

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

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

Replaces Condition(s) 23

Item 2-17.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-17.2:



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

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

Replaces Condition(s) 24

Item 2-18.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007

Item 2-18.2:

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: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

Replaces Condition(s) 25

Item 2-19.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00002
Process: 004

Emission Point: 00002
Emission Source: 00004

Emission Unit: U-00002
Process: 004

Emission Point: 00002
Emission Source: 00005

Emission Unit: U-00002

Emission Point: 00002



Process: 004	Emission Source: 00006
Emission Unit: U-00002	Emission Point: 00002
Process: 004	Emission Source: 00008
Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00001
Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00002
Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00003
Emission Unit: U-00001	Emission Point: 00001
Process: 002	Emission Source: 00007

Item 2-19.2:

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)



- (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 2-21: Operator Training
Effective for entire length of Permit

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

Item 2-21.1:

This Condition applies to:

Emission Unit: U00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U00002 Process: 004	Emission Point: 00002 Emission Source: 00008



Item 2-21.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Item 2-21.2.3:

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

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

Replaces Condition(s) 27

Item 2-22.1:

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

Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007

Item 2-22.2:

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 2-23: Compliance and performance testing.
Effective for entire length of Permit**

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

Replaces Condition(s) 29

Item 2-23.1:

This Condition applies to:

Emission Unit: U00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-23.1:

This Condition applies to Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001



Item 2-23.2:

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 2-23.3.4:

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 38: Contaminant List
Effective between the dates of 09/01/2004 and Permit Expiration Date**

Applicable State Requirement:ECL 19-0301

Item 38.1:

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: 007440-38-2



Name: ARSENIC

CAS No: 007440-39-3

Name: BARIUM

CAS No: 000050-32-8

Name: BENZO(A)PYRENE

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: 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 1-18: Compliance Demonstration

Effective between the dates of 05/01/2006 and Permit Expiration Date

Applicable State Requirement:6NYCRR 219-7.2

Expired by Mod 2

Replaces Condition(s) 43

Item 1-18.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 1-18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is of 28 ug/dscm (corrected to 7% oxygen) or 85% removal, whichever is less stringent. 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 test procedures contained in 40 CFR 60.58b(d)(2). However, the average of all MWCs units may be used to determine compliance with this limit through October 29, 2006. After this date, each MWC must be in compliance with this limit, independently. 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 by weight

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Applicable State Requirement:6NYCRR 219-7.2

Item 2-24.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008



Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 2-24.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility shall maintain a carbon injection rate equal or greater than ten pounds per hour based on screw feeder speed (RPM).

Deviations from this level caused by short-term interruptions (e.g. , maintenance, calibration, malfunctions or other unavoidable conditions) may be excused, provided, during the subsequent portion of the averaging period, the required carbon mass feed rate is obtained. To minimize carbon injection system downtime, good engineering practices must always be applied.

Parameter Monitored: CARBON

Lower Permit Limit: 10 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

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 Demonstration

Effective between the dates of 09/01/2004 and Permit Expiration Date

Applicable State Requirement:6NYCRR 219-7.2

Expired by Mod 2

Item 41.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Emission Unit: U-00002

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 41.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is of 28 ug/dscm (corrected to 7% oxygen) or 85% removal, whichever is less



stringent. 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 test procedures contained in 40 CFR 60.58b(d)(2). However, the average of all MWCs units may be used to determine compliance with this limit through October 29, 2006. After this date, each MWC must be in compliance with this limit, independently. 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 42: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 219-7.2

Expired by Mod 2

Item 42.1:

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

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 42.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The facility shall maintain a carbon injection rate equal or greater than ten pounds per hour based on screw feeder speed (RPM).

Deviations from this level caused by short-term interruptions (e.g. , maintenance, calibration,



malfunctions or other unavoidable conditions) may be excused, provided, during the subsequent portion of the averaging period, the required carbon mass feed rate is obtained. To minimize carbon injection system downtime, good engineering practices must always be applied.

Parameter Monitored: CARBON
Lower Permit Limit: 10 pounds per hour
Monitoring Frequency: CONTINUOUS
Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 6 calendar month(s).

