



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 1-2820-01727/00028  
Mod 0 Effective Date: 11/24/2004 Expiration Date: 11/23/2009

Mod 1 Effective Date: Expiration Date:

Mod 2 Effective Date: Expiration Date:

Permit Issued To: COVANTA HEMPSTEAD COMPANY  
600 MERCHANTS CONCOURSE  
WESTBURY, NY 11590

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

Facility: HEMPSTEAD RESOURCE RECOVERY FACILITY  
600 MERCHANTS CONCOURSE  
WESTBURY, NY 11590

Contact: SCOTT WHEELER  
COVANTA HEMPSTEAD COMPANY  
600 MERCHANTS CONCOURSE  
WESTBURY, NY 11590  
(516) 683-5438

**Description:**

The site consists of three waste-to-energy systems combusting solid wastes. The facility is located at the intersection of the Meadowbrook Parkway and Merchants Concourse. The major sources of emissions at the facility are the three municipal waste combustors (MWC). All three trains are equipped with separate flues that are vented through a common stack, acid gas scrubbers, fabric filter baghouses and urea-based Selective Non-catalytic Reduction NO<sub>x</sub> control equipment. Other auxiliary equipment, which is associated with a facility of this type, is also located at the site, including an enclosed tipping hall, ash loadout area, cooling tower, lime silos, a fuel oil storage tank. All other activities at the site are categorized as exempt, trivial or insignificant as defined in 6 NYCRR part 201-3.2, 201-3.3 and 201-6.3(d)(7) respectively.

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

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict



compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

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

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



### Notification of Other State Permittee Obligations

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

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

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

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

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

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

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

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



## LIST OF CONDITIONS

### DEC GENERAL CONDITIONS

#### General Provisions

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

#### Facility Level

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



**DEC GENERAL CONDITIONS**

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

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

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

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

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

**Item 2.1:**

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

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

**Applicable State Requirement: 6NYCRR 621.11**

**Item 1-1.1:**

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

**Item 1-1.2:**

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

**Item 1-1.3:**

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



transfer of ownership.

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

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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

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

**Item 1-2.1:**

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

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

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

**Item 4.1:**

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

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



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

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

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

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

**Item 5.1:**

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

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

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

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

**Item 1-3.1:**

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

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



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: COVANTA HEMPSTEAD COMPANY  
600 MERCHANTS CONCOURSE  
WESTBURY, NY 11590

Facility: HEMPSTEAD RESOURCE RECOVERY FACILITY  
600 MERCHANTS CONCOURSE  
WESTBURY, NY 11590

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

Permit Effective Date:

Permit Expiration Date:



## LIST OF CONDITIONS

### DEC GENERAL CONDITIONS

#### General Provisions

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

#### Facility Level

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

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 1-2 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 5 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 1-3 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 16 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 9 6NYCRR 201-6: Emission Unit Definition
- 1-4 6NYCRR 201-6.5(c): Compliance Certification
- 1-5 6NYCRR 201-7: Facility Permissible Emissions
- \*1-6 6NYCRR 201-7: Capping Monitoring Condition
- 1-7 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-8 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-9 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-10 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-11 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-12 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-13 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-14 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 27 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 28 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 29 40CFR 60.35b, NSPS Subpart Cb: Operator Certification
- 30 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 1-15 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 31 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 32 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.
- 1-16 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification
- 33 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification

#### Emission Unit Level

- 36 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 37 6NYCRR 201-6: Process Definition By Emission Unit



**EU=U-UNITS**

- 38 6NYCRR 201-6.5(c): Compliance Certification
- 39 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 40 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 41 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 42 40CFR 60.33b(a)(2)(iii), NSPS Subpart Cb: Compliance Certification
- 43 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 44 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 45 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb: Compliance Certification
- 46 40CFR 60.33b(b)(1)(i), NSPS Subpart Cb: Compliance Certification
- 47 40CFR 60.33b(b)(2)(i), NSPS Subpart Cb: Compliance Certification
- 48 40CFR 60.33b(b)(2)(i), NSPS Subpart Cb: Compliance Certification
- 49 40CFR 60.33b(c)(1)(ii), NSPS Subpart Cb: Compliance Certification
- 50 40CFR 60.34b, NSPS Subpart Cb: MWC Unit Load Level
- 51 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 52 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 53 40CFR 60.38b, NSPS Subpart Cb: Continuous Monitoring

**EU=U-UNITS,Proc=MSW**

- 54 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 55 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 56 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 57 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 58 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 59 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 60 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 61 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 1-17 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 1-18 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 1-19 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 1-20 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 1-21 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 1-22 40CFR 60.33b(a)(4), NSPS Subpart Cb: Compliance Certification
- 1-23 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification

**EU=U-UNITS,EP=00001,Proc=MW1,ES=INCIN**

- 1-24 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 1-25 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 1-26 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 1-27 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 1-28 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 1-29 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 1-30 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

**EU=U-UNITS,EP=00001,Proc=MW1,ES=INCIN**

- 1-31 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 1-32 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 1-33 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

**EU=U-UNITS,EP=00001,Proc=MW1,ES=INCIN**

- 1-34 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.

**STATE ONLY ENFORCEABLE CONDITIONS**



**Facility Level**

- 62 ECL 19-0301: Contaminant List
- 64 6NYCRR 201-7.3: Facility Permissible Emissions
- \*65 6NYCRR 201-7.3: Capping Monitoring Condition
- 67 6NYCRR 219-7.2: Compliance Demonstration
- 68 6NYCRR 219-7.2: Compliance Demonstration
- 1-35 6NYCRR 617.11(d): Compliance Demonstration
- 1-36 6NYCRR 617.11(d): Compliance Demonstration
- 1-37 6NYCRR 617.11(d): Compliance Demonstration

**Emission Unit Level**

**EU=U-UNITS,Proc=MSW**

- 69 6NYCRR 617.11(d): Compliance Demonstration
- 70 6NYCRR 617.11(d): Compliance Demonstration
- 71 6NYCRR 617.11(d): Compliance Demonstration
- 1-38 6NYCRR 219-7.2: Compliance Demonstration
- 1-39 6NYCRR 219-7.2: Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

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

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

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

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

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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



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



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

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

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

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

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

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

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



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

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

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

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

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

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

**Item L: Permit Exclusion - ECL 19-0305**

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



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

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

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

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

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

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 1-1.1:**

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

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

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

**Condition 1-2: 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) 5**

**Item 1-2.1:**

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 5: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 5.1:**

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.

**Condition 1-3: Standard Requirements - Progress Reports**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 16**

**Item 1-3.1:**

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

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

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

**Condition 16: Standard Requirements - Progress Reports**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-3**

**Item 16.1:**

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

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

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

**The following conditions are subject to annual compliance certification**



requirements for Title V permits only.

**Condition 9: Emission Unit Definition**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Item 9.1(From Mod 1):**

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

Emission Unit: U-UNITS

Emission Unit Description:

This emission unit consists of 3 emission points. Each emission point is a separate flue which discharges at the top of a 381 ft stack. Each emission point is fed from an independent combustor which processes municipal solid waste which include nonhazardous residential, commercial and governmental and/or institutional wastes, and other nonhazardous industrial waste stream as approved by NYSDEC on a case by case basis. Waste combustion is considered under the processes termed "MW1", "MW2", and "MW3".

These units also combust unadulterated wood as auxiliary fuel, to increase the BTU content of the waste. The unadulterated wood must exclude CCA lumber, plywood, painted wood, paneling and other treated wood with formaldehyde and urethane. Unadulterated wood combustion is considered separate processes termed "CW1", "CW2", and "CW3".

