

Facility DEC ID: 3334200105

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Solid Waste Management

Permit ID: 3-3342-00105/00009

Effective Date:

Expiration Date:

Permit Type: Air Title V Facility

Permit ID: 3-3342-00105/00014

Effective Date:

Expiration Date:

Permit Issued To: TAYLOR HOLDINGS GROUP LTD
350 NEELYTOWN RD
MONTGOMERY, NY 12549

Taylor-Montgomery LLC
350 Neelytown Rd
Montgomery, NY 12549

Contact: JAMES W TAYLOR
TAYLOR RECYCLING
350 NEELYTOWN RD
MONTGOMERY, NY 12549
(845) 457-4021

Facility: TAYLOR BIOMASS GASIFICATION FACILITY
350 NEELYTOWN RD
MONTGOMERY, NY 12549

Contact: JAMES W TAYLOR
TAYLOR RECYCLING
350 NEELYTOWN RD
MONTGOMERY, NY 12549
(845) 457-4021

Description:

This Air Title V (ATV) permit is for both the existing Montgomery Wallboard Processing Plant and the proposed Taylor Biomass Gasification Facility.

The wallboard processing plant processes gypsum board material that is extracted from construction and demolition (C&D) debris. The plant contains one emission unit (Emission Unit No. A00001) that consists of infeed, milling, conveyor sorting, outfeed conveyors, hammermill for crushing gypsum board, trommel screen and screw auger separation, and a baghouse dust collection system for air pollution control. The plant is authorized to accept a maximum of 400 tons per day of C&D debris, but at no time shall the plant accept more than 1,153 tons per week of C&D debris for a total of no more than 60,000 tons per year, and no more than 25,000 tons per year of gypsum wallboard received for recycling.

The baghouse controls particulate emissions from the process dust collection system and the conveyor system, which is enclosed and under negative pressure. The potential emissions are

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1.75 tons per year. The wallboard processing plant was previously permitted by the NYSDEC as an air state facility under DECID: 3-3342-00238.

The gasification facility is a proposed organic waste recovery and biomass gasification renewable facility that includes three emission units. Emission Unit No. 000001 will include the use of a gasification reactor, combustion reactor, a 10 MW combustion turbine generator (CTG) with associated heat recovery steam generator (HRSG), and a startup heater. The processed biomass fuel delivered from a fuel feed system will be metered into the gasification reactor where it will be in direct contact with hot fluidized heat transfer media. The biomass will then be rapidly converted in the presence of steam into medium calorific value gas (Syngas) comprised mostly of hydrogen, carbon monoxide, and methane. The dry, clean product gas will be routed to the gas compressors for supplying the CTG. The exhaust gas from the HRSG will combine with the flue gas from the combustion reactor and heat recovery boiler and exist the single exhaust stack. The CTG emissions will be controlled with an Selective Catalytic Reduction (SCR) utilizing ammonia injection and an oxidation catalyst.

The product gas/syngas will be routed to an enclosed flare (Emission Unit No. 000002) during brief and infrequent periods of startup or malfunction of the Power Generation Pad. The flare will be operated at all times when syngas is vented to it. The syngas will pass through primary and secondary high efficiency cyclones for particulate removal prior to the flare.

Auxiliary steam will be provided by a natural gas-fired startup boiler (Emission Unit No. 000003). Emissions from the start up boiler will be vented through an independent stack that will be 45 feet above grade.

For the proposed gasification facility, the municipal waste combustor unit is subject to 40 CFR 60 Subpart Eb and 40 CFR 60 Subpart KKKK requirements.

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: TRACEY L O'MALLEY
NYSDEC - REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561

Authorized Signature: _____ Date: ___ / ___ / ____

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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.

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DEC GENERAL CONDITIONS

**** General Provisions ****

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department**Applicable State Requirement: ECL 19-0305****Item 1.1:**

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

Item 1.2:

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

Item 1.3:

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

Condition 2: Relationship of this Permit to Other Department Orders and Determinations**Applicable State Requirement: ECL 3-0301 (2) (m)****Item 2.1:**

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

Condition 3: Applications for permit renewals, modifications and transfers**Applicable State Requirement: 6 NYCRR 621.11****Item 3.1:**

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

Item 3.2:

The permittee must submit a renewal application at least 180 days before the expiration of permits for 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

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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.

