



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: 12/01/2010 Expiration Date: 11/30/2015
Mod 1 Effective Date: 10/30/2012 Expiration Date: 11/30/2015

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

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

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 TV permit modification reflects the conversion of annual facility throughput limit from 975,000 tons of MSW per year (12 month rolling basis) to 6,250,000 thousand pounds of steam per year (12 month rolling basis) and reduction in facility wide NOx emissions cap from 1457 tons/year to 1280 tons/year (both on a 365 day rolling basis).

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: SUSAN ACKERMAN
NYSDEC - SUNY @ STONY BROOK
50 CIRCLE RD
STONY BROOK, NY 11790-3409

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal -
REGION 1 HEADQUARTERS



DEC GENERAL CONDITIONS

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

**For the purpose of your Title V permit, the following section contains
state-only enforceable terms and conditions.
GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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



Condition 1-1: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 1-1.1:

The Department reserves the right to exercise all available authority 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 or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409
(631) 444-0265



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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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

Mod 0 Permit Effective Date: 12/01/2010

Permit Expiration Date: 11/30/2015

Mod 1 Permit Effective Date: 10/30/2012

Permit Expiration Date: 11/30/2015



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6 NYCRR 215.2: Open Fires - Prohibitions
- 11 6 NYCRR 200.7: Maintenance of Equipment
- 12 6 NYCRR 201-1.7: Recycling and Salvage
- 13 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 14 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 15 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 16 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 17 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 18 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 19 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 20 6 NYCRR 202-1.1: Required Emissions Tests
- 21 6 NYCRR 211.3: Visible Emissions Limited
- 22 40 CFR Part 68: Accidental release provisions.
- 23 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 24 6 NYCRR 200.3: False statement
- 25 6 NYCRR Subpart 201-3: Statement of Applicability to Regulation
- 26 6 NYCRR Subpart 201-6: Emission Unit Definition
- 27 6 NYCRR 201-6.5 (c): Compliance Certification
- 30 6 NYCRR 202-1.2: Notification
- 31 6 NYCRR 202-1.3: Acceptable procedures
- 32 6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 1-1 6 NYCRR 211.1: Air pollution prohibited
- 1-2 6 NYCRR 231-11.2 (c): Compliance Certification
- 33 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 35 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 36 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 37 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 38 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 39 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 40 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 41 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification

Emission Unit Level

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

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

EU=U-UNITS

- 1-3 6 NYCRR 231-6.2: Compliance Certification
- 1-4 6 NYCRR 231-6.2: Compliance Certification
- 1-5 6 NYCRR 231-11.2: Compliance Certification
- 1-6 6 NYCRR 231-11.2 (c): Compliance Certification
- 44 40CFR 60.33b(a)(1)(i), NSPS Subpart Cb: Compliance Certification
- 45 40CFR 60.33b(a)(2)(i), NSPS Subpart Cb: Compliance Certification
- 46 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 47 40CFR 60.33b(a)(3), NSPS Subpart Cb: Compliance Certification
- 48 40CFR 60.33b(a)(4), NSPS Subpart Cb: Compliance Certification
- 49 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 50 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 51 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 52 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 53 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification

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

- 54 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 55 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 56 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 57 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

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

- 58 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 59 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 60 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

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

- 61 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 62 ECL 19-0301: Contaminant List
- 63 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 64 6 NYCRR 211.2: Air pollution prohibited
- 1-7 6 NYCRR 211.2: Visible Emissions Limited
- 65 6 NYCRR 617.11 (d): Compliance Demonstration
- 66 6 NYCRR 617.11 (d): Compliance Demonstration
- 67 6 NYCRR 617.11 (d): Compliance Demonstration

Emission Unit Level

EU=U-UNITS

- 1-8 6 NYCRR Subpart 231-8: Compliance Demonstration
- 1-9 6 NYCRR Subpart 231-8: Compliance Demonstration
- 1-10 6 NYCRR 231-11.2 (c): Compliance Demonstration
- 68 6 NYCRR 219-7.2: Compliance Demonstration
- 69 6 NYCRR 219-7.2: Compliance Demonstration