The waste is burned on a series of roller grates, heat from the burning is recovered in a 4 pass water wall boiler. After heat recovery the flue gas enters an acid gas scrubber and then a fabric filter baghouse before finally exiting the stack. Each combustion train is also equipped with urea-based Selective Non-catalytic Reduction NOx control equipment.

Building(s): STACK

**Condition 1-4: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 38**

**Item 1-4.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS

Emission Point: 00001

Process: MW1

Emission Source: FABRI



Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

**Item 1-4.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Record keeping -

The record keeping shall be as follows:

- A. All continuous monitoring data as required in this permit shall be recorded and tabulated and summarized. All continuous monitoring data shall be kept on file at the facility for the period of five (5) years, according to 6NYCRR Part 201-6.5(c)(2). Continuous monitoring data shall be made available to NYSDEC personnel within ten (10) business days of request by NYSDEC.
- B. A written report of excess emissions and out-of-compliance operating parameters shall be submitted to the NYSDEC Regional Air Pollution Control Engineer on a quarterly basis. The report shall detail the exact nature and cause, if known, and corrective action, if any, that was taken.
- C. A record must be kept indicating times, duration of use, fuel consumption, and reason for use of auxiliary burners. These records shall be made available for inspection by NYSDEC personnel.
- D. A record of time of service and all maintenance and



repair of the air pollution control devices shall be maintained at the facility. Such record shall be made available for inspection by NYSDEC personnel.

Reference Test Method: N/A  
Monitoring Frequency: QUARTERLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

**Condition 1-5: Facility Permissible Emissions  
Effective for entire length of Permit**

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

**Item 1-5.1:**

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

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

CAS No: 0NY210-00-0	(From Mod 1)	PTE: 2,914,000	pounds per year
Name: OXIDES OF NITROGEN			

**Condition 1-6: Capping Monitoring Condition  
Effective for entire length of Permit**

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

**Item 1-6.1:**

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

6NYCRR 231-2  
40CFR 52-A.21(j)(2)

**Item 1-6.2:**

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

**Item 1-6.3:**

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

**Item 1-6.4:**

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



that would require compliance with an applicable requirement.

**Item 1-6.5:**

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

**Item 1-6.6:**

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

Emission Unit: U-UNITS

Regulated Contaminant(s):

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

**Item 1-6.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Facility-wide Maximum Annual Potential (MAP) for oxides of nitrogen (NO<sub>x</sub>) shall not exceed 1457 tons/365-day rolling average. Annual Relative Accuracy Test Audit (RATA) must be conducted to verify the mass emission rate calculations as shown below. The Reference Method (RM) to calculate the mass emission of NO<sub>x</sub> at each flue exit must include 40 CFR Part 60, Appendix A, Method 2 (Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube)) and Method 4 (Determination of Moisture Content in Stack Gases) along with Method 7E (Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)) to determine the volumetric flow rate of gas stream at standard conditions, on a dry basis.

This NO<sub>x</sub> emission limit shall be determined by using the following formula:

Total rolling cumulative NO<sub>x</sub> emissions shall be calculated as follows:

$$\text{RCT (365NO}_x\text{)} = \frac{\sum_{n=1}^{n-365} \text{Daily SumNO}_x \text{ (sum of previous 365 days)}}{n - 1}$$

where:

RCT (365NO<sub>x</sub>) = Rolling cumulative total NO<sub>x</sub> emissions in tons/year for any consecutive 365-day period

$$n - 365$$



Daily SumNOx  
n - 1  
emissions = Sum of facility-wide daily NOx  
in tons/year for the previous  
365 days

lb/day NOx per unit  
= NOx ppm<sub>dv</sub>@7% O<sub>2</sub> (24-hr average) x 1/1,000,000 x  
46.01 lb/lb-mol NOx x lb-mol/385.3 ft<sup>3</sup> x 14,389 dscf/MMBTU  
@7% O<sub>2</sub> x MMBTU/1,000,000 BTU x 4700 BTU/lb x 2000 lb/ton x  
890.4 tpd/unit

The facility may request to substitute the Method 19 F-factor of 14,389 dscf/MMBTU @ 7% O<sub>2</sub> used in the formula above with a facility-specific F-factor based on actual stack testing. The methodology/protocol to determine the facility-specific F-factor shall be submitted to EPA and the Department for prior review and approval. EPA and the Department will make a determination on the acceptability of this F-factor based on the proposed protocol and actual stack test results. If this change is accepted, the permit will be amended administratively.

Manufacturer Name/Model Number: TECO-42C  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 1457 tons per year  
Reference Test Method: 40 CFR 60, App A M2, M4, 7E and App B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

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

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

**Replaces Condition(s) 60**

**Item 1-7.1:**

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

Emission Unit: U-UNITS	Emission Point: 00001
Process: MW1	Emission Source: FABRI
Emission Unit: U-UNITS	Emission Point: 00001
Process: MW1	Emission Source: INCIN
Emission Unit: U-UNITS	Emission Point: 00001
Process: MW1	Emission Source: SPRAY



Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: FABR2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: INCI2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: SPRA2

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: FABR3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: INCI3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: SPRA3

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

**Item 1-7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide (SO<sub>2</sub>) emissions from each flue shall not exceed 50 ppm dry volume corrected to 12% CO<sub>2</sub>, as determined by continuous monitoring, based on a running 8-hour average. The permittee shall meet the less stringent of this limit or the 70 percent reduction (8-hour average running) of SO<sub>2</sub>. Compliance based on CEMs. CEMs shall be installed, maintained and operated in accordance with 40 CFR 60, Appendix B and Appendix F.

The permittee shall also comply with the requirements of 40 CFR 60 Subpart Cb for SO<sub>2</sub> concentration limit.

Manufacturer Name/Model Number: TECO-43A

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 50 parts per million by volume (dry,  
corrected to 12% CO<sub>2</sub>)

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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



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

**Replaces Condition(s) 58**

**Item 1-8.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS

**Item 1-8.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Charging Rate:

The facility shall not charge (process) more than 975,000 tons per 12-month rolling average and shall report to the Department, on a monthly basis, the facility's average annual throughput using the following formula:

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

where,

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

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

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

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

Parameter Monitored: MUNICIPAL SOLID WASTE

Upper Permit Limit: 975000 tons per year

Reference Test Method: N/A

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

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



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

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

**Replaces Condition(s) 61**

**Item 1-9.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: FABRI

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: INCIN

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: SPRAY

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: FABR2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: INCI2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: SPRA2

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: FABR3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: INCI3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: SPRA3

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

**Item 1-9.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide (SO2) emissions from each flue shall not exceed 30 percent by weight of the uncontrolled SO2 emissions (70 percent reduction), as determined by continuous monitoring, based on a running 8-hour average, corrected to 12% CO2. The permittee shall meet the less stringent of this limit or the SO2 limit of 50 ppmv (8-hour running average). Compliance based on CEMs. CEMs



shall be installed, maintained and operated in accordance with 40 CFR 60, Appendix B and Appendix F.

The permittee shall also comply with the requirements of 40 CFR 60 Subpart Cb for SO<sub>2</sub> reduction.

Manufacturer Name/Model Number: TECO-43A  
Parameter Monitored: SULFUR DIOXIDE  
Lower Permit Limit: 70 percent reduction by weight  
Reference Test Method: 40 CFR 60 App B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

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

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

**Replaces Condition(s) 55**

**Item 1-10.1:**

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

Emission Unit: U-UNITS

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

**Item 1-10.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Facility (total of three units) carbon monoxide emissions shall not exceed the limit shown in this condition.  
Compliance based on annual stack emission tests using 40 CFR 60, Appendix A, Method 10. CEMs shall be installed, maintained and operated in accordance with 40 CFR 60, Appendix B and Appendix F.

Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 418.0 pounds per hour  
Reference Test Method: 40 CFR 60 App A RM10  
Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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



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

**Replaces Condition(s) 54**

**Item 1-11.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 1-11.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Facility (total of three units) hydrocarbon emissions shall not exceed the limit shown in this condition. Compliance based on annual stack emission tests using 40 CFR 60, Appendix A, Method 25A or equivalent method acceptable to the Commissioner.

Parameter Monitored: VOC

Upper Permit Limit: 21.5 pounds per hour

Reference Test Method: 40 CFR 60 App A RM25A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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

**Replaces Condition(s) 56**

**Item 1-12.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS

Process: MW1

Emission Point: 00001

Emission Source: FABRI

Emission Unit: U-UNITS

Process: MW1

Emission Point: 00001

Emission Source: INCIN

Emission Unit: U-UNITS

Process: MW1

Emission Point: 00001

Emission Source: SPRAY

Emission Unit: U-UNITS

Process: MW2

Emission Point: 00002

Emission Source: FABR2



Emission Unit: U-UNITS  
Process: MW2

Emission Point: 00002  
Emission Source: INCI2

Emission Unit: U-UNITS  
Process: MW2

Emission Point: 00002  
Emission Source: SPRA2

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: FABR3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: INCI3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: SPRA3

Regulated Contaminant(s):

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

**Item 1-12.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Oxides of nitrogen (NOx) emissions per emission point shall not exceed the limit shown in this condition, based on prevention of significant deterioration (PSD) modification. Compliance based on annual stack emission tests using 40 CFR 60, Appendix A, Method 7E or equivalent method acceptable to the Commissioner.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 145.7 pounds per hour

Reference Test Method: 40 CFR 60 App A RM7E

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1-13: Compliance Certification**

**Effective for entire length of Permit**

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

**Replaces Condition(s) 59**

**Item 1-13.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: FABRI

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: INCIN



Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: SPRAY

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: FABR2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: INCI2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: SPRA2

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: FABR3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: INCI3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: SPRA3

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

**Item 1-13.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Oxides of nitrogen (NOx) emission limit per emission point based on prevention of significant deterioration (PSD) modification. Compliance with this requirement will be considered compliance with the NOx limit as prescribed in 40 CFR 60.33b(d) NSPS Subpart Cb .

Manufacturer Name/Model Number: TECO-42C Chemiluminescence

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 185 parts per million by volume

(dry, corrected to 7% O2)

Reference Test Method: 40 CFR 60 App B & F

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

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

**Replaces Condition(s) 57**



**Item 1-14.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

**Item 1-14.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Incinerator Temperature Requirements

A.

The flue gas temperature in each incinerator shall be maintained at or above 1500 degrees Fahrenheit after the last point of overfire air injection. Such measurements may be made directly or through the use of a surrogate temperature measurement acceptable to NYSDEC. The flue gas temperature shall be continuously monitored to determine compliance.

B.

Auxiliary burners shall be used to maintain the above temperature.

The auxiliary burners must be in place in the incinerator and in operation at the following times:



- prior to commencing refuse feed during start-up
- during shutdown until complete burnout is achieved
- during upset operations or to maintain proper combustion while processing difficult to burn refuse.

Parameter Monitored: TEMPERATURE  
Lower Permit Limit: 1500 degrees Fahrenheit  
Reference Test Method: DEC Acceptable  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 15-MINUTE ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 3 calendar month(s).

**Condition 27: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 27.1:**

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

Emission Unit: U-UNITS  
Process: CLW

Emission Unit: U-UNITS  
Process: MSW

Emission Unit: U-UNITS  
Process: STS

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

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:

Facility-wide Maximum Annual Potential (MAP) for oxides of nitrogen (NOx) shall not exceed 1457 tons/365-day rolling average. Annual Relative Accuracy Test Audit (RATA) must be conducted to verify the mass emission rate calculations as shown below. The Reference Method (RM) to calculate the mass emission of NOx at each flue exit must include 40 CFR Part 60, Appendix A, Method 2 (Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube)) and Method 4 (Determination of Moisture Content in Stack Gases) along with Method 7E (Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)) to



determine the volumetric flow rate of gas stream at standard conditions, on a dry basis.

This NO<sub>x</sub> emission limit shall be determined by using the following formula:

Total rolling cumulative NO<sub>x</sub> emissions shall be calculated as follows:

$$\text{RCT (365NO}_x\text{)} = \text{Daily SumNO}_x \text{ (sum of previous 365 days)}$$

where:  
 RCT (365NO<sub>x</sub>) = Rolling cumulative total NO<sub>x</sub> emissions in tons/year for any consecutive 365-day period

$$\begin{aligned} & \text{Daily SumNO}_x \\ & \text{emissions} \\ & \text{in tons/year for the previous} \\ & \text{365 days} \\ & \text{lb/day NO}_x \text{ per unit} \\ & = \text{NO}_x \text{ ppmdv@7\% O}_2 \text{ (24-hr average)} \times 1/1,000,000 \times \\ & 46.01 \text{ lb/lb-mol NO}_x \times \text{lb-mol}/385.3 \text{ ft}^3 \times 14,389 \text{ dscf/MMBTU} \\ & @7\% \text{ O}_2 \times \text{MMBTU}/1,000,000 \text{ BTU} \times 4700 \text{ BTU/lb} \times 2000 \text{ lb/ton} \times \\ & 890.4 \text{ tpd/unit} \end{aligned}$$

The facility may request to substitute the Method 19 F-factor of 14,389 dscf/MMBTU @ 7% O<sub>2</sub> used in the formula above with a facility-specific F-factor based on actual stack testing. The methodology/protocol to determine the facility-specific F-factor shall be submitted to EPA and the Department for prior review and approval. EPA and the Department will make a determination on the acceptability of this F-factor based on the proposed protocol and actual stack test results. If this change is accepted, the permit will be amended administratively.

Manufacturer Name/Model Number: TECO-42C  
 Parameter Monitored: OXIDES OF NITROGEN  
 Upper Permit Limit: 1457 tons per year  
 Reference Test Method: 40CFR60, App. A -M2, M4, 7E and App. B & F  
 Monitoring Frequency: CONTINUOUS  
 Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
 Reporting Requirements: QUARTERLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2005.



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

**Condition 28: Operating Manual**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 28.1:**

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 29: Operator Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 29.1:**



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

**Condition 30: Operator Training**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 30.1:**

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

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

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

**Replaces Condition(s) 31**

**Item 1-15.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS	Emission Point: 00003



Process: MW3

Emission Source: FABR3

Emission Unit: U-UNITS

Emission Point: 00003

Process: MW3

Emission Source: INCI3

Emission Unit: U-UNITS

Emission Point: 00003

Process: MW3

Emission Source: SPRA3

**Item 1-15.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 9 MINUTES PER 3-HOUR PERIOD

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 31: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Discharge to the atmosphere of visible emissions of combustion ash from the ash conveying system (including conveyor transfer points) may not exceed 5 percent of the



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

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 9 MINUTES PER 3-HOUR PERIOD

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 32: Compliance and performance testing.**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 32.1:**

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 32.2:**

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

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

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

**Replaces Condition(s) 33**

**Item 1-16.1:**

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

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: FABRI

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: INCIN

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: SPRAY

Emission Unit: U-UNITS  
Process: MW2

Emission Point: 00002  
Emission Source: FABR2



Emission Unit: U-UNITS  
Process: MW2

Emission Point: 00002  
Emission Source: INCI2

Emission Unit: U-UNITS  
Process: MW2

Emission Point: 00002  
Emission Source: SPRA2

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: FABR3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: INCI3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: SPRA3

**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.

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

**Condition 33: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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 11/24/2004 and Permit Expiration Date**

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

**Item 36.1(From Mod 1):**

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

Emission Unit: U-UNITS

Emission Point: 00001

Height (ft.): 381

Diameter (in.): 96

NYTMN (km.): 4510.713 NYTME (km.): 619.066 Building: STACK

Emission Point: 00002

Height (ft.): 381

Diameter (in.): 96

NYTMN (km.): 4510.712 NYTME (km.): 619.069 Building: STACK

Emission Point: 00003

Height (ft.): 381

Diameter (in.): 96

NYTMN (km.): 4510.708 NYTME (km.): 619.066 Building: STACK

**Condition 37: Process Definition By Emission Unit**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Item 37.1(From Mod 1):**

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

Emission Unit: U-UNITS

Process: CW1

Source Classification Code: 5-03-001-05

Process Description:

Unadulterated wood is used as an auxiliary fuel, to increase the BTU content of the waste. The unadulterated wood must exclude CCA lumber, plywood, painted wood, paneling and other treated wood with formaldehyde and urethane. Replaces process CLW.