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Condition 5: Submission of application for permit modification or renewal -REGION 3

HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

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350 NEELYTOWN RD
MONTGOMERY, NY 12549

Taylor-Montgomery LLC
350 Neelytown Rd
Montgomery, NY 12549

Facility: TAYLOR BIOMASS GASIFICATION FACILITY
350 NEELYTOWN RD
MONTGOMERY, NY 12549

Authorized Activity By Standard Industrial Classification Code:
3275 - GYPSUM PRODUCTS
4911 - ELECTRIC SERVICES
4953 - REFUSE SYSTEMS

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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

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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

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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. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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

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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 for entire length of Permit****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

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contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective for entire length of Permit

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 for entire length of Permit

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: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-6.4 (c) (2)

Item 4.1:

The Compliance Certification activity will be performed for the Facility.

Item 4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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The owner or operator of a Title V facility must keep all records used to determine compliance with any applicable limit(s) and/or monitoring requirement(s) at the facility (or other Department approved location) for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

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.

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(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

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

Condition 6: Compliance Certification
Effective for entire length of Permit

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;

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- 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 record keeping 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 – Air Compliance Branch
 USEPA Region 2 DECA/ACB
 290 Broadway, 21st Floor
 New York, NY 10007

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
 NYSDEC

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21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2025.
Subsequent reports are due on the same day each year

Condition 7: Recordkeeping requirements
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

(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 8: Open Fires - Prohibitions
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:

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 8.2

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.

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- (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 9: Maintenance of Equipment
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 200.7

Item 9.1:

Any person who owns or operates an air contamination source which is equipped with an

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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 10: Recycling and Salvage
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 10.1:

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 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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 12: Exempt Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 12.1:

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 13: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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

Item 13.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section 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 required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 14: Requirement to Provide Information
Effective for entire length of Permit

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

Item 14.1:

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

**Condition 15: Right to Inspect
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)

Item 15.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 16: Required Emissions Tests
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 16.1:

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 17: Accidental release provisions.
Effective for entire length of Permit**

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Applicable Federal Requirement:40 CFR Part 68

Item 17.1:

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 in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 18: Recycling and Emissions Reduction
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 18.1:

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

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

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

Applicable Federal Requirement:6 NYCRR 200.7

Item 19.1:

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

Emission Unit: 0-00002
Process: FLA

Emission Point: 00002
Emission Source: 000FL

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Item 19.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility shall monitor the flare to ensure that it is operated and maintained in conformance with its design.

Flare shall be operated at all times when Syngas may be vented to it.

The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.

The syngas will pass through primary and secondary high efficiency cyclones for particulate removal prior to the flare.

The flare will be operated at a temperature high enough to adequately destroy all high molecular weight hydrocarbon compounds (tars). Upon selection of a flare, the facility is required to provide the Department with the manufacturer's specifications within 90 days of commencing operation and a minimum operating temperature condition requirement will be added into the permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

Applicable Federal Requirement: 6 NYCRR 200.7

Item 20.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007664-41-7 AMMONIA

Item 20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

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Facility DEC ID: 3334200105

Monitoring Description:

Emissions shall be controlled by efficient use of Selective Catalytic Reduction (SCR) and are limited to 10 ppmvd corrected to 15% Oxygen (based on a 1-hour average). The facility shall install, calibrate, maintain, and operate a continuous emissions monitor (CEM) for ammonia slip in accordance with the manufacturer's specifications. The limit requirements have been determined from the manufacturer's specifications, control device guarantees, and fuel characteristics. The facility must submit a compliance test using USEPA condition test method 27, for Department approval. Within 180 days of the initial operation of the SCR, the facility must perform a compliance test and submit the results for Department approval. The permittee shall maintain records of ammonia measurements, as the facility, for a period of no less than five years. Ammonia emissions are reported as 10 ppmvd, this correlates to 8.02 lb/hr and 0.014 lb/MMBtu.

Manufacturer Name/Model Number: CEM

Parameter Monitored: AMMONIA

Upper Permit Limit: 10 parts per million by volume (dry,
corrected to 15% O₂)

Reference Test Method: CTM-027

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 21: Emission Unit Definition
Effective for entire length of Permit****Applicable Federal Requirement:6 NYCRR Subpart 201-6****Item 21.1:**

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

Emission Unit: 0-00001

Emission Unit Description:

The Emission Unit consists of a Siemen's 10 MW Combustion Turbine Generator (CTG) with associated heat recovery steam generator (HRSG), a gasification reactor, a process combustor, and a startup heater for the biogas gasification facility. The exhaust from the CTG will be controlled by Selective Catalytic Reduction (SCR) and an Oxidation Catalyst (OC). The process combustor flue gas emissions will be controlled by a separate SCR/OC control system. Emissions from all three sources exhaust through Emission Point EP00001.

