



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 1-2820-01727/00028  
Effective Date: 07/13/2016 Expiration Date: 07/12/2021

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

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

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

Description:  
Covanta Hempstead Company (Covanta) owns and operates the Hempstead Resource Recovery Facility (Covanta Hempstead EfW Facility), located in Westbury, New York. The facility generates steam from the combustion of municipal solid waste (MSW) in three identical EfW units. The steam is used to power a steam turbine generator to produce electricity for sale to the Long Island Power Authority (LIPA). The facility is permitted to generate up to 6,250,000 thousand pounds of steam per year on a 12-month rolling total basis in the three identical EfW units.

On October 30, 2012, the facility's annual waste throughput limit of 975,000 tons was converted to a steam generation limit. At that time, the facility wide NOx emission cap was lowered from 1457 tpy to 1280 tpy. The project did not trigger New Source Review, however certain record keeping provisions remain in effect (5 years from the effective date).

**New York State Department of Environmental Conservation**  
Facility DEC ID: 1282001727



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 - REGION 1 SUNY @ STONY BROOK  
  50 CIRCLE RD  
  STONY BROOK, NY 11790-3409

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

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



**DEC GENERAL CONDITIONS**

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

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

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

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

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

**Item 2.1:**

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

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

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.3:**

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

**Condition 4: Permit modifications, suspensions or revocations by the Department**

**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**



The Department reserves the right to 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.

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

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

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

**Item 5.1:**

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

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

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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

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

**IDENTIFICATION INFORMATION**

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

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

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

Permit Effective Date: 07/13/2016

Permit Expiration Date: 07/12/2021



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR 200.3: False statement
- 22 6 NYCRR Subpart 201-3: Statement of Applicability to Regulation
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 24 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 25 6 NYCRR 202-1.2: Notification
- 26 6 NYCRR 202-1.3: Acceptable procedures
- 27 6 NYCRR 202-1.3: Acceptable procedures - Stack test report submittal
- 28 6 NYCRR 211.1: Air pollution prohibited
- 29 6 NYCRR 231-11.2 (c): Compliance Certification
- 30 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 31 40CFR 52.21(j)(2), Subpart A: Compliance Certification
- 32 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 33 40CFR 60.33b(b)(3)(i), NSPS Subpart Cb: Compliance Certification
- 34 40CFR 60.33b(d), NSPS Subpart Cb: Compliance Certification
- 35 40CFR 60.34b(a), NSPS Subpart Cb: Compliance Certification
- 36 40CFR 60.36b, NSPS Subpart Cb: Compliance Certification
- 37 40CFR 60.39b(a), NSPS Subpart Cb: Compliance Certification

#### Emission Unit Level

- 38 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 39 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

#### EU=U-UNITS

- 40 6 NYCRR 231-6.2: Compliance Certification





- 41 6 NYCRR 231-6.2: Compliance Certification
- 42 6 NYCRR 231-11.2: Compliance Certification
- 43 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)(4), NSPS Subpart Cb: Compliance Certification
- 47 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 48 40CFR 60.33b(b)(3)(ii), NSPS Subpart Cb: Compliance Certification
- 49 40CFR 60.33b(c)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 50 40CFR 60.33b(a)(1)(iii), NSPS Subpart Cb: Compliance Certification
- 51 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification
- 52 40CFR 60.34b(b), NSPS Subpart Cb: Compliance Certification

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

- 53 40CFR 60.35b, NSPS Subpart Cb: Operating Manual
- 54 40CFR 60.35b, NSPS Subpart Cb: Operator Training
- 55 40CFR 60.35b, NSPS Subpart Cb: Compliance Certification

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

- 56 40CFR 60.38b, NSPS Subpart Cb: Compliance and performance testing.