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

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

Replaces Condition(s) 50

Item 2-25.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

The permittee shall make recordings of the following parameters and provide for their tamper-proof storage:

- A. Continuous emission and operational parameter monitoring data;
- B. Combustion index;
- C. Municipal solid waste charged to each incinerator in tons per day and daily average for each month;
- D. Hourly auxiliary fuel use in each incinerator (cubic feet per hour);
- E. Hourly average steam temperature (degrees Fahrenheit), steam pressure (psi), steam production (lbs/hr), and a rolling 24-hour average of steam production (lbs/hr);
- F. Hourly lime slurry flow (gpm) and lime usage (lbs/hr) for each incinerator's acid gas control device;
- G. Hourly readings, volts, amps and sparking rate, for all electrostatic precipitator fields and hourly average temperature (degrees Fahrenheit) at both inlet and outlet for each incinerator's particulate control device;
- H. Dosing rate (lbs carbon/hr and lbs carbon/calendar quarter), screw feeder speed (rpm), hopper refill frequency and carbon deliveries (dates and quantities) for each incinerator's powdered activated carbon injection system; and
- I. The frequency and duration of maintenance or cleaning periods when control devices are not operational.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

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

Replaces Condition(s) 49

Item 2-26.1:

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

Emission Unit: U-00001

Emission Point: 00001



Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

Regulated Contaminant(s):

CAS No: 000050-32-8	BENZO(A)PYRENE
CAS No: 001336-36-3	POLYCHLORINATED BIPHENYL
CAS No: 130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS

Item 2-26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be performed once per permit term for each incinerator unless additional testing is required by the permitting authority for PAH and the following organic compounds:

PAH: limit- 0.0085 lb/hr
Benzo(A)pyrene: limit - 0.00085 lb/hr
PCB: limit 0.000213 lb/hr

Upper Permit Limit: 0.0085 pounds per hour

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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



Replaces Condition(s) 59

Item 2-27.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

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

Item 2-27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing for VOCs will be performed once per permit term unless additional testing is required by the permitting authority. Emission limit represents emissions of methane. The emission limit for VOC is 4.5lb/hr for each incinerator.

Upper Permit Limit: 4.5 pounds per hour

Reference Test Method: 40 CFR 60 App A RM25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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



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

Replaces Condition(s) 57

Item 2-28.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

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

Item 2-28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing for sulfuric acid will be performed once per permit term unless additional testing is required by the permitting authority. The emission limit is 1.42 lb/hr for each incinerator.

Emission limit represents emissions of sulfuric acid mist (as H2SO4).

Upper Permit Limit: 1.42 pounds per hour
Reference Test Method: 40 CFR 60 App A RM8
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED



Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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

Replaces Condition(s) 60

Item 2-29.1:

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

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-29.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing for Hydrogen Fluoride will be performed once per permit term unless additional testing is required by the permitting authority. The emission limit is 0.04 lb/hr for each incinerator.

Upper Permit Limit: 0.4 pounds per hour

Reference Test Method: 40 CFR 60 App A RM26A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST



METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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

Replaces Condition(s) 56

Item 2-30.1:

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

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-30.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be performed once per permit term unless additional testing is required by the permitting authority. Emissions of total polychlorinated dibenzo-p-dioxins and polychlorinated dibenzo-furans (tetra-octa homologue groups as well as associated 2,3,7,8 substituted congeners) corrected to 7% oxygen, dry basis, and expressed as 2,3,7,8 tetrachlorinated dibenzo-para-dioxin equivalents using the 1989 EPA



(International) Toxic Equivalency Factors, shall not exceed 9.0 ng/dscm for each incinerator.

Upper Permit Limit: 9.0 nanograms per dry standard cubic meter (corrected to 7% O2)

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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

Replaces Condition(s) 53

Item 2-31.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



Stack testing for formaldehyde will be performed once per permit term for each incinerator unless additional testing is required by the permitting authority.

Upper Permit Limit: 0.762 pounds per hour

Reference Test Method: P&CAM 125

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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

Replaces Condition(s) 61

Item 2-32.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008
Regulated Contaminant(s): CAS No: 018540-29-9	CHROMIUM(VI)

Item 2-32.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



Stack testing for Chromium (VI) will be performed once per permit term unless additional testing is required by the permitting authority. The emission limit is 0.002 lb/hr for each incinerator.