Building(s): CTB

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Item 21.2:

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

Emission Unit: 0-00002

Emission Unit Description:

Operation of a flare associated with the biogas gasification facility. Emissions exhaust through Emission Point EP00002.

Building(s): CTB

Item 21.3:

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

Emission Unit: 0-00003

Emission Unit Description:

Operation of a startup boiler associated with the biogas gasification facility. The heat input rating of the boiler is 20 MMBtu/hr. Emissions exhaust through Emission Point EP00003.

Building(s): CTB

Item 21.4:

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

Emission Unit: 0-00004

Emission Unit Description:

One 800 horsepower Diamond-Zee Model 1463 tub grinder used for the unadulterated waste wood (UWW) & landscape decorative mulch operations. This equipment fires diesel.

Item 21.5:

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

Emission Unit: A-00001

Emission Unit Description:

Waste gypsum board recycling operation consisting of infeed, sorting, outfeed conveyors, hammermill for crushing gypsum board, trommel screen and screw auger separation, and a baghouse dust collection system.

Building(s): MAIN

Condition 22: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 22.1:

The Compliance Certification activity will be performed for the Facility.

Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Monitoring Description:

The facility owner and/or operator is required to must conduct an initial performance test for Cadmium emissions before within 180 days of the commencement of operation of the combustion turbine. Testing shall be conducted in accordance with the applicable procedures specified in 40 CFR 60.58b and a Department approved testing protocol. The facility owner or operator shall submit a testing protocol to the Department for approval at least 30 days prior to conducting compliance testing. The facility owner or operator shall submit the results to the Department for approval within 60 days of the conclusion of compliance testing. If there are Cadmium emissions detected, the facility needs to owner or operator must immediately comply with the 40 CFR 60 Subpart Eb emission limit of 10 micrograms per dry standard cubic meter (corrected to 7% oxygen) and all other applicable requirements. Subsequent performance testing will be required once every five years following initial testing. The Department has the right to required additional testing if deemed necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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

Emission Unit: 0-00001

Process: 002

Emission Source: 000PC

Item 23.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator shall achieve a combustion index of 99.9 percent in the process combustor based on an 8-hour average of readings and 99.95 percent based on a 7-day average of readings. The combustion index is determined by:

$$CI = (CO_2 \times 100) / (CO_2 + CO)$$

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where:

CI = combustion index

CO = carbon monoxide in the exhaust gas, parts per million by volume (dry)

CO₂ = carbon dioxide in the exhaust gas, parts per million by volume (dry)

The facility owner or operator shall maintain all records used to determine the combustion index as required by this condition on site for a period of at least five years from the date of the record. Records must be made available to the Department upon request.

Parameter Monitored: COMBUSTION INDEX
 Upper Permit Limit: 99.9 percent
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 8-HOUR BLOCK - ARITHMETIC MEAN
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility shall not accept more than 25,000 tons per year of gypsum wallboard received for recycling. The Solid Waste Permit (DECID# 3-3342-00105-00009) contains the tracking and monitoring conditions on the amount of materials that the facility can accept. The facility must follow the Solid Waste Permit requirements at all times.

Parameter Monitored: MATERIAL
 Upper Permit Limit: 25000 tons per year
 Monitoring Frequency: CONTINUOUS
 Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
 SEE MONITORING DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

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Condition 25: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 25.1:

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

Emission Unit: A-00001

Emission Point: 000A1

Item 25.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner and/or operator is authorized to accept a maximum of 400 tons per day of Construction and Demolition (C&D) debris, but at no time shall the facility accept more than 1,153 tons per week of C&D debris for a total of no more than 60,000 tons per year. The Solid Waste Permit (DECID# 3-3342-00105-00009) contains the tracking and monitoring conditions on the amount of materials that the facility can accept. The facility must follow the Solid Waste Permit requirements at all times.