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 57 ECL 19-0301: Contaminant List
- 58 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 59 6 NYCRR 219-7.2: Compliance Demonstration
- 60 6 NYCRR 219-7.2: Compliance Demonstration
- 61 6 NYCRR 617.11 (d): Compliance Demonstration

**Emission Unit Level**

**EU=U-UNITS**

- 62 6 NYCRR 231-11.2 (c): 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: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**

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

**Item B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (a) (4)**

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

**Item C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (d) (12)**

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

**Item D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (a) (2)**

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

**Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (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 F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (a) (5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item G: Property Rights - 6 NYCRR 201-6.4 (a) (6)**

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

**Item H: Severability - 6 NYCRR 201-6.4 (a) (9)**

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

**Item I: Permit Shield - 6 NYCRR 201-6.4 (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 J: Reopening for Cause - 6 NYCRR 201-6.4 (i)**

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

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

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

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

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

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

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



a shorter time period in the case of an emergency.

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

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

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

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

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

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

**Condition 1: Acceptable Ambient Air Quality  
Effective between the dates of 07/13/2016 and 07/12/2021**

**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

# New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



emission control required.

**Condition 2: Fees**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (7)**

**Item 2.1:**

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

**Condition 3: Recordkeeping and Reporting of Compliance Monitoring**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (c)**

**Item 3.1:**

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

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

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.2 of Part 201.

**Condition 4: Records of Monitoring, Sampling, and Measurement**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (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 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (c) (3) (ii)**

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring



report required above.

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(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 may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

**Condition 6: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:6 NYCRR 201-6.4 (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 annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section  
USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer  
NYSDEC- Region 1 Headquarters  
Stony Brook University  
50 Circle Road  
Stony Brook, NY 11790-3409

The address for the BQA is as follows:

NYSDEC

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 1/30/2017.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

**Condition 8: Recordkeeping requirements**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 8.1:**

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

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

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

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

**Condition 9: Open Fires - Prohibitions**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:6 NYCRR 215.2**

# New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



## Item 9.1:

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

## Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

**The following federally enforceable permit conditions are mandatory for all**



**Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.**

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

**Condition 10: Maintenance of Equipment**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**

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

**Condition 11: Recycling and Salvage**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 11.1:**

Where practical, the owner or operator of an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 12.1:**

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

**Condition 13: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 13.1:**

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

**Condition 14: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 07/13/2016 and 07/12/2021**





**Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)**

**Item 17.1:**

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 201-6.4 shall not apply to any change made pursuant to this paragraph.

**Condition 18: Required Emissions Tests**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 18.1:**

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 19: Accidental release provisions.**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 19.1:**

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
  - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided





**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



**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.

Building(s): STACK

**Condition 24: Progress Reports Due Semiannually  
Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement: 6 NYCRR 201-6.4 (d) (4)**

**Item 24.1:**





**Condition 29: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 29.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

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.

(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 1/30/2017.

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

**Condition 30: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 30.1:**

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 30.2:**

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 stack emission tests using 40 CFR 60, Appendix A, Method 25A or equivalent method acceptable to

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



the Commissioner.

Parameter Monitored: VOC

Upper Permit Limit: 21.5 pounds per hour

Reference Test Method: 40 CFR 60 App A RM25A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 31: Compliance Certification
Effective between the dates of 07/13/2016 and 07/12/2021

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

Item 31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include MW1, MW2, and MW3 processes with various emission points and sources like FABRI, INCIN, SPRAY, FABR2, INCI2, SPRA2, FABR3, INCI3, and SPRA3.

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

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



Monitoring Description:

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

Manufacturer Name/Model Number: Altech 9000

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 145.7 pounds per hour

Reference Test Method: 40 CFR 60 App A RM7E

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 32: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Cb**

**Item 32.1:**

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

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide (SO<sub>2</sub>) emissions from each flue shall not exceed 25 percent by weight of the uncontrolled SO<sub>2</sub> emissions (75 percent reduction), as determined by continuous monitoring, based on a 24-hour daily geometric mean, corrected to 7% O<sub>2</sub>. The permittee shall meet the less stringent of this limit or the SO<sub>2</sub> limit of 29 ppm<sub>dv</sub> (24-hour daily geometric mean). Compliance based on CEMs. CEMs shall be installed, maintained and operated in accordance with 40 CFR 60, Appendix B and Appendix F.