Emission Source/Control: FABRI - Control

Control Type: FABRIC FILTER

Emission Source/Control: SPRAY - Control

Control Type: SPRAY TOWER



Emission Source/Control: INCIN - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 37.2(From Mod 1):**

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

Emission Unit: U-UNITS  
Process: CW2 Source Classification Code: 5-03-001-05  
Process Description:  
Unadulterated wood is used as an auxiliary fuel, to increase the BTU content of the waste. The unadulterated wood must exclude CCA lumber, plywood, painted wood, paneling and other treated wood with formaldehyde and urethane. Replaces process CLW.

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

Emission Source/Control: SPRA2 - Control  
Control Type: SPRAY TOWER

Emission Source/Control: INCI2 - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 37.3(From Mod 1):**

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

Emission Unit: U-UNITS  
Process: CW3 Source Classification Code: 5-03-001-05  
Process Description:  
Unadulterated wood is used as an auxiliary fuel, to increase the BTU content of the waste. The unadulterated wood must exclude CCA lumber, plywood, painted wood, paneling and other treated wood with formaldehyde and urethane. Replaces process CLW.

Emission Source/Control: FABR3 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: SPRA3 - Control  
Control Type: SPRAY TOWER

Emission Source/Control: INCI3 - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID



WASTE

**Item 37.4(From Mod 1):**

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

Emission Unit: U-UNITS

Process: MW1

Source Classification Code: 5-01-001-02

Process Description:

Process involves the incineration of municipal solid waste which includes residential, commercial and industrial non-hazardous wastes. All wastes are combusted for the purpose of destruction, volume reduction, and energy recovery. For periods of startup, shutdown or malfunction, the facility will utilize the procedures in 40 CFR 60.58a(a) to assess compliance. Also, the malfunction and emergency defense provisions of 6 NYCRR Part 201-1.4 and Part 201-1.5 apply to the facility. Replaces process MSW.

Emission Source/Control: FABRI - Control

Control Type: FABRIC FILTER

Emission Source/Control: SPRAY - Control

Control Type: SPRAY TOWER

Emission Source/Control: INCIN - Incinerator

Design Capacity: 64,417 pounds per hour

Waste Feed Method: CHUTE FED

Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

**Item 37.5(From Mod 1):**

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

Emission Unit: U-UNITS

Process: MW2

Source Classification Code: 5-01-001-02

Process Description:

Process involves the incineration of municipal solid waste which includes residential, commercial and industrial non-hazardous wastes. All wastes are combusted for the purpose of destruction, volume reduction, and energy recovery. For periods of startup, shutdown or malfunction, the facility will utilize the procedures in 40 CFR 60.58a(a) to assess compliance. Also, the malfunction and emergency defense provisions of 6 NYCRR Part 201-1.4 and Part 201-1.5 apply to the facility. Replaces process MSW.

Emission Source/Control: FABR2 - Control

Control Type: FABRIC FILTER

Emission Source/Control: SPRA2 - Control

Control Type: SPRAY TOWER



Emission Source/Control: INCI2 - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 37.6(From Mod 1):**

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

Emission Unit: U-UNITS  
Process: MW3 Source Classification Code: 5-01-001-02  
Process Description:  
Process involves the incineration of municipal solid waste which includes residential, commercial and industrial non-hazardous wastes. All wastes are combusted for the purpose of destruction, volume reduction, and energy recovery. For periods of startup, shutdown or malfunction, the facility will utilize the procedures in 40 CFR 60.58a(a) to assess compliance. Also, the malfunction and emergency defense provisions of 6 NYCRR Part 201-1.4 and Part 201-1.5 apply to the facility. Replaces process MSW.

Emission Source/Control: FABR3 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: SPRA3 - Control  
Control Type: SPRAY TOWER

Emission Source/Control: INCI3 - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 37.7(From Mod 1):**

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

Emission Unit: U-UNITS  
Process: ST1 Source Classification Code: 1-02-005-01  
Process Description:  
Oil is used during startup, shutdown and other upset conditions on an "as-needed" basis. The oil used is negligible on a heat basis averaged over the year. Replaces process STS.

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

Emission Source/Control: SPRAY - Control  
Control Type: SPRAY TOWER



Emission Source/Control: INCIN - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 37.8(From Mod 1):**

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

Emission Unit: U-UNITS  
Process: ST2 Source Classification Code: 1-02-005-01  
Process Description:  
Oil is used during startup, shutdown and other upset conditions on an "as-needed" basis. The oil used is negligible on a heat basis averaged over the year. Replaces process STS.

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

Emission Source/Control: SPRA2 - Control  
Control Type: SPRAY TOWER

Emission Source/Control: INCI2 - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 37.9(From Mod 1):**

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

Emission Unit: U-UNITS  
Process: ST3 Source Classification Code: 1-02-005-01  
Process Description:  
Oil is used during startup, shutdown and other upset conditions on an "as-needed" basis. The oil used is negligible on a heat basis averaged over the year. Replaces process STS.

Emission Source/Control: FABR3 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: SPRA3 - Control  
Control Type: SPRAY TOWER

Emission Source/Control: INCI3 - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 37.10(From Mod 0):**



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

Emission Unit: U-UNITS  
Process: CLW Source Classification Code: 5-03-001-05  
Process End Date: 4/18/2008  
Process Description:  
Unadultered wood as auxiliary fuel, to increase the BTU content of the waste. The unadultered wood must exclude CCA lumber, plywood, painted wood, paneling and other treated wood with formaldehyde and urethane.

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

Emission Source/Control: SPRAY - Control  
Control Type: SPRAY TOWER

Emission Source/Control: INCIN - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED  
Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID WASTE

**Item 37.11(From Mod 0):**

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

Emission Unit: U-UNITS  
Process: MSW Source Classification Code: 5-01-001-02  
Process End Date: 4/18/2008  
Process Description:  
THE THREE IDENTICAL SYSTEMS COMBUST MUNICIPAL SOLID WASTE WHICH INCLUDES RESIDENTIAL, COMMERCIAL AND INDUSTRIAL NON-HAZARDOUS WASTES. ALL WASTES ARE COMBUSTED FOR THE PURPOSE OF DESTRUCTION, VOLUME REDUCTION, AND ENERGY RECOVERY. FOR PERIODS OF STARTUP, SHUTDOWN OR MALFUNCTION, THE FACILITY WILL UTILIZE THE PROCEDURES IN 40 CFR 60.58a(a) TO ASSESS COMPLIANCE. ALSO, THE MALFUNCTION AND EMERGENCY DEFENSE PROVISIONS OF 6 NYCRR PART 201-1.4 AND PART 201-1.5 APPLY TO THE FACILITY.