Parameter Monitored: MATERIAL

Upper Permit Limit: 400 tons per day

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 26: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 26.1:

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

Emission Unit: 0-00001

Emission Point: 00001

Item 26.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner and/or operator is required to conduct an initial performance test for Mercury emissions before within 180 days of the commencement of operation of the combustion turbine. Testing shall be conducted in accordance with the applicable procedures specified in 40 CFR 60.58b and a Department approved testing protocol. The facility owner or operator shall submit a testing protocol to the Department for approval at least 30 days prior to conducting compliance testing. The facility owner or operator shall submit the results to the Department for approval within 60 days of the conclusion of compliance testing. If there are Mercury emissions detected, the facility needs to owner or operator must immediately comply with the 40 CFR 60 Subpart Eb emission limit of 28 micrograms per dry standard cubic meter (corrected to 7% oxygen) and all other applicable requirements. Subsequent performance testing will be required once every five years following initial testing. The Department has the right to required additional testing if deemed necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 27.1:

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

Emission Unit: 0-00001

Emission Point: 00001

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner and/or operator is required to must conduct an initial performance test for dioxin and furan emissions before within 180 days of the commencement of operation of the combustion turbine. Testing shall be conducted in accordance with the applicable procedures specified in 40 CFR 60.58b and a Department approved testing protocol. The facility owner or operator shall submit a testing protocol to the Department for approval

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at least 30 days prior to conducting compliance testing. The facility owner or operator shall submit the results to the Department for approval within 60 days of the conclusion of compliance testing. If there are dioxin and furan emissions detected, the facility needs to owner or operator must immediately comply with the 40 CFR 60 Subpart Eb emission limit of 0.2 nanograms per dry standard cubic meter (corrected to 7 percent oxygen) and all other applicable requirements. Subsequent performance testing will be required once every five years following initial testing. The Department has the right to required additional testing if deemed necessary.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 28.1:

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

Emission Unit: 0-00001 Emission Point: 00001

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

Item 28.2:

Compliance Certification shall include the following monitoring:

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

The facility owner and/or operator shall not emit gases that contain Oxides of Nitrogen in excess of 25 parts per million by volume, corrected to 15% Oxygen (dry basis).

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The facility owner and/or operator shall install, calibrate, maintain, and operate a continuous emission monitoring system for measuring oxides of nitrogen at the combustor outlet and record the output of the system and shall follow the procedures and methods specified below.

The continuous emission monitoring system shall be operated according to 40 CFR 60 Appendix B Performance Specification 2.

Manufacturer Name/Model Number: CEM
Upper Permit Limit: 25 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: Specification 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 29.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-00001
Process: 002 Emission Source: 000PC

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

Item 29.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

- For the fabric filters, the facility owner and/or operator will monitor the following:
- (i) Hourly average pressure drop across each module and also across the inlet and outlet of the entire device in inches of water;
 - (ii) Number of compartments in use, hourly;
 - (iii) Hourly average temperature at both inlet and outlet of the device in degrees F; and
 - (iv) Frequency and duration of maintenance or cleaning

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periods when the fabric filter is not fully operational.

Upon selection of a baghouse, the facility is required to provide the Department with the manufacturer's specifications within 60 days of commencing operation and specific limits will be added into the permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00001

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The processed fuel will consist of the organic component on incoming materials plus selected plastics. The following are acceptable fuel components:

- 1) Unadulterated wood: unpainted dimensional and engineering wood materials
- 2) Raw wood materials including tree stumps, tree parts, brush, grass clippings, etc.
- 3) Unpainted pallets and crating materials
- 4) Non-recyclable cardboard, paper, and cellulose material
- 5) Non-recyclable plastics
- 6) Textiles
- 7) Food materials
- 8) Other miscellaneous biomass materials

The facility shall not gasify:

- a. Those materials that are prohibited by state or federal law
- b. Those materials that are prohibited by this permit and Part 360 permit

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- c. Lead acid batteries
- d. Beryllium containing waste, as defined in 40 CFR 61, Subpart C
- e. Nickel-cadmium batteries
- f. Mercury containing devices and lamps
- g. Treated or painted wood, pallets, and crafted materials

- h. PVC plastics
- i. Polyethylene or polyurethane floor coverings
- j. Tires

The facility shall conduct biomass feedstock sampling according to this approved plan. Sampling will occur just prior to the gasification tower at the exit of the storage silos.

Frequency will be once per shift for:

- Analytical parameters
- loose density
- non-biomass content for quality control
- moisture content

Frequency will be once per week for above items plus:

- Analytical parameters
- Proximate analysis
- Ultimate analysis
- Ash elemental analysis

Frequency will be once per month for above items plus:

- Analytical parameters
- Trace Metals Analysis

Records for all parameters evaluated shall be maintained by the facility and reported to the Department monthly. The facility shall identify any non-biomass content found, evaluate possible causes and document any corrective measures taken. Sampling plan to be followed from first time MSW is included in feedstock and will cease two calendar months after the date of the initial performance test is performed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 31.1:

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007664-41-7 AMMONIA

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner and/or operator will maintain records to verify the concentration of ammonia stored onsite is equal to or less than 19% concentration. Vendor certification or analyses must be provided per delivery to verify concentration.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 19 percent

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 32: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00001
Process: 002 Emission Source: 000PC

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner and/or operator shall not discharge into the atmosphere any gases that contain carbon monoxide in excess of 25 ppm by volume corrected to 7% oxygen (dry basis) from the process combustor. The concentration will be measured after the catalyst but prior to confluence of the exhaust streams in the common stack.