For CEMS block averages greater than 1-hour (such as 4-hour and 24-hour blocks), 75% of the 1-hour averages must be valid in order to have a valid block average. Block averages with less than 75% of valid 1-hour averages would be partial blocks that would not be used for compliance but would be reported in the quarterly excess emissions report along with the date, time period, and reason.

A partial block period could result during any block, other than the 1-hour period, that does not have solid waste continuously burning due to startup or shutdown or the unit being off line or the continuous emission monitoring being down (i.e., cylinder gas audit, etc.) for part of the block period. The exemption of data use under the Emission Guidelines (40 CFR 60.58b(a)(1)) may also create a partial block. Emission standards or permit limitations applicable to block periods are not applicable to the partial block periods. All partial block periods and the reason for the partial block period must be reported in the quarterly excess emissions report.

Manufacturer Name/Model Number: Altech 9000

Parameter Monitored: SULFUR DIOXIDE

Lower Permit Limit: 75 percent reduction by weight

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 10/30/2016.

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

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



**Condition 33: Compliance Certification**  
Effective between the dates of 07/13/2016 and 07/12/2021

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

**Cb**

**Item 33.1:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: FABRI
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: INCIN
Emission Unit: U-UNITS Process: MW1	Emission Point: 00001 Emission Source: SPRAY
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: FABR2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: INCI2
Emission Unit: U-UNITS Process: MW2	Emission Point: 00002 Emission Source: SPRA2
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: FABR3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: INCI3
Emission Unit: U-UNITS Process: MW3	Emission Point: 00003 Emission Source: SPRA3
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 (SO<sub>2</sub>) emissions from each flue shall not exceed 29 ppm dry volume corrected to 7% O<sub>2</sub>, as determined by continuous monitoring, based on a 24-hour daily geometric mean. The permittee shall meet the less stringent of this limit or the 75 percent reduction (24-hour daily geometric mean) of SO<sub>2</sub>. Compliance based on







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 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Oxides of nitrogen (NO<sub>x</sub>) emission limit per emission point based on 40 CFR 60.33b(d) NSPS Subpart Cb.

For CEMS block averages greater than 1-hour (such as 4-hour and 24-hour blocks), 75% of the 1-hour averages must be valid in order to have a valid block average. Block averages with less than 75% of valid 1-hour averages would be partial blocks that would not be used for compliance but would be reported in the quarterly excess emissions report along with the date, time period, and reason.

A partial block period could result during any block, other than the 1-hour period, that does not have solid waste continuously burning due to startup or shutdown or the unit being off line or the continuous emission monitoring being down (i.e., cylinder gas audit, etc.) for part of the block period. The exemption of data use under the Emission Guidelines (40 CFR 60.58b(a)(1)) may also create a partial block. Emission standards or permit limitations applicable to block periods are not applicable to the partial block periods. All partial block periods



**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

For each incinerator unit, carbon monoxide emissions shall not exceed 100 ppmvd corrected to 7% O<sub>2</sub> on a 4-hour block basis. Compliance is determined by CEMS.

For CEMS block averages greater than 1-hour (such as 4-hour and 24-hour blocks), 75% of the 1-hour averages must be valid in order to have a valid block average. Block averages with less than 75% of valid 1-hour averages would be partial blocks that would not be used for compliance but would be reported in the quarterly excess emissions report along with the date, time period, and reason.

A partial block period could result during any block, other than the 1-hour period, that does not have solid waste continuously burning due to startup or shutdown or the unit being off line or the continuous emission monitoring being down (i.e., cylinder gas audit, etc.) for part of the block period. The exemption of data use under the Emission Guidelines (40 CFR 60.58b(a)(1)) may also create a partial block. Emission standards or permit limitations applicable to block periods are not applicable to the partial block periods. All partial block periods and the reason for the partial block period must be reported in the quarterly excess emissions report.

Manufacturer Name/Model Number: Altech 9000

Parameter Monitored: CARBON MONOXIDE

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

Reference Test Method: 40 CFR 60 App B & F

Monitoring Frequency: CONTINUOUS

Averaging Method: 4 HOUR BLOCK AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2016.