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

Emission Source/Control: SPRAY - Control  
Control Type: SPRAY TOWER

Emission Source/Control: INCIN - Incinerator  
Design Capacity: 64,417 pounds per hour  
Waste Feed Method: CHUTE FED



Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Item 37.12(From Mod 0):**

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

Emission Unit: U-UNITS

Process: STS

Source Classification Code: 1-02-005-01

Process End Date: 4/18/2008

Process Description:

OIL IS USED DURING STARTUP, SHUTDOWN AND  
OTHER UPSET CONDITIONS ON AN "AS-NEEDED"  
BASIS. THE OIL USED IS NEGLIGIBLE ON A HEAT  
BASIS AVERAGED OVER THE YEAR.

Emission Source/Control: FABRI - Control

Control Type: FABRIC FILTER

Emission Source/Control: SPRAY - Control

Control Type: SPRAY TOWER

Emission Source/Control: INCIN - Incinerator

Design Capacity: 64,417 pounds per hour

Waste Feed Method: CHUTE FED

Waste Type: MUNICIPAL SOLID WASTE AND/OR SOLID  
WASTE

**Condition 38: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-4**

**Item 38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Record keeping -

The record keeping shall be as follows:

A. All continuous monitoring data as required in this  
permit shall be recorded and tabulated and summarized.

All continuous monitoring data shall be kept on file at  
the facility for the period of five (5) years, according  
to 6NYCRR Part 201-6.5(c)(2). Continuous monitoring data  
shall be made available to NYSDEC personnel within ten  
(10) business days of request by NYSDEC.



B. A written report of excess emissions and out-of-compliance operating parameters shall be submitted to the NYSDEC Regional Air Pollution Control Engineer on a quarterly basis. The report shall detail the exact nature and cause, if known, and corrective action, if any, that was taken.

C. A record must be kept indicating times, duration of use, fuel consumption, and reason for use of auxiliary burners. These records shall be made available for inspection by NYSDEC personnel.

D. A record of time of service and all maintenance and repair of the air pollution control devices shall be maintained at the facility. Such record shall be made available for inspection by NYSDEC personnel.

Reference Test Method: Not Applicable

Monitoring Frequency: QUARTERLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

**Condition 39: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter emission limit.

Parameter Monitored: PARTICULATES

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

Reference Test Method: EPA Ref. Method 5

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



**Condition 40: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 40.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Opacity emission limit.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Method 9 or COM

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

**Condition 41: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Cadmium emission limit.



Parameter Monitored: CADMIUM

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 42: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Lead emission limit.

Parameter Monitored: LEAD

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 43: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

**Item 43.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: MERCURY

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 44: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: MERCURY

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 45: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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



**Expired by Mod 1**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Parameter Monitored: SULFUR DIOXIDE

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

Reference Test Method: 40CFR60 Appn. B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

**Condition 46: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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



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

Reference Test Method: 40CFR60, Appn. B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 3 calendar month(s).

**Condition 47: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 47.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

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

**Item 47.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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

Parameter Monitored: HYDROGEN CHLORIDE  
Upper Permit Limit: 29 parts per million by volume (dry,  
corrected to 7% O<sub>2</sub>)  
Reference Test Method: EPA Method 26/26A  
Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 48: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 48.1:**  
The Compliance Certification activity will be performed for:



Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007647-01-0      HYDROGEN CHLORIDE

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

Parameter Monitored: HYDROGEN CHLORIDE

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

Reference Test Method: EPA Method 26/26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 49: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

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

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

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

Reference Test Method: EPA Ref. Method 23



Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 50: MWC Unit Load Level**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 50.1:**

This Condition applies to Emission Unit: U-UNITS

**Item 50.2:**

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

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

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

**Condition 51: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Parameter Monitored: CARBON MONOXIDE



Upper Permit Limit: 100 parts per million by volume

(dry, corrected to 7% O<sub>2</sub>)

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

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

**Condition 52: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

**Item 52.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)



Reference Test Method: Acceptable to NYSDEC  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 3 calendar month(s).

**Condition 53: Continuous Monitoring**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 53.1:**

This Condition applies to Emission Unit: U-UNITS

**Item 53.2:**

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

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

**Condition 54: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

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

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FACILITY (total of three units)  
HYDROCARBON EMISSIONS SHALL NOT EXCEED  
THE LIMIT SHOWN IN THIS CONDITION.  
COMPLIANCE BASED ON ANNUAL STACK EMISSION



TESTS USING 40CFR60, APPENDIX A, METHOD  
25A OR EQUIVALENT METHOD ACCEPTABLE TO  
THE COMMISSIONER.

Parameter Monitored: VOC  
Upper Permit Limit: 21.5 pounds per hour  
Reference Test Method: METHOD 25A  
Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 55: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

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

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

FACILITY (total of three units) CARBON  
MONOXIDE EMISSIONS SHALL NOT EXCEED THE  
LIMIT SHOWN IN THIS CONDITION.  
COMPLIANCE BASED ON ANNUAL STACK EMISSION  
TESTS USING 40CFR60, APPENDIX A, METHOD  
10. CEMS SHALL BE INSTALLED, MAINTAINED  
AND OPERATED IN ACCORDANCE WITH 40CFR60,  
APPENDIX B AND APPENDIX F.

Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 418.0 pounds per hour  
Reference Test Method: EPA Method 10  
Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 56: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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



**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

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

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

OXIDES OF NITROGEN (NO<sub>x</sub>) EMISSIONS PER EMISSION POINT SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION, BASED ON PREVENTION OF SIGNIFICANT DETERIORATION (PSD) MODIFICATION. COMPLIANCE BASED ON ANNUAL STACK EMISSION TESTS USING 40CFR60, APPENDIX A, METHOD 7E OR EQUIVALENT METHOD ACCEPTABLE TO THE COMMISSIONER.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 145.7 pounds per hour

Reference Test Method: METHOD 7E

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 57: Compliance Certification**

**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

**Item 57.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Incinerator Temperature Requirements

A.

The flue gas temperature in each incinerator shall be maintained at or above 1500 degrees Fahrenheit after the



last point of overfire air injection. Such measurements may be made directly or through the use of a surrogate temperature measurement acceptable to NYSDEC. The flue gas temperature shall be continuously monitored to determine compliance.

B.  
Auxiliary burners shall be used to maintain the above temperature.

The auxiliary burners must be in place in the incinerator and in operation at the following times:

- prior to commencing refuse feed during start-up
- during shutdown until complete burnout is achieved
- during upset operations or to maintain proper combustion while processing difficult to burn refuse.

Parameter Monitored: TEMPERATURE  
Lower Permit Limit: 1500 degrees Fahrenheit  
Reference Test Method: DEC Acceptable  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 15-MINUTE ROLLING AVERAGE  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 3 calendar month(s).

**Condition 58: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 58.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

**Item 58.2:**  
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Charging Rate:  
The facility shall not charge (process) more than 975,000 tons per 12-month rolling average and shall report to the Department, on a monthly basis, the facility's average annual throughput using the following formula:

Tons Processed/Week = Tons Received/Week +/- Change in Existing Inventory/Week - Bulkies Removed from the



Floor/Week

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

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

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

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

Parameter Monitored: MUNICIPAL SOLID WASTE

Upper Permit Limit: 975000 tons per year

Reference Test Method: N/A

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 12/30/2004.

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

**Condition 59: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 59.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Process: MSW

Regulated Contaminant(s):

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

**Item 59.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

OXIDES OF NITROGEN (NO<sub>x</sub>) EMISSION LIMIT



PER EMISSION POINT BASED ON PREVENTION OF SIGNIFICANT DETERIORATION (PSD) MODIFICATION. COMPLIANCE WITH THIS REQUIREMENT WILL BE CONSIDERED COMPLIANCE WITH THE NO<sub>x</sub> LIMIT AS PRESCRIBED IN 40CFR60.33b(d) NSPS SUBPART Cb .