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

The facility owner and/or operator shall install, calibrate, maintain, and operate a continuous emission monitoring system for measuring carbon monoxide at the combustor outlet and record the output of the system and shall follow the procedures and methods specified below.

The continuous emission monitoring system shall be operated according to 40 CFR 60 Appendix B Performance Specification 4A.

During each relative accuracy test run of the continuous emission monitoring system required by Performance Specification 4A, carbon monoxide and oxygen (or carbon dioxide) data shall be collected concurrently (or within a 30- to 60- minute period) by both the continuous emission monitors and the test methods as specified.

For carbon monoxide, EPA Reference Method 10, 10A, or 10B shall be used.

For oxygen (or carbon dioxide), EPA Reference Method 3, 3A, or 3B, or ASME PTC-19-10-1981--part10 (incorporated by reference, see §60.17), as applicable, shall be used.

The span value of the continuous emission monitoring system shall be 125 percent of the maximum estimated hourly potential carbon monoxide emissions of the municipal waste combustor unit.

The 4-hour block shall be calculated from 1-hour arithmetic averages expressed in parts per million by volume corrected to 7 percent oxygen (dry basis). The 1-hour arithmetic averages shall be calculated using the data points generated by the continuous emission monitoring system. At least two data points shall be used to calculate each 1-hour arithmetic average.

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 25 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: Specification 4A

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 33: Compliance Certification

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00001

Process: 001

Emission Source: 000CT

Regulated Contaminant(s):

CAS No: 000630-08-0

CARBON MONOXIDE

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner and/or operator shall not discharge into the atmosphere any gases that contain monoxide in excess of 5 ppm by volume corrected to 7% oxygen (dry basis) from the combustion turbine. The concentration will be measured after the catalyst but prior to confluence of the exhaust streams in the common stack.

The facility owner and/or operator shall install, calibrate, maintain, and operate a continuous emission monitoring system for measuring carbon monoxide at the combustor outlet and record the output of the system and shall follow the procedures and methods specified below.

The continuous emission monitoring system shall be operated according to 40 CFR 60 Appendix B Performance Specification 4A.

During each relative accuracy test run of the continuous emission monitoring system required by Performance Specification 4A, carbon monoxide and oxygen (or carbon dioxide) data shall be collected concurrently (or within a 30- to 60-minute period) by both the continuous emissions monitors and the test methods as specified.

For carbon monoxide, EPA Reference Method 10, 10A, or 10B shall be used.

For oxygen (or carbon dioxide), EPA Reference Method 3, 3A, or 3B, or ASME PTC-19-10-1981-part10 (incorporated by reference, see §60.17), as applicable, shall be used.

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

The span value of the continuous emission monitoring system shall be 125 percent of the maximum estimated hourly potential carbon monoxide emissions of the municipal waste combustor unit.

The 4-hour block shall be calculated from 1-hour arithmetic expressed in parts per million by volume corrected to 7 percent oxygen (dry basis). The 1-hour arithmetic averages shall be calculated using the data point generated by the continuous emission monitoring system. At least two data points shall be used to calculate each 1-hour arithmetic average.

Manufacturer Name/Model Number: CEM
 Upper Permit Limit: 5 parts per million by volume (dry, corrected to 7% O₂)
 Reference Test Method: Specification 4A
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 1-HOUR AVERAGE
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

**Condition 34: Progress Reports Due Semiannually
 Effective for entire length of Permit**

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

Item 34.1:

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

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 35: Operational Flexibility
 Effective for entire length of Permit**

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

Item 35.1:

A permit modification is not required for changes that are provided for in the permit. Such changes include approved alternate operating scenarios and changes that have been submitted and approved pursuant to an established operational flexibility protocol and the requirements of this section. Each such change cannot be a modification under any provision of Title I of the

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Clean Air Act or exceed, or cause the facility to exceed, an emissions cap or limitation in the permit. The facility owner or operator must incorporate all changes into any compliance certifications, record keeping, and/or reporting required by the permit.