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

(1) An emergency occurred and that the facility owner and/or

operator can identify the cause(s) of the emergency;

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

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

(4) The facility owner and/or operator notified the Department

within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and 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 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 201-6.5 (a) (6)

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

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Item I: Severability - 6 NYCRR 201-6.5 (a) (9)

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

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

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V 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 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

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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

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(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: Acceptable Ambient Air Quality
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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

Condition 2: Fees
Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 2.1:

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

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 3.1:

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

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

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

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

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 4.1:

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

Condition 5: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum

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

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

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

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A

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written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

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Condition 6: Compliance Certification
Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to

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

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement: 6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

Monitoring Frequency: ANNUALLY

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Reporting Requirements: ANNUALLY (CALENDAR)
Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR Part 215

Item 9.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Condition 10: Open Fires - Prohibitions
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 215.2

Item 10.1:

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

Item 10.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use,

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provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.

(e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.

(f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.

(g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.

(h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

Condition 11: Maintenance of Equipment
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement: 6 NYCRR 200.7

Item 11.1:

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

Condition 12: Recycling and Salvage
Effective between the dates of 12/01/2010 and 11/30/2015



Applicable Federal Requirement:6 NYCRR 201-1.7

Item 12.1:

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

Condition 13: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 13.1:

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 14: Exempt Sources - Proof of Eligibility

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 14.1:

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

Condition 15: Trivial Sources - Proof of Eligibility

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 15.1:

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

Condition 16: Standard Requirement - Provide Information

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 16.1:

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

Condition 17: General Condition - Right to Inspect

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 17.1:

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

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

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

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

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

Condition 18: Standard Requirements - Progress Reports

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 18.1:

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 19: Off Permit Changes

Effective between the dates of 12/01/2010 and 11/30/2015



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

Item 19.1:

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

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

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

Condition 20: Required Emissions Tests

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 20.1:

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

Condition 21: Visible Emissions Limited

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 211.3

Item 21.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 22: Accidental release provisions.

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:40 CFR Part 68

Item 22.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities

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greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

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

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

Condition 23: Recycling and Emissions Reduction
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:40CFR 82, Subpart F

Item 23.1:

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

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

Condition 24: False statement
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 200.3

Item 24.1:

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

Condition 25: Statement of Applicability to Regulation
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-3

Item 25.1:

The requirements of 6 NYCRR Subpart 201-3 apply to all exempt and trivial activities at this facility.

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Condition 26: Emission Unit Definition

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 26.1(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 381.5 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 may 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. The facility is authorized to use leachate in the spray dry absorbers (SDA) in accordance with the approved BUD No. 958-1-30 dated September 23, 2009 by the Division of Solid and Hazardous Materials.

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Building(s): STACK

Condition 27: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 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

Item 27.2:

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.

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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.

The initial report is due 1/30/2011.

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

Condition 30: Notification

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 202-1.2

Item 30.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 31: Acceptable procedures

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 31.1:

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

Condition 32: Acceptable procedures - Stack test report submittal

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 202-1.3

Item 32.1:

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Emission test reports must be submitted in triplicate to the commissioner within 60 days after the completion of the tests, unless additional time is requested in writing.

Condition 1-1: Air pollution prohibited
Effective between the dates of 10/30/2012 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 211.1

Item 1-1.1:

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

Condition 1-2: Compliance Certification
Effective between the dates of 10/30/2012 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 231-11.2 (c)

Item 1-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with Clause 231-4.1(b)(40)(i)(c) of this Part are added, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:

(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

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(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s).

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:

(i) the name, address, and telephone number of the major facility.

(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 33: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

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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: 007446-09-5

SULFUR DIOXIDE

Item 33.2:

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 50 ppm dry volume corrected to 12% CO₂, 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 SO₂. 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 SO₂ concentration limit.

Manufacturer Name/Model Number: Thermo Environmental

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 50 parts per million by volume (dry,
corrected to 12% CO₂)

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Reference Test Method: 40 CFR 60 App B & F
Monitoring Frequency: CONTINUOUS
Averaging Method: 8-HOUR RUNNING AVERAGE ROLLED HOURLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 3 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 35.1:

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

Emission Unit: 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: 007446-09-5	SULFUR DIOXIDE

Item 35.2:

Compliance Certification shall include the following monitoring:

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

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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 ppm_{dv} (8-hour running average). Compliance based on 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 SO₂ reduction.