Manufacturer Name/Model Number: TECO-42C Chemiluminescence  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 185 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)  
Reference Test Method: 40CFR60, App. B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 3 calendar month(s).

**Condition 60: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 60.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

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

**Item 60.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:

SULFUR DIOXIDE (SO<sub>2</sub>) EMISSIONS FROM EACH FLUE SHALL NOT EXCEED 50 PPM DRY VOLUME CORRECTED TO 12% CO<sub>2</sub>, AS DETERMINED BY CONTINUOUS MONITORING, BASED ON A RUNNING 8-HOUR AVERAGE. THE PERMITTEE SHALL MEET THE LESS STRINGENT OF THIS LIMIT OR THE 70 PERCENT REDUCTION ( 8-HOUR AVERAGE RUNNING) OF SO<sub>2</sub>. COMPLIANCE BASED ON CEMS. CEMS SHALL BE INSTALLED, MAINTAINED AND OPERATED IN ACCORDANCE WITH 40CFR60, APPENDIX B AND APPENDIX F.



THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS OF 40 CFR 60 SUBPART Cb FOR SO<sub>2</sub> CONCENTRATION LIMIT.

Manufacturer Name/Model Number: TECO-43A  
Parameter Monitored: SULFUR DIOXIDE  
Upper Permit Limit: 50 parts per million by volume (dry, corrected to 12% CO<sub>2</sub>)  
Reference Test Method: 40CFR60, App. B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 3 calendar month(s).

**Condition 61: Compliance Certification**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

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

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SULFUR DIOXIDE (SO<sub>2</sub>) EMISSIONS FROM EACH FLUE SHALL NOT EXCEED 30 PERCENT BY WEIGHT OF THE UNCONTROLLED SO<sub>2</sub> EMISSIONS (70 PERCENT REDUCTION), AS DETERMINED BY CONTINUOUS MONITORING, BASED ON A RUNNING 8-HOUR AVERAGE, CORRECTED TO 12% CO<sub>2</sub>. THE PERMITTEE SHALL MEET THE LESS STRINGENT OF THIS LIMIT OR THE SO<sub>2</sub> LIMIT OF 50 ppmdv ( 8-HOUR RUNNING AVERAGE). COMPLIANCE BASED ON CEMS. CEMS SHALL BE INSTALLED, MAINTAINED AND OPERATED IN ACCORDANCE WITH 40CFR60, APPENDIX B AND APPENDIX F.

THE PERMITTEE SHALL ALSO COMPLY WITH THE REQUIREMENTS OF 40 CFR 60 SUBPART Cb FOR SO<sub>2</sub> REDUCTION.



Manufacturer Name/Model Number: TECO-43A  
Parameter Monitored: SULFUR DIOXIDE  
Lower Permit Limit: 70 percent reduction by weight  
Reference Test Method: 40CFR60, App. B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 3 calendar month(s).

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

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

**Replaces Condition(s) 39**

**Item 1-17.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

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

**Item 1-17.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet an emission limit for particulate matter not to exceed 25 milligrams per dry standard cubic meter, corrected to 7 percent oxygen. Compliance will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. The protocol and schedule for the initial test are to be submitted within 180 days of the issued date of this permit. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Subsequent stack emissions tests will be required on annual basis unless otherwise directed by the Department.

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

Reference Test Method: 40 CFR 60 App A RM5

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

**Replaces Condition(s) 40**

**Item 1-18.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: FABRI

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: INCIN

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: SPRAY

Emission Unit: U-UNITS  
Process: MW2

Emission Point: 00002  
Emission Source: FABR2

Emission Unit: U-UNITS  
Process: MW2

Emission Point: 00002  
Emission Source: INCI2

Emission Unit: U-UNITS  
Process: MW2

Emission Point: 00002  
Emission Source: SPRA2



Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: FABR3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: INCI3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: SPRA3

**Item 1-18.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

**Replaces Condition(s) 41**

**Item 1-19.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: FABRI

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: INCIN

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: SPRAY

Emission Unit: U-UNITS

Emission Point: 00002



Process: MW2 Emission Source: FABR2

Emission Unit: U-UNITS Emission Point: 00002  
Process: MW2 Emission Source: INCI2

Emission Unit: U-UNITS Emission Point: 00002  
Process: MW2 Emission Source: SPRA2

Emission Unit: U-UNITS Emission Point: 00003  
Process: MW3 Emission Source: FABR3

Emission Unit: U-UNITS Emission Point: 00003  
Process: MW3 Emission Source: INCI3

Emission Unit: U-UNITS Emission Point: 00003  
Process: MW3 Emission Source: SPRA3

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

**Item 1-19.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Reference Test Method: EPA Ref Test Method

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-20: Compliance Certification**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 43**



**Item 1-20.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

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

**Item 1-20.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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



Department.

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

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

**Replaces Condition(s) 44**

**Item 1-21.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: FABRI

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: INCIN

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: SPRAY

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: FABR2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: INCI2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: SPRA2

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: FABR3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: INCI3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: SPRA3

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

**Item 1-21.2:**

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 1-22: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-22.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS	Emission Point: 00002



Process: MW2 Emission Source: SPRA2

Emission Unit: U-UNITS Emission Point: 00003  
Process: MW3 Emission Source: FABR3

Emission Unit: U-UNITS Emission Point: 00003  
Process: MW3 Emission Source: INCI3

Emission Unit: U-UNITS Emission Point: 00003  
Process: MW3 Emission Source: SPRA3

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

**Item 1-22.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Reference Test Method: 40 CFR 60 App A RM29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-23: Compliance Certification  
Effective for entire length of Permit**

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

**Item 1-23.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS Emission Point: 00001  
Process: MW1 Emission Source: FABRI



Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3
Regulated Contaminant(s): CAS No: 007446-09-5	SULFUR DIOXIDE

**Item 1-23.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

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

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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



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

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

**Item 1-24.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: INCIN

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

**Item 1-24.2:**

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% O<sub>2</sub>, dry basis)

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

**Item 1-25.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS                      Emission Point: 00001



Process: MW1	Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

**Item 1-25.2:**

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)

Reference Test Method: 40 CFR 60 App A RM26 or 26A



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

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

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

**Item 1-26.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3
Regulated Contaminant(s): CAS No: 007647-01-0	HYDROGEN CHLORIDE

**Item 1-26.2:**

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)

Reference Test Method: 40 CFR 60 App A RM26 or 26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

**Item 1-27.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3



Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: INCI3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: SPRA3

Regulated Contaminant(s):

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

**Item 1-27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Reference Test Method: 40 CFR 60 App A RM23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

**Replaces Condition(s) 51**

**Item 1-28.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: FABRI

Emission Unit: U-UNITS

Emission Point: 00001



Process: MW1	Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3
Regulated Contaminant(s): CAS No: 000630-08-0	CARBON MONOXIDE

**Item 1-28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

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

**Item 1-29.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

**Item 1-29.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

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

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



for controlling municipal waste combustor emissions. The municipal waste combustor unit load limit continues to apply, and remains enforceable, until and unless the Department grants the waiver.

Parameter Monitored: STEAM OUTPUT  
 Upper Permit Limit: 110 percent  
 Monitoring Frequency: CONTINUOUS  
 Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)  
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 Subsequent reports are due every 6 calendar month(s).