Condition 36: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Air emission tests are required for trace contaminants, including but not limited to heavy metals (arsenic, beryllium, cadmium, total chromium, hexavalent chromium, copper, lead, mercury, nickel, zinc), polychlorinated dibenzo-p-dioxins, polychlorinated dibenzo furans, total polycyclic aromatic hydrocarbons (PAH), formaldehyde, and polychlorinated biphenyls (PCB's).

Testing will be a single occurrence within 180 days of the introduction of MSW to the gasifier.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 37: Statement dates for emissions statements.
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-2.4 (a) (3)

Item 37.1:

This facility is required to submit an annual emission statement electronically and these emissions statements must be submitted to the department as per the following schedule:

- (i) March 15th of each year for facilities with three or fewer processes listed in their Title V permit:
- (ii) March 31st of each year for facilities with four to six processes listed in their Title V permit:
- (iii) April 15th of each year for facilities with 7 to 12 processes listed in their Title V permit:
- (iv) April 30th of each year for facilities with 13 or more processes listed in their Title V permit.

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Condition 38: Visible Emissions Limited
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 211.2

Item 38.1:

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

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 212-1.6 (a)

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No facility owner or operator shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA RM 9

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 40: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 212-2.4 (b)

Item 40.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Emission Unit: A-00001

Emission Point: 000A1

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from any process emission source for which an application was received by the department after July 1, 1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except in instances where determination of permissible emission rate using process weight for a specific source category emitting solid particulate is based upon Table 5 and Table 6 of 6 NYCRR 212-2.5 (a) and (b).

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: Once every five years

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 41: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 227-1.4 (a)

Item 41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00003

Emission Point: 00003

Item 41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a stationary combustion installation subject to this Subpart shall operate an emission source which exhibits greater than 20 percent opacity (based on a six minute average), except for one 6

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minute period per hour of not more than 27 percent opacity. The owner or operator will conduct a Method 9 test annually. A report of the results of the test will be submitted to the Department within 30 days of the completion of the Method 9 test. All records generated by the permittee must be maintained at the facility or at an alternative location approved by the Department for a minimum of five years.

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: 40 CFR 60, Appendix A, Method 9
 Monitoring Frequency: ANNUALLY
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 42: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.48c(g), NSPS Subpart Dc

Item 42.1:

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

Emission Unit: 0-00003
 Process: 003

Emission Source: 000SB

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
 Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

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

Condition 43: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.52b(a)(1)(ii), NSPS Subpart Eb

Item 43.1:

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

Emission Unit: 0-00001

Emission Point: 00001

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

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

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On or after the the date on which the initial performance test is completed or is required to be completed, the facility shall not discharge into the atmosphere any gases that contain particulate matter in excess of 20 milligrams per dry standard cubic meter, corrected to 7 percent oxygen.

Subsequent performance testing is required on an annual basis no less than 9 calendar months and no more than than 15 calendar months following previous testing. Five performance tests are required for each five year calendar period.

Upper Permit Limit: 20 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Method 5

Monitoring Frequency: ANNUALLY

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 44: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.52b(a)(4)(ii), NSPS Subpart Eb

Item 44.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00001 Emission Point: 00001

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

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On or after the date on which the initial performance test is completed or is required to be completed, the facility owner and/or operator shall not discharge into the atmosphere any gases that contain lead in excess of

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140 micrograms per dry standard cubic meter, corrected to 7 percent oxygen.

Subsequent performance testing is required on an annual basis no less than 9 calendar months and no more than 15 calendar months following previous testing. Five performance tests are required for each five year calendar period.

Parameter Monitored: LEAD

Upper Permit Limit: 140 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Reference Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 45: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.52b(b)(1), NSPS Subpart Eb

Item 45.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Following the date that the initial performance test is complete or required to be completed, compliance with the emission limit for sulfur dioxide shall be determined based on the 24-hour daily geometric average of the hourly emission concentration using continuous emission monitoring system outlet data.

The facility shall install, calibrate, maintain, and operate a continuous emissions monitoring system for measuring sulfur dioxide emissions and shall follow the methods and procedures specified below.

At a minimum, valid continuous monitoring system hourly averages shall be obtained for 90 percent of the operating hours per calendar quarter and 95 percent of the operating days per calendar year that the affected facility is

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combusting municipal solid waste.

At least two data points per hour shall be used to calculate each 1-hour arithmetic average.

Each sulfur dioxide 1-hour arithmetic average shall be corrected to 7 percent oxygen on an hourly basis using the 1-hour arithmetic average of the oxygen (or carbon dioxide) continuous emission monitoring system data.