Manufacturer Name/Model Number: Thermo Environmental

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.

The initial report is due 1/30/2011.

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

Condition 36: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 36.2:

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

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Reference Test Method: 40 CFR 60 App A RM10

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 37: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 37.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 37.2:

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 38: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS

Process: MW1

Emission Point: 00001

Emission Source: FABRI

Emission Unit: U-UNITS

Process: MW1

Emission Point: 00001

Emission Source: INCIN

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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 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Oxides of nitrogen (NO_x) 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.

Manufacturer Name/Model Number: Thermo Environmental

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 39: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 39.1:

The Compliance Certification activity will be performed for the facility:

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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 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Manufacturer Name/Model Number: Thermo Environmental

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)

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Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 3 calendar month(s).

Condition 40: Compliance Certification **Effective between the dates of 12/01/2010 and 11/30/2015**

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

Item 40.1:

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 40.2:

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

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inside buildings or enclosures of ash conveying systems:
however, it does cover visible emissions discharged to the
atmosphere from buildings or enclosures of ash conveying
systems. This emission limit does not apply during
maintenance and repair of ash conveying systems.

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 9 MINUTES PER 3-HOUR PERIOD

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 41: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 41.1:

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

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Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

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

Condition 42: Emission Point Definition By Emission Unit
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 42.1(From Mod 0):

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

Emission Unit: U-UNITS

Emission Point: 00001

Height (ft.): 382

Diameter (in.): 96

NYTMN (km.): 4510.713

NYTME (km.): 619.066

Building: STACK

Emission Point: 00002

Height (ft.): 382

Diameter (in.): 96

NYTMN (km.): 4510.712

NYTME (km.): 619.069

Building: STACK

Emission Point: 00003

Height (ft.): 382

Diameter (in.): 96

NYTMN (km.): 4510.708

NYTME (km.): 619.066

Building: STACK

Condition 43: Process Definition By Emission Unit
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 43.1(From Mod 1):

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

Emission Unit: U-UNITS

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Process: CW1

Source Classification Code: 5-03-001-05

Process Description:

Unadulterated wood may be 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 43.2(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 maybe 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 43.3(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 maybe used as an auxiliary fuel, to increase the BTU content of the waste. The unadulterated

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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 43.4(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 43.5(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

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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 43.6(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 43.7(From Mod 1):

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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 43.8(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 43.9(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

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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

Condition 1-3: Compliance Certification
Effective between the dates of 10/30/2012 and 11/30/2015

Applicable Federal Requirement:6 NYCRR 231-6.2

Item 1-3.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

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

Item 1-3.2:

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 1280 tons/365-day rolling total. 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 NOx emission limit shall be determined by using the following formula:

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Total rolling cumulative NO_x emissions shall be calculated as follows:

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

where:

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

n - 365

Daily SumNO_x = Sum of facility-wide daily NO_x emissions in tons/year for the previous 365 days

n - 1

Tons/day NO_x for each unit is determined using the following equation for calculating hourly NO_x mass emission (NO_x unit j) and summing over the number of hours the unit operated in a day (midnight to midnight)

$$\text{NO}_x \text{ unit } j = (\text{NO}_x \text{ ppmv@7\% O}_2 \text{ for hour } i) \times (1.194 \times 10^{-7} \text{ lb NO}_x/\text{dscf}) \times ((20.9/(20.9-7)) \times (9570 \text{ dscf/MMBtu}) \times (H \text{ MMBtu/K lbs steam}) \times (S \text{ K lbs steam/hr for hour } i) \times (\text{ton}/2000 \text{ lb})$$

Where:

H = ratio of heat input (MMBtu) and steam output (thousand pounds of steam) at the boiler nameplate capacity derived based on historical data (a single value will be developed that will be used for each of the three Efw units)

S = hourly steam generation rate for each Efw unit (in thousand pounds of steam per hour) using a steam flow meter