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

**Condition 36: Compliance Certification**

**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



**Item 36.1:**

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 36.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 5 percent

Reference Test Method: EPA Ref. Method 22

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 1/30/2017.  
Subsequent reports are due every 6 calendar month(s).

**Condition 37: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 37.1:**

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: FABR1
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 37.2:**

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).

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 1/30/2017.

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

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

**Condition 38: Emission Point Definition By Emission Unit**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 38.1:**

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 39: Process Definition By Emission Unit**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 39.1:**

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

Emission Unit: U-UNITS

Process: CW1

Source Classification Code: 5-03-001-05

Process Description:

Unadulterated wood 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

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 39.2:**

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 39.3:**

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 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



**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 39.4:**

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 39.5:**

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

Emission Unit: U-UNITS  
Process: MW2 Source Classification Code: 5-01-001-02  
Process Description:

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

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 39.6:**

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 39.7:**

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.

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 39.8:**

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 39.9:**

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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 40: Compliance Certification
Effective between the dates of 07/13/2016 and 07/12/2021

Applicable Federal Requirement: 6 NYCRR 231-6.2

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

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

Item 40.2:

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:

Total rolling cumulative NOx emissions shall be calculated as follows:

n - 365
RCT (365NOx) = Daily SumNOx (sum of previous 365 days)
n - 1

where:

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

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



n - 365

Daily SumNO<sub>x</sub>= Sum of facility-wide daily NO<sub>x</sub> emissions in tons/year for the previous 365 days

n - 1

Tons/day NO<sub>x</sub> for each unit is determined using the following equation for calculating hourly NO<sub>x</sub> mass emission (NO<sub>x</sub> unit j) and summing over the number of hours the unit operated in a day ( midnight to midnight)

NO<sub>x</sub> unit j = (NO<sub>x</sub> ppmv@7% O<sub>2</sub> for hour i) x (1.194 x 10<sup>-7</sup> lb NO<sub>x</sub>/dscf) x ((20.9/(20.9-7)) x (9570 dscf/MMBtu) x ( H MMBtu/K lbs steam) x ( S K lbs steam/hr for hour i) x (ton/2000 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: Altech 9000

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 1/30/2017.

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

**Condition 41: Compliance Certification**

**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:6 NYCRR 231-6.2**

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



**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 8/30/2016.

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

**Condition 42: Compliance Certification**

**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:6 NYCRR 231-11.2**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

**Item 42.2:**

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 CO,SO<sub>2</sub>,VOC,PM<sub>2.5</sub>,PM<sub>10</sub>,Pb,F,H<sub>2</sub>SO<sub>4</sub>,MWC organics(as total dioxins/furans),MWC metals (as PM), MWC acid gases (SO<sub>2</sub> and HCl), and green house gases (CO<sub>2</sub>,CH<sub>4</sub>,N<sub>2</sub>O) for a minimum of five years:

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



**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727

DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 43: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fine particulate matter (PM2.5) 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.

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 1/30/2017.

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

**Condition 44: Compliance Certification**

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



Effective between the dates of 07/13/2016 and 07/12/2021

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 1/30/2017.

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

**Condition 45: Compliance Certification**

Effective between the dates of 07/13/2016 and 07/12/2021

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

Cb

**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:**



**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 1/30/2017.

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

**Condition 46: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

**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 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.



**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727

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 1/30/2017.

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

**Condition 47: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Cb**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

**Condition 48: Compliance Certification**  
**Effective between the dates of 07/13/2016 and 07/12/2021**



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

**Cb**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

CAS No: 007647-01-0      HYDROGEN CHLORIDE

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

**Condition 49: Compliance Certification**

**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Cb**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: U-UNITS

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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 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 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 50: Compliance Certification
Effective between the dates of 07/13/2016 and 07/12/2021

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

Cb

Item 50.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include U-UNITS/MW1 (00001, FABRI), U-UNITS/MW1 (00001, INCIN), U-UNITS/MW1 (00001, SPRAY), U-UNITS/MW2 (00002, FABR2), and U-UNITS (00002).