The 1-hour arithmetic averages shall be expressed in parts per million corrected to 7 percent oxygen (dry basis) and used to calculate the 24-hour daily geometric average emission concentrations. The 1-hour arithmetic averages shall be calculated using the data points required under §60.13(e)(2).

All valid continuous emission monitoring system data shall be used in calculating average emission concentrations even if the minimum continuous emission monitoring system data requirements are not met. The procedures under §60.13 shall be followed for installation, evaluation, and operation of the continuous emission monitoring system.

The continuous emission monitoring system shall be operated according to Performance Specification 2 in appendix B of this part. For sources that have actual inlet emissions less than 100 parts per million dry volume, the relative accuracy criterion for inlet sulfur dioxide continuous emission monitoring systems should be no greater than 20 percent of the mean value of the reference method test data in terms of the units of the emission standard, or 5 parts per million dry volume absolute value of the mean difference between the reference method and the continuous emission monitoring systems, whichever is greater.

During each relative accuracy test run of the continuous emission monitoring system required by Performance Specification 2 in appendix B of this part, sulfur dioxide and oxygen (or carbon dioxide) data shall be collected concurrently (or within a 30- to 60-minute period) by both the continuous emission monitors and the test methods specified below.

For sulfur dioxide, EPA Reference Method 6, 6A, or 6C, or as an alternative ASME PTC-19-10-1981—part10, shall be used.

For oxygen (or carbon dioxide), EPA Reference Method 3,

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3A, or 3B, or as an alternative ASME PTC–19–10 1981—part10, as applicable, shall be used.

Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with 40 CFR 60 Appendix F Procedure 1 in appendix F.

When sulfur dioxide emissions data are not obtained because of continuous emission monitoring system breakdowns, repairs, calibration checks, and/or zero and span adjustments, emissions data shall be obtained by using other monitoring systems as approved by EPA or EPA Reference Method 19 to provide, as necessary, valid emissions data for a minimum of 90 percent of the hours per calendar quarter and 95 percent of the hours per calendar year that the affected facility is operated and combusting municipal solid waste.

Manufacturer Name/Model Number: CEM

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 30 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: Specification 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY BLOCK (GEOMETRIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 46: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.53b(c), NSPS Subpart Eb

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-00001

Process: 002

Emission Source: 000PC

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner and/or operator shall not operate at a temperature, measured at the particulate matter control device inlet, exceeding 17°C above the maximum demonstrated particulate matter control device

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

temperature.

Maximum demonstrated particulate matter control device temperature means the highest 4-hour arithmetic average flue gas temperature measured at the particulate matter control device inlet during four consecutive hours during the most recent dioxin/furan performance test demonstrating compliance with the applicable limit.

To determine compliance with the maximum particulate matter control device temperature requirement, the facility shall install, calibrate, maintain, and operate a device for measuring on a continuous basis the temperature of the flue gas stream at the inlet to each particulate matter control device utilized by the affected facility. Temperature shall be calculated in 4-hour block arithmetic averages.

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

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

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 17 Deg C above demonstrated
temperature of PM Control Device

Reference Test Method: EPA Approved

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 47: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.54b(e), NSPS Subpart Eb

Item 47.1:

The Compliance Certification activity will be performed for the Facility.

Item 47.2:

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a large municipal waste combustor shall develop and update on a yearly basis a site-specific operating manual that shall, at a minimum, address the elements of municipal waste combustor unit operation specified below:

(1) A summary of the applicable standards under 40 CFR 60 Subpart Eb;

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

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

(4) Municipal waste combustor unit start-up, shut down, 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 Eb;

(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 emissions; and

(11) Reporting and record keeping procedures.

A copy of the manual shall be kept on site in an easily accessible location and made available to Department personnel upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 48: Compliance Certification
Effective for entire length of Permit**

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Applicable Federal Requirement:40CFR 60.54b(f), NSPS Subpart Eb

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a large municipal waste combustor shall establish a training program to review the contents of the facility's operating manual with each person who has responsibilities affecting the operation of the facility, including, but not limited to, chief facility operators, shift supervisors, control room operators, ash handlers, maintenance personnel, and crane load handlers according to the following schedule:

(1) Each person specified above shall undergo initial training no later than the date 6 months after the date of start-up of the large municipal waste combustor, or the date prior to the day the person assumes responsibilities affecting municipal waste combustor unit operation; and

(2) Annually, following the initial review described above.

A record of this training shall be kept on site and made available to Department personnel upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 49: Siting requirements.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.57b, NSPS Subpart Eb

Item 49.1:

The owner/operator shall comply with the requirements of Section 60.57b of 40 CFR 60 Subpart Eb before the municipal waste combustor unit begins operation.