Manufacturer Name/Model Number: Thermo Environmental

Upper Permit Limit: 1280 tons per year

Reference Test Method: 40CFR60, AppA-M2,M4,7E and App B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 1-4: Compliance Certification

Effective between the dates of 10/30/2012 and 11/30/2015

Applicable Federal Requirement: 6 NYCRR 231-6.2

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Item 1-4.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Item 1-4.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Steam Generation Rate:

The facility shall not generate more than 6,250,000 thousand pounds of steam per 12-month rolling total and shall report to the Department, on a monthly basis, the facility's 12 month rolling total steam generation rate. The steam generation rate shall be monitored continuously as required elsewhere in this permit.

Parameter Monitored: STEAM OUTPUT

Upper Permit Limit: 6250000000 pounds per year

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 11/30/2012.

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

Condition 1-5: Compliance Certification

Effective between the dates of 10/30/2012 and 11/30/2015

Applicable Federal Requirement: 6 NYCRR 231-11.2

Item 1-5.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Item 1-5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following information associated with the conversion of the MSW throughput limit to the steam generation limit must be maintained for CO₂, SO₂, VOC, PM_{2.5}, PM₁₀, Pb, F, H₂SO₄, MWC organics (as total dioxins/furans), MWC metals (as PM), MWC acid gases (SO₂ and HCl), and green house gases (CO₂, CH₄, N₂O) for a minimum of five years:

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1. a description of the conversion of the MSW throughput cap to a steam cap;
2. the calculation of the project emission potential for each EfW unit including supporting documentation; and
3. the date the annual steam generation limit went into effect.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-6: Compliance Certification
Effective between the dates of 10/30/2012 and 11/30/2015

Applicable Federal Requirement: 6 NYCRR 231-11.2 (c)

Item 1-6.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Item 1-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fine particulate matter (PM_{2.5}) and greenhouse gas (CO₂, CH₄, N₂O) emissions from the EfW units that have been projected to increase by more than 50 percent of the significant project thresholds as a result of the conversion of the MSW throughput limit to the steam generation limit must be monitored and annual emissions of these contaminants in tons per year on a calendar year basis must be calculated and a record of the annual emissions must be maintained for a period of five years following the date the steam generation limit goes into effect.

A report must be submitted to the department within 30 days after the end of each year during which records must be generated in accordance with the above paragraph. The report must contain:

- (i) the name, address, and telephone number of the major facility;
- (ii) the annual emissions as calculated pursuant to the above paragraph; and
- (iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 44: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Cb

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 44.2:

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. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Stack emissions tests will be required on annual basis unless otherwise directed by the Department.

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

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 45: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Cb

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Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007440-43-9 CADMIUM

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Reference Test Method: EPA Ref Test Method

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 46: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Each affected MWC unit is required to meet the less

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stringent of either of the following: an emission limit for mercury not to exceed 50 micrograms per dry standard cubic meter, corrected to 7 percent oxygen or, an 85 percent reduction by weight of the potential mercury emission concentration. Compliance with the emission concentration limit will be determined by conducting a stack emission test according to a protocol and schedule approved by the Department. Reporting shall be done in accordance with 40 CFR 60.39b, as applicable. Stack emissions tests will be required on annual basis unless otherwise directed by the Department.

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

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 47: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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Lower Permit Limit: 85 percent reduction by weight
(corrected to 7% O₂, dry basis)
Monitoring Frequency: ANNUALLY
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 12/01/2010 and 11/30/2015

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

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

Emission Unit: U-UNITS

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

Item 48.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Monitoring Frequency: ANNUALLY
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 12/01/2010 and 11/30/2015

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

Cb

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Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 50: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Cb

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 50.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 51: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Cb

Item 51.1:

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 51.2:

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. Reporting shall be done in

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accordance with 40 CFR 60.39b, as applicable. Stack emissions tests will be required on annual basis unless otherwise directed by the Department.

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

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 52: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Cb

Item 52.1:

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 52.2:

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Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 53: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Cb

Item 53.1:

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

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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 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

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

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.

The initial report is due 1/30/2011.