New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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 51.2:**

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.



New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727

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 1/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 07/13/2016 and 07/12/2021

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

Item 52.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include MW1, MW2, and MW3 processes with various emission points and sources like FABRI, INCIN, SPRAY, FABR2, INCI2, SPRA2, FABR3, INCI3, and SPRA3.

Item 52.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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

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

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

Parameter Monitored: TEMPERATURE ABOVE CONTROL DEVICE TEMPERATURE

Upper Permit Limit: 17 degrees Centigrade (or Celsius)

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

**Condition 53: Operating Manual**

**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 53.1:**

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

Process: MW1

Emission

Source: INCIN

**Item 53.2:**

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;



**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



(2) A description of basic combustion theory applicable to a municipal waste combustor;

(3) Procedures for receiving, handling, and feeding municipal solid waste;

(4) Municipal waste combustor unit startup, shutdown, and malfunction procedures;

(5) Procedures for maintaining proper combustion air supply levels;

(6) Procedures for operating the municipal waste combustor unit within the standards

established under 40 CFR 60, Subpart Cb;

(7) Procedures for responding to periodic upset or off-specification conditions;

(8) Procedures for minimizing particulate matter carryover;

(9) Procedures for handling ash;

(10) Procedures for monitoring municipal waste combustor unit emissions; and

(11) Reporting and recording keeping procedures.

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

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

(2) Annually, following the initial training.

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

**Condition 54: Operator Training**

**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 54.1:**

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

Process: MW1

Emission

Source: INCIN

**Item 54.2:**

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,

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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

**Condition 55: Compliance Certification**

**Effective between the dates of 07/13/2016 and 07/12/2021**

**Applicable Federal Requirement:40CFR 60.35b, 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
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 55.2:**

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.

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



A provisionally certified operator who is newly promoted

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 56: Compliance and performance testing. Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 56.1:**

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

**Item 56.2:**

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 56.3:**

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



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

(3) During the period of the emergency the facility owner 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 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 or operator seeking to establish the occurrence of an emergency has the burden of proof.

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

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and



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 57: Contaminant List**

**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 57.1:**

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

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





**Condition 59: Compliance Demonstration**  
Effective between the dates of 07/13/2016 and 07/12/2021

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

**Item 59.1:**

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 59.2:**

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





New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727

accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively. This condition also satisfies the mercury limits of 40 CFR 60.33b(a)(3).

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 1/30/2017.
Subsequent reports are due every 12 calendar month(s).

Condition 60: Compliance Demonstration
Effective between the dates of 07/13/2016 and 07/12/2021

Applicable State Requirement:6 NYCRR 219-7.2

Item 60.1:

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

Table with 2 columns: Emission Unit/Process and Emission Point/Source. Rows include MW1, MW2, and MW3 processes with various emission points and sources like FABRI, INCIN, SPRAY, FABR2, INCI2, SPRA2, FABR3, and INCI3.

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



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

**Item 60.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Mercury emission limit. The Permittee shall meet the less stringent of this limit (percent reduction), or the concentration Mercury emission limit cited in this permit under 6 NYCRR 219-7.2. Annual stack testing for Mercury shall follow the procedures contained in 40 CFR 60.58b(d)(2). Emission control devices must be kept in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such devices effectively. This condition also satisfies the mercury limits of 40 CFR 60.33b(a)(3).

Parameter Monitored: MERCURY

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

Reference Test Method: EPA Ref. Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2017.

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

**Condition 61:      Compliance Demonstration**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 61.1:**

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	Emission Point: 00002

New York State Department of Environmental Conservation

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



Process: MW2	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 61.2:**

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

**New York State Department of Environmental Conservation**

Permit ID: 1-2820-01727/00028

Facility DEC ID: 1282001727



with 40CFR60, Subpart Cb requirements.

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

Reference Test Method: Based on Approved Protocol

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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

**Condition 62: Compliance Demonstration**  
**Effective between the dates of 07/13/2016 and 07/12/2021**

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

**Item 62.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: U-UNITS

**Item 62.2:**

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:

(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 1/30/2017.

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