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

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

**Replaces Condition(s) 52**

**Item 1-30.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

**Item 1-30.2:**

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

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

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

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

Parameter Monitored: TEMPERATURE ABOVE CONTROL DEVICE TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-31: Operating Manual**  
**Effective for entire length of Permit**

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

**Replaces Condition(s) 28**

**Item 1-31.1:**

This Condition applies to:

Emission Unit: UUNITS	Emission Point: 00001
Process: MW1	Emission Source: FABRI

Emission Unit: UUNITS	Emission Point: 00001
Process: MW1	Emission Source: SPRAY







before October 5, 1998. The owner or operator may request that the Department waive the requirements of this condition for chief facility operators, shift supervisors, and control room operators who have obtained only provisional certification from the American Society of Mechanical Engineers on or before October 5, 1998.

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

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

**Replaces Condition(s) 29**

**Item 1-33.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

**Item 1-33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If both the certified chief facility operator and certified shift supervisor are unavailable, a provisionally certified control room operator on site at the municipal waste combustion unit may fulfill the certified operator requirement. Depending on the length of



time that a certified chief facility operator and certified shift supervisor are away, the owner or operator of the affected facility must meet one of three criteria:

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

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

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

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

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

A provisionally certified operator who is newly promoted or recently transferred to a shift supervisor position or



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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-34: Compliance and performance testing.  
Effective for entire length of Permit**

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

**Replaces Condition(s) 32**

**Item 1-34.1:**

This Condition applies to:

Emission Unit: UUNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: UUNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: UUNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: UUNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: UUNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: UUNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: UUNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: UUNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

**Item 1-34.1:**

This Condition applies to Emission Unit: U-UNITS Emission Point: 00001  
Process: MW1 Emission Source:  
INCIN

**Item 1-34.2:**

The Permittee shall meet the compliance and performance testing requirements listed in 40 CFR



60.58b as amended on May 10, 2006, as applicable, to determine compliance with the limits specified in this permit.

**Item 1-34.3.4:**

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 62: Contaminant List  
Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Item 62.1:**

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: 007440-43-9



Name: CADMIUM

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-97-6

Name: MERCURY

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY998-00-0

Name: VOC

**Condition 64: Facility Permissible Emissions**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 201-7.3**

**Expired by Mod 1**  
**Applicaton Specific Data**

**Condition 65: Capping Monitoring Condition**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 201-7.3**

**Expired by Mod 1**

**Item 65.1:**

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

6NYCRR 231-2

**Item 65.2:**

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

**Item 65.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of



five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 65.4:**

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

**Item 65.5:**

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

**Item 65.6:**

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

Emission Unit: U-UNITS  
Process: CLW

Emission Unit: U-UNITS  
Process: MSW

Emission Unit: U-UNITS  
Process: STS

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

**Item 65.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Facility-wide Maximum Annual Potential (MAP) for oxides of nitrogen (NO<sub>x</sub>) shall not exceed 1457 tons/365-day rolling average, as measured by the continuous emission monitoring data acquisition system (CEMDAS). Annual Relative Accuracy Test Audit (RATA) must be conducted to verify the mass emission rate calculations as shown below.

The Reference Method (RM) to calculate the mass emission of NO<sub>x</sub> at each flue exit must include 40 CFR Part 60, Appendix A, Method 2 (Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube)) and Method 4 (Determination of Moisture Content in Stack Gases) along with Method 7E (Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)) to determine the volumetric flow rate of gas stream at standard conditions, on a dry basis.



This NOx emission limit shall be determined by using the following formula:

Total rolling cumulative NOx emissions shall be calculated as follows:

$$\text{RCT (365NOx)} = \frac{\text{Daily SumNOx (sum of previous 365 days)}}{n - 1}$$

where:

RCT (365NOx) = Rolling cumulative total NOx emissions in tons/year for any consecutive 365-day period

$$\text{Daily SumNOx} = \frac{\text{Sum of facility-wide daily NOx emissions in tons/year for the previous 365 days}}{n - 1}$$

$$\begin{aligned} \text{lb/day NOx per unit} &= \text{NOx ppmdv@7\% O}_2 \text{ (24-hr average)} \times 1/1,000,000 \times \\ &46.01 \text{ lb/lb-mol NOx} \times \text{lb-mol}/385.3 \text{ ft}^3 \times 14,389 \text{ dscf/MMBTU} \\ &\text{@7\% O}_2 \times \text{MMBTU}/1,000,000 \text{ BTU} \times 4700 \text{ BTU/lb} \times 2000 \text{ lb/ton} \times \\ &890.4 \text{ tpd/unit} \end{aligned}$$

The facility may request to substitute the Method 19 F-factor of 14,389 dscf/MMBTU @ 7% O2 used in the formula above with a facility-specific F-factor based on actual stack testing. The methodology/protocol to determine the facility-specific F-factor shall be submitted to EPA and the Department for prior review and approval. EPA and the Department will make a determination on the acceptability of this F-factor based on the proposed protocol and actual stack test results. If this change is accepted, the permit will be amended administratively.

Manufacturer Name/Model Number: TECO-42C  
 Parameter Monitored: OXIDES OF NITROGEN  
 Upper Permit Limit: 1457 tons per year  
 Reference Test Method: 40CFR60, App. A -M2, M4, 7E and App. B & F  
 Monitoring Frequency: CONTINUOUS  
 Averaging Method: ANNUAL MAXIMUM ROLLED DAILY  
 Reporting Requirements: QUARTERLY (CALENDAR)  
 Reports due 30 days after the reporting period.  
 The initial report is due 1/30/2005.  
 Subsequent reports are due every 3 calendar month(s).



**Condition 67: Compliance Demonstration**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 67.1:**

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

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 67.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen) or 85% reduction of mercury, 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 testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm (corrected to 7% oxygen) or 85% reduction of mercury, whichever is less stringent. However, the average of annual stack tests on each MWC unit at the facility must be in compliance with the federal limit of 80 ug/dscm (corrected to seven percent oxygen) or 85 percent removal, whichever is less stringent. Four years after the effective date of this Subpart (i.e., 10/30/06), the averaging of the annual stack tests across all incinerators at the facility will end and each of the facility's incinerators must be in compliance with the emission limit of 28 ug/dscm (corrected to seven percent oxygen) or 85 percent removal, whichever is less stringent.

Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively. Compliance with this requirement is required within one year of the effective date of the regulation (i.e., by 10/30/03). Initial compliance testing must take place within 180 days of the compliance date of the regulation (i.e., by 4/30/04).



Parameter Monitored: MERCURY

Lower Permit Limit: 85 percent reduction by weight

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 68: Compliance Demonstration**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 68.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 68.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for mercury is 28 ug/dscm (corrected to 7% oxygen) or 85% reduction of mercury, 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 testing procedures contained in 40 CFR 60.58b(d)(2). This average of all the facility's MWC units must be in compliance with the emission limit of 28 ug/dscm (corrected to 7% oxygen) or 85% reduction of mercury, whichever is less stringent. However, the average of annual stack tests on each MWC unit at the facility must be in compliance with the federal limit of 80 ug/dscm (corrected to seven percent oxygen) or 85 percent removal, whichever is less stringent. Four years after the effective date of this Subpart (i.e., 10/30/06), the averaging of the annual stack tests across all incinerators at the facility will end and each of the facility's incinerators must be in compliance with the emission limit of 28 ug/dscm (corrected to seven percent oxygen) or 85 percent removal, whichever is less stringent.

Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and



procedures, inclusive of manufacturer's specifications, required to operate such devices effectively. Compliance with this requirement is required within one year of the effective date of the regulation (i.e., by 10/30/03). Initial compliance testing must take place within 180 days of the compliance date of the regulation (i.e., by 4/30/04).

Parameter Monitored: MERCURY

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

Reference Test Method: As indicated above

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

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

**Replaces Condition(s) 70**

**Item 1-35.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3



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

**Item 1-35.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For each incinerator unit, carbon monoxide emissions shall not exceed the limit shown in this condition (based on the averaging period specified). This is equivalent to a combustion efficiency (as defined in 6 NYCRR Part 219-2.4) of 99.92 percent.