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

Condition 54: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Cb

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Emission Point: 00001

Process: MW1

Emission Source: INCIN

Regulated Contaminant(s):

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CAS No: 007446-09-5 SULFUR DIOXIDE

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

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

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.

The initial report is due 1/30/2011.

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

Condition 55: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 55.1:

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

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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 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 56: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 56.1:

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

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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 56.2:

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.

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Parameter Monitored: STEAM OUTPUT
Upper Permit Limit: 110 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 57.1:

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 57.2:

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

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

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

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

Parameter Monitored: TEMPERATURE ABOVE CONTROL DEVICE TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 58: Operating Manual

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 58.1:

This Condition applies to Emission Unit: U-UNITS Emission Point: 00001

Process: MW1

Emission

Source: INCIN

Item 58.2:

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

- (1) A summary of the applicable standards under 40 CFR 60, Subpart Cb;
- (2) A description of basic combustion theory applicable to a municipal waste

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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 59: Operator Training

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 59.1:

This Condition applies to Emission Unit: U-UNITS Emission Point: 00001

Process: MW1

Emission

Source: INCIN

Item 59.2:

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

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who have obtained only provisional certification from the American Society of Mechanical Engineers on or before October 5, 1998.

Condition 60: Compliance Certification

Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 60.1:

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 60.2:

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.

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

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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 61: Compliance and performance testing.
Effective between the dates of 12/01/2010 and 11/30/2015

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

Item 61.1:

This Condition applies to Emission Unit: U-UNITS Emission Point: 00001

Process: MW1

Emission

Source: INCIN

Item 61.2:

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 61.3:

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: 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 12/01/2010 and 11/30/2015

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: 000630-08-0

Name: CARBON MONOXIDE

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

CAS No: 007439-92-1
Name: LEAD

CAS No: 007439-97-6
Name: MERCURY

CAS No: 007440-43-9
Name: CADMIUM

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

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

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

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

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

Condition 63: Unavoidable noncompliance and violations
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable State Requirement: 6 NYCRR 201-1.4

Item 63.1:

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

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

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

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

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

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

Condition 64: Air pollution prohibited
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable State Requirement:6 NYCRR 211.2

Item 64.1:

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

Condition 1-7: Visible Emissions Limited
Effective between the dates of 10/30/2012 and 11/30/2015

Applicable State Requirement:6 NYCRR 211.2

Item 1-7.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

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Condition 65: Compliance Demonstration
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable State Requirement: 6 NYCRR 617.11 (d)

Item 65.1:

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 65.2:

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

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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.
The initial report is due 1/30/2011.
Subsequent reports are due every 3 calendar month(s).

Condition 66: Compliance Demonstration
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable State Requirement: 6 NYCRR 617.11 (d)

Item 66.1:

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

Item 66.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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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 67: Compliance Demonstration

Effective between the dates of 12/01/2010 and 11/30/2015

Applicable State Requirement: 6 NYCRR 617.11 (d)

Item 67.1:

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	Emission Point: 00003

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Process: MW3

Emission Source: INCI3

Emission Unit: U-UNITS

Emission Point: 00003

Process: MW3

Emission Source: SPRA3

Item 67.2:

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

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Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

Condition 1-8: Compliance Demonstration
Effective between the dates of 10/30/2012 and 11/30/2015

Applicable State Requirement:6 NYCRR Subpart 231-8

Item 1-8.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-UNITS

Item 1-8.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Steam Generation Rate:

The facility shall not generate more than 6,250,000 thousand pounds of steam per 12-month rolling total and shall report to the Department, on a monthly basis, the facility's 12 month rolling total steam generation rate. The steam generation rate shall be monitored continuously as required elsewhere in this permit.