Upper Permit Limit: 0.002 pounds per hour

Reference Test Method: SW-846-0013

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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

Replaces Condition(s) 48

Item 2-33.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

Regulated Contaminant(s):

- | | |
|---------------------|--------------------------------------|
| CAS No: 007439-96-5 | MANGANESE |
| CAS No: 007440-02-0 | NICKEL METAL AND INSOLUBLE COMPOUNDS |
| CAS No: 007440-39-3 | BARIUM |
| CAS No: 007440-41-7 | BERYLLIUM |
| CAS No: 007440-47-3 | CHROMIUM |
| CAS No: 007440-48-4 | COBALT |



CAS No: 007440-50-8	COPPER
CAS No: 007440-62-2	VANADIUM
CAS No: 007440-66-6	ZINC
CAS No: 007782-49-2	SELENIUM
CAS No: 007440-38-2	ARSENIC

Item 2-33.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be performed once per permit term for each incinerator unless additional testing is required by the permitting authority for arsenic and the following metals:

Arsenic:	- limit - 0.00125
lb/hr	
Beryllium:	- limit - 0.00000465
lb/hr	
Vanadium:	- limit - 0.000342
lb/hr	
Barium:	- limit - 0.005
lb/hr	
Copper:	- limit - 0.0085
lb/hr	
Zinc:	- limit - 0.75
lb/hr	
Chromium:	- limit - 0.065 lb/hr
(emissions of CR+3)	
Selenium:	- limit - 0.001
lb/hr	
Nickel:	- limit - 0.115
lb/hr	
Manganese:	- limit - 0.03
lb/hr	
Cobalt:	- limit - 0.003
lb/hr	

Upper Permit Limit: 0.00125 pounds per hour

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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

Replaces Condition(s) 47



Item 2-34.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-34.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The Permittee must maintain a surrogate temperature of 1100 degrees Fahrenheit or greater, based on a running 15 minute average of readings, recorded at each incinerator's approved permanent thermocouple location. This surrogate will demonstrate compliance with the requirement to maintain a 1500 degree or higher temperature after the last point of overfire air.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1100 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: 15-MINUTE RUNNING LIMIT
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 3 calendar month(s).

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



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

Replaces Condition(s) 58

Item 2-35.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-35.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The auxiliary burner installed in each municipal waste combustor unit shall be used to achieve a minimum temperature of 1500 degrees Fahrenheit after the last point of overfire air prior to commencing municipal solid waste feed during startup, during shutdown until complete burnout is accomplished, during normal or upset operation, and unless otherwise provided for in the Department approved operations and maintenance manual. Compliance with this requirement will be demonstrated by measuring surrogate temperature of 1100 degrees or higher at the incinerator's approved permanent thermocouple location.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1500 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 15-MINUTE RUNNING LIMIT



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

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

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

Replaces Condition(s) 52

Item 2-36.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-36.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A combustion index (CI) shall be maintained at a minimum
of 99.8% based on a running seven day average for each
incinerator. $CI = CO_2 / (CO_2 + CO)$ in %.

Parameter Monitored: COMBUSTION INDEX

Lower Permit Limit: 99.8 percent

Monitoring Frequency: HOURLY

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)



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

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

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

Replaces Condition(s) 55

Item 2-37.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

Item 2-37.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A combustion index (CI) shall be maintained at a minimum
of 99.5% on a running 8 hour average of readings for each
incinerator. $CI = CO_2 / (CO_2 + CO)$ in %.

Manufacturer Name/Model Number: Anarand AR50 & Facility DAS
Parameter Monitored: COMBUSTION INDEX
Lower Permit Limit: 99.5 percent
Monitoring Frequency: HOURLY
Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY
Reporting Requirements: QUARTERLY (CALENDAR)



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

Condition 47: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-34

Item 47.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 47.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The Permittee must maintain a surrogate temperature of 1100 degrees Fahrenheit or greater, based on a running 15 minute average of readings, recorded at the incinerator's approved permanent thermocouple location. This surrogate will demonstrate compliance with the requirement to maintain a 1500 degree or higher temperature after the last point of overfire air.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1100 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 15-MINUTE RUNNING LIMIT