Manufacturer Name/Model Number: As per Plan/Protocol

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 12% CO2)

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-36: Compliance Demonstration  
Effective for entire length of Permit**

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

**Replaces Condition(s) 71**

**Item 1-36.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: FABRI

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: INCIN

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: SPRAY

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: FABR2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: INCI2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: SPRA2



Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: FABR3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: INCI3

Emission Unit: U-UNITS  
Process: MW3

Emission Point: 00003  
Emission Source: SPRA3

**Item 1-36.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following additional parameters shall be continuously monitored at each incinerator stack exhaust location:

Hydrogen Chloride\*

Carbon dioxide\*\*

Oxygen\*\*\*

\* If hydrogen chloride monitors are not initially installed, NYSDEC reserves the right to require subsequent installation in the future if such monitoring is determined to be necessary by NYSDEC.

\*\* Monitors should be located before and after any air pollution control equipment.

\*\*\* Monitors must be located before any air pollution control equipment.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

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

**Replaces Condition(s) 69**

**Item 1-37.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: FABRI

Emission Unit: U-UNITS  
Process: MW1

Emission Point: 00001  
Emission Source: INCIN

Emission Unit: U-UNITS

Emission Point: 00001



Process: MW1	Emission Source: SPRAY
Emission Unit: U-UNITS	Emission Point: 00002
Process: MW2	Emission Source: FABR2
Emission Unit: U-UNITS	Emission Point: 00002
Process: MW2	Emission Source: INCI2
Emission Unit: U-UNITS	Emission Point: 00002
Process: MW2	Emission Source: SPRA2
Emission Unit: U-UNITS	Emission Point: 00003
Process: MW3	Emission Source: FABR3
Emission Unit: U-UNITS	Emission Point: 00003
Process: MW3	Emission Source: INCI3
Emission Unit: U-UNITS	Emission Point: 00003
Process: MW3	Emission Source: SPRA3

**Item 1-37.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

**ADDITIONAL STACK TESTING REQUIREMENTS**

Stack testing must be conducted for the following contaminants (all concentration corrected to 7% O2):

- Polychlorinated dibenzo-p-dioxins (ng/dscm)\*
- Polychlorinated dibenzo-p-furans (ng/dscm)\*
- Polycyclic Aromatic Hydrocarbon (ng/dscm)\*\*
- Polychlorinated Biphenyls (ng/dscm)\*\*
- Heavy Metals (in pounds per hour) \*\*\*

- Arsenic
- Beryllium
- Cadmium
- Chromium
- Lead
- Mercury
- Nickel

The above list of contaminants may be changed as deemed necessary by the Commissioner of DEC. The permittee shall also comply with the testing requirements of 40CFR60, Subpart Cb.

\* Testing of congeners of these contaminants is required, as specified by DEC. Such testing will only be required at one of the three incinerator sources at the facility each year.

\*\* Testing of PAH and PCB will follow the testing schedule as specified in 40CFR60.58b(g)(5)(iii).

\*\*\* Testing of metals (except Cadmium, Lead and Mercury) can be performed for one boiler flue and shall alternate



between units for each scheduled testing. Testing of Cadmium, Lead and Mercury shall be performed in accordance with 40CFR60, Subpart Cb requirements.

Witnessing of any portion of stack tests, at the discretion of DEC staff, is required. DEC will not accept the results of any stack tests done in the absence of an approved protocol, or which are not properly witnessed. A report presenting the results of stack testing shall be submitted by the permittee to DEC in accordance with 6NYCRR Part 202.

Reference Test Method: Based on Approved Protocol  
Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

**Condition 69: Compliance Demonstration**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

**Replaced by Condition(s) 1-37**

**Item 69.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-UNITS

Process: MSW

**Item 69.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

**ADDITIONAL STACK TESTING REQUIREMENTS**

Stack testing must be conducted for the following contaminants (all concentration corrected to 7% O<sub>2</sub>):

- Polychlorinated dibenzo-p-dioxins (ng/dscm)\*
- Polychlorinated dibenzo-p-furans (ng/dscm)\*
- Polycyclic Aromatic Hydrocarbon (ng/dscm)\*\*
- Polychlorinated Biphenyls (ng/dscm)\*\*
- Heavy Metals (in pounds per hour) \*\*\*

Arsenic  
Beryllium  
Cadmium  
Chromium  
Lead  
Mercury  
Nickel



The above list of contaminants may be changed as deemed necessary by the Commissioner of DEC. The permittee shall also comply with the testing requirements of 40CFR60, Subpart Cb.

\* Testing of congeners of these contaminants is required, as specified by DEC. Such testing will only be required at one of the three incinerator sources at the facility each year.

\*\* Testing of PAH and PCB will follow the testing schedule as specified in 40CFR60.58b(g)(5)(iii).

\*\*\* Testing of metals (except Cadmium, Lead and Mercury) can be performed for one boiler flue and shall alternate between units for each scheduled testing. Testing of Cadmium, Lead and Mercury shall be performed in accordance with 40CFR60, Subpart Cb requirements.

Witnessing of any portion of stack tests, at the discretion of DEC staff, is required. DEC will not accept the results of any stack tests done in the absence of an approved protocol, or which are not properly witnessed. A report presenting the results of stack testing shall be submitted by the permittee to DEC in accordance with 6NYCRR Part 202.

Reference Test Method: Based on Approved Protocol  
Monitoring Frequency: ANNUALLY  
Averaging Method: ARITHMETIC MEAN  
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 70: Compliance Demonstration**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 70.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

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

**Item 70.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:

FOR EACH INCINERATOR UNIT, CARBON MONOXIDE EMISSIONS SHALL NOT EXCEED THE LIMIT SHOWN IN THIS CONDITION (based on



the averaging period specified). THIS IS EQUIVALENT TO A COMBUSTION EFFICIENCY (AS DEFINED IN 6NYCRR PART 219-2.4) OF 99.92 PERCENT.

Manufacturer Name/Model Number: As per Plan / Protocol  
Parameter Monitored: CARBON MONOXIDE  
Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 12% CO<sub>2</sub>)  
Reference Test Method: 40CFR60, Appn. B & F  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY  
Reporting Requirements: QUARTERLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2005.  
Subsequent reports are due every 3 calendar month(s).

**Condition 71: Compliance Demonstration**  
**Effective between the dates of 11/24/2004 and Permit Expiration Date**

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

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

**Item 71.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-UNITS  
Process: MSW

**Item 71.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following additional parameters shall be continuously monitored at each incinerator stack

exhaust location:

Hydrogen Chloride\*

Carbon dioxide\*\*

Oxygen\*\*\*

\* If hydrogen chloride monitors are not initially installed, NYSDEC reserves the right to require subsequent installation in the future if such monitoring is determined to be necessary by NYSDEC.

\*\* Monitors should be located before and after any air pollution control equipment.

\*\*\* Monitors must be located before any air pollution control equipment.

Monitoring Frequency: CONTINUOUS



Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

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

**Item 1-38.1:**

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

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: FABRI

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: INCIN

Emission Unit: U-UNITS                      Emission Point: 00001  
Process: MW1                                      Emission Source: SPRAY

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: FABR2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: INCI2

Emission Unit: U-UNITS                      Emission Point: 00002  
Process: MW2                                      Emission Source: SPRA2

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: FABR3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: INCI3

Emission Unit: U-UNITS                      Emission Point: 00003  
Process: MW3                                      Emission Source: SPRA3

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

**Item 1-38.2:**

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 1-39: Compliance Demonstration**  
**Effective for entire length of Permit**

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

**Item 1-39.1:**

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

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3

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



**Item 1-39.2:**

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% O<sub>2</sub>, dry basis)

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727