Parameter Monitored: STEAM OUTPUT

Upper Permit Limit: 6250000000 pounds per year

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL TOTAL ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 1-9: Compliance Demonstration
Effective between the dates of 10/30/2012 and 11/30/2015

Applicable State Requirement:6 NYCRR Subpart 231-8

Item 1-9.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-UNITS

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Regulated Contaminant(s):

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

Item 1-9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Facility-wide Maximum Annual Potential (MAP) for oxides of nitrogen (NO_x) shall not exceed 1280 tons/365-day rolling total. 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_x 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_x emission limit shall be determined by using the following formula:

Total rolling cumulative NO_x emissions shall be calculated as follows:

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

where:

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

$n - 365$

Daily SumNO_x = Sum of facility-wide daily NO_x emissions in tons/year for the previous 365 days

$n - 1$

Tons/day NO_x for each unit is determined using the following equation for calculating hourly NO_x mass emissions (NO_x unit j) and summing over the number of hours the unit operated in a day (midnight to midnight)

$$\text{NO}_x \text{ unit } j = (\text{NO}_x \text{ ppmv@7\% O}_2 \text{ for hour } i) \times (1.194 \times 10^{-7} \text{ lb NO}_x/\text{dscf}) \times ((20.9/(20.9-7)) \times (9570 \text{ dscf/MMBtu}) \times (H \text{ MMBtu/K lbs steam}) \times (S \text{ K lbs steam/hr for hour } i) \times (\text{ton}/2000 \text{ lb})$$

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Where:

H= ratio of heat input (MMBtu) and steam output (thousand pounds of steam) at the boiler nameplate capacity derived based on historical data (a single value will be developed that will be used for each of the three EfW units)

S= hourly steam generation rate for each EfW unit (in thousand pounds of steam per hour) using a steam flow meter

Manufacturer Name/Model Number: Thermo Environmental

Upper Permit Limit: 1280 tons per year

Reference Test Method: 40CFR60, AppA,M2,M4,M7E,M19 and App B&F

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 1-10: Compliance Demonstration

Effective between the dates of 10/30/2012 and 11/30/2015

Applicable State Requirement:6 NYCRR 231-11.2 (c)

Item 1-10.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-UNITS

Item 1-10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For a modification with a project emission potential which is less than 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, but equals or exceeds 50 percent of the applicable significant project threshold when emissions excluded in accordance with Clause 231-4.1(b)(40)(i)(c) of this Part are added, or for a modification with a project emission potential which equals or exceeds 50 percent of the applicable significant project threshold in Table 3, Table 4 or Table 6 of Subpart 231-13 of this Part, the facility owner or operator must submit an application to modify the facility permit under the minor permit provisions of Subpart 201-6 of this Title or obtain a preconstruction permit under the provisions of Subpart 201-6 of this Title, and must:

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(1) maintain the following information for a minimum of five years:

(i) a description of the modification.

(ii) an identification of each new or modified emission source(s) including the associated processes and emission unit.

(iii) the calculation of the project emission potential for each modified emission source(s) including supporting documentation.

(iv) the date the modification commenced operation.

(2) monitor the emissions of each regulated NSR contaminant from the emission source(s) that will increase as a result of the modification, and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the modification, or for a period of 10 years following resumption of regular operations after the change if the modification increases the design capacity of or potential to emit the regulated NSR contaminant at such emission source(s).

(3) submit a report to the department within 30 days after the end of each year during which records must be generated in accordance with Paragraph 231-11.2(c)(2) of this Part. The report must contain:

(i) the name, address, and telephone number of the major facility.

(ii) the annual emissions as calculated pursuant to Paragraph (c)(2) of this Section.

(iii) a comparison of actual annual emissions to the projected actual emissions and, if applicable, an explanation as to why the actual annual emissions exceeded the projected actual emissions.

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 68: Compliance Demonstration
Effective between the dates of 12/01/2010 and 11/30/2015

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Applicable State Requirement: 6 NYCRR 219-7.2

Item 68.1:

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 68.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (concentration), or the 85 percent reduction by weight Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively.

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Parameter Monitored: MERCURY
Upper Permit Limit: 28 micrograms per dry standard cubic
meter (corrected to 7% oxygen)
Reference Test Method: EPA Ref. Method 29
Monitoring Frequency: ANNUALLY
Averaging Method: ARITHMETIC MEAN
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 12 calendar month(s).

Condition 69: Compliance Demonstration
Effective between the dates of 12/01/2010 and 11/30/2015

Applicable State Requirement: 6 NYCRR 219-7.2

Item 69.1:

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 69.2:

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (percent reduction), or the concentration Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively.

Parameter Monitored: MERCURY

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