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 48: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-33

Item 48.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007439-96-5 MANGANESE



CAS No: 007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS
CAS No: 007440-39-3	BARIUM
CAS No: 007440-41-7	BERYLLIUM
CAS No: 007440-47-3	CHROMIUM
CAS No: 007440-48-4	COBALT
CAS No: 007440-50-8	COPPER
CAS No: 007440-62-2	VANADIUM
CAS No: 007440-66-6	ZINC
CAS No: 007782-49-2	SELENIUM
CAS No: 007440-38-2	ARSENIC

Item 48.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be performed once per permit term unless additional testing is required by the permitting authority for arsenic and the following metals:

- Arsenic: - limit - 0.00125 lb/hr
- Beryllium: - limit - 0.00000465 lb/hr
- Vanadium: - limit - 0.000342 lb/hr
- Barium: - limit - 0.005 lb/hr
- Copper: - limit - 0.0085 lb/hr
- Zinc: - limit - 0.75 lb/hr
- Chromium: - limit - 0.065 lb/hr (emissions of CR+3)
- Selenium: - limit - 0.001 lb/hr
- Nickel: - limit - 0.115 lb/hr
- Manganese: - limit - 0.03 lb/hr
- Cobalt: - limit - 0.003 lb/hr

Upper Permit Limit: 0.00125 pounds per hour

Reference Test Method: Method 29

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 49: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-26

Item 49.1:

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

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004

Regulated Contaminant(s):

CAS No: 000050-32-8	BENZO(A)PYRENE
CAS No: 001336-36-3	POLYCHLORINATED BIPHENYL
CAS No: 130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS

Item 49.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be performed once per permit term unless additional testing is required by the permitting authority for PAH and the following organic compounds:

PAH: limit- 0.0085 lb/hr
Benzo(A)pyrene: limit - 0.00085 lb/hr
PCB: limit 0.000213 lb/hr

Upper Permit Limit: 0.0085 pounds per hour

Reference Test Method: Method 23

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 50: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-25

Item 50.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 50.2:



Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall make recordings of the following parameters and provide for their tamper-proof storage:

- A. Continuous emission and operational parameter monitoring data;
- B. Combustion index;
- C. Municipal solid waste charged to each incinerator in tons per day and daily average for each month;
- D. Hourly auxiliary fuel use in each incinerator (cubic feet per hour);
- E. Hourly average steam temperature (degrees Fahrenheit), steam pressure (psi), steam production (lbs/hr), and a rolling 24-hour average of steam production (lbs/hr);
- F. Hourly lime slurry flow (gpm) and lime usage (lbs/hr) for each incinerator's acid gas control device;
- G. Hourly readings, volts, amps and sparking rate, for all electrostatic precipitator fields and hourly average temperature (degrees Fahrenheit) at both inlet and outlet for each incinerator's particulate control device;
- H. Dosing rate (lbs carbon/hr and lbs carbon/calendar quarter), screw feeder speed (rpm), hopper refill frequency and carbon deliveries (dates and quantities) for each incinerator's powdered activated carbon injection system; and
- I. The frequency and duration of maintenance or cleaning periods when control devices are not operational.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 52: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-36

Item 52.1:

The Compliance Demonstration activity will be performed for the facility:



The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004

Item 52.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A combustion index (CI) shall be maintained at a minimum of 99.8% based on a running seven day average. $CI = CO_2 / (CO_2 + CO)$ in %.

Parameter Monitored: COMBUSTION INDEX

Lower Permit Limit: 99.8 percent

Monitoring Frequency: HOURLY

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 53: Compliance Demonstration

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-31

Item 53.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004

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

Item 53.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing for formaldehyde will be performed once per permit term unless additional testing is required by the



permitting authority.

Upper Permit Limit: 0.762 pounds per hour

Reference Test Method: P&CAM 125

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 55: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-37

Item 55.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Item 55.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

A combustion index (CI) shall be maintained at a minimum
of 99.5% on a running 8 hour average of readings. CI =
 $CO_2 / (CO_2 + CO)$ in %.

Manufacturer Name/Model Number: Anarand AR50 & Facility DAS

Parameter Monitored: COMBUSTION INDEX

Lower Permit Limit: 99.5 percent

Monitoring Frequency: HOURLY

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2004.

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

Condition 56: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-30

Item 56.1:

The Compliance Demonstration activity will be performed for the facility:



The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004

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

Item 56.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing will be performed once per permit term unless additional testing is required by the permitting authority. Emissions of total polychlorinated dibenzo-p-dioxins and polychlorinated dibenzo furans (tetra-octa homologue groups as well as associated 2,3,7,8 substituted congeners) corrected to 7% oxygen, dry basis, and expressed as 2,3,7,8 tetrachlorinated dibenzo-para-dioxin equivalents using the 1989 EPA (International) Toxic Equivalency Factors, shall not exceed 9.0 ng/dscm.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 9.0 nanogram toxicity equivalence
per dry standard cu meter, corrected
to 7% O₂

Reference Test Method: Method 23

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Demonstration

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-28

Item 57.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004



Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 57.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing for sulfuric acid will be performed once per permit term unless additional testing is required by the permitting authority. The emission limit is 1.42 lb/hr.

Emission limit represents emissions of sulfuric acid mist (as H₂SO₄).

Upper Permit Limit: 1.42 pounds per hour

Reference Test Method: Method 8

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 58: Compliance Demonstration

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-35

Item 58.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 58.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The auxiliary burner installed in each municipal waste combustor unit shall be used to achieve a minimum temperature of 1500 degrees Fahrenheit after the last point of overfire air prior to commencing municipal solid waste feed during startup, during shutdown until complete burnout is accomplished, during normal or upset operation, and unless otherwise provided for in the Department approved operations and maintenance manual. Compliance with this requirement will be demonstrated by measuring surrogate temperature of 1100 degrees or higher at the incinerator's approved permanent thermocouple location.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1500 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS



Averaging Method: 15-MINUTE RUNNING LIMIT
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2004.
Subsequent reports are due every 3 calendar month(s).

Condition 59: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-27

Item 59.1:

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

Emission Unit: U-00001
Process: 002

Emission Unit: U-00002
Process: 004

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

Item 59.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for VOC is 4.5lb/hr.
Stack testing for VOCs will be performed once per permit term unless additional testing is required by the permitting authority. Emission limit represents emissions of methane.

Upper Permit Limit: 4.5 pounds per hour
Reference Test Method: Method 25A
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 60: Compliance Demonstration
Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-29

Item 60.1:

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



Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

CAS No: 007664-39-3 HYDROGEN FLUORIDE

Item 60.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing for Hydrogen Fluoride will be performed once per permit term unless additional testing is required by the permitting authority. The emission limit is 0.04 lb/hr.

Upper Permit Limit: 0.4 pounds per hour

Reference Test Method: Method 26A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 61: Compliance Demonstration

Effective between the dates of 09/01/2004 and Permit Expiration Date

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

Replaced by Condition(s) 2-32

Item 61.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001

Process: 002

Emission Unit: U-00002

Process: 004

Regulated Contaminant(s):

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

Item 61.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing for Chromium (VI) will be performed once per permit term unless additional testing is required by



the permitting authority. The emission limit is 0.002 lb/hr.

Upper Permit Limit: 0.002 pounds per hour
Reference Test Method: SW-846-0013
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**** Emission Unit Level ****

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

Applicable State Requirement:6NYCRR 219-7.2

Item 2-38.1:

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

Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00001
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00002
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00003
Emission Unit: U-00001 Process: 002	Emission Point: 00001 Emission Source: 00007
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00004
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00005
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00006
Emission Unit: U-00002 Process: 004	Emission Point: 00002 Emission Source: 00008

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

Item 2-38.2:

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 2-39: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 219-7.2

Item 2-39.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00001

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00002

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00003

Emission Unit: U-00001 Emission Point: 00001
Process: 002 Emission Source: 00007

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00004

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00005

Emission Unit: U-00002 Emission Point: 00002



Process: 004 Emission Source: 00006

Emission Unit: U-00002 Emission Point: 00002
Process: 004 Emission Source: 00008

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

Item 2-39.2:

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: 5-5344-00001/00016

Facility DEC ID: 5534400001