**** Emission Unit Level ****

Condition 50: Emission Point Definition By Emission Unit

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 50.1:

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

Emission Unit: 0-00001

Emission Point: 00001

Height (ft.): 90 Diameter (in.): 84
 NYTMN (km.): 4593.93 NYTME (km.): 563.49 Building: CTB

Item 50.2:

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

Emission Unit: 0-00002

Emission Point: 00002

Height (ft.): 90 Diameter (in.): 18
 NYTMN (km.): 4593.572 NYTME (km.): 564.643 Building: CTB

Item 50.3:

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

Emission Unit: 0-00003

Emission Point: 00003

Height (ft.): 45 Diameter (in.): 24
 NYTMN (km.): 4593.93 NYTME (km.): 563.49 Building: CTB

Item 50.4:

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

Emission Unit: A-00001

Emission Point: 000A1

Height (ft.): 16 Diameter (in.): 30
 NYTMN (km.): 4593.572 NYTME (km.): 564.643 Building: MAIN

**Condition 51: Process Definition By Emission Unit
 Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 51.1:

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

Emission Unit: 0-00001

Process: 001 Source Classification Code: 2-02-007-01

Process Description:

Combustion Turbine firing medium calorific value gas

Permit ID: 3-3342-00105/00014

Facility DEC ID: 3334200105

(SYNGAS).

Emission Source/Control: 000CT - Combustion
Design Capacity: 154 million Btu per hour

Emission Source/Control: CTCAT - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: CTSCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 51.2:

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

Emission Unit: 0-00001
Process: 002 Source Classification Code: 3-01-023-30
Process Description: Process Combustor combusting solid residue (char).

Emission Source/Control: 000PC - Combustion
Design Capacity: 80 million Btu per hour

Emission Source/Control: PCCAT - Control
Control Type: CATALYTIC OXIDATION

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

Emission Source/Control: PCSCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 51.3:

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

Emission Unit: 0-00001
Process: 004 Source Classification Code: 3-13-900-03
Process Description: Startup Heater firing natural gas.

Emission Source/Control: 000SH - Combustion
Design Capacity: 37 million Btu per hour

Item 51.4:

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

Emission Unit: 0-00001
Process: CLW Source Classification Code: 2-04-003-99
Process Description:

Combustion turbine and process combustor operating on clean wood only. Clean wood means untreated wood or untreated wood products including clean untreated lumber, tree stumps (whole or chipped), and tree limbs (whole or chipped). Clean wood does not include yard waste or construction, renovation, and demolition wastes.

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Emission Source/Control: 000CT - Combustion
Design Capacity: 154 million Btu per hour

Emission Source/Control: 000PC - Combustion
Design Capacity: 80 million Btu per hour

Emission Source/Control: CTCAT - Control
Control Type: CATALYTIC OXIDATION

Emission Source/Control: CTSCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: PCCAT - Control
Control Type: CATALYTIC OXIDATION

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

Emission Source/Control: PCSCR - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Item 51.5:

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

Emission Unit: 0-00002
Process: FLA Source Classification Code: 5-03-007-89
Process Description: Flare combusting SYNGAS.

Emission Source/Control: 000FL - Combustion

Item 51.6:

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

Emission Unit: 0-00003
Process: 003 Source Classification Code: 1-01-006-02
Process Description: Startup boiler firing natural gas.

Emission Source/Control: 000SB - Combustion
Design Capacity: 20 million Btu per hour

Item 51.7:

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

Emission Unit: 0-00004
Process: TG1 Source Classification Code: 3-05-015-02
Process Description:
Tub Grinder Engine for wood waste firing diesel fuel.

Emission Source/Control: TG001 - Combustion
Design Capacity: 800 horsepower (mechanical)

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Item 51.8:

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

Emission Unit: A-00001
 Process: A01 Source Classification Code: 3-05-015-04
 Process Description:
 Loading zone for moving precrushed gypsum board material onto process conveyor.

Emission Source/Control: 0LDZ1 - Process

Item 51.9:

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

Emission Unit: A-00001
 Process: A02 Source Classification Code: 3-05-015-04
 Process Description:
 Waste gypsum board recycling process consisting of moving gypsum board material through a hammermill, a series of sorting conveyors, a two stage trommel screen, magnetic ferrous material separators, and screw augers for loading of finished product into hoppers and transport vehicles. A baghouse will control emissions from the process dust collection system, entire enclosed conveyor.

Emission Source/Control: 0BGH4 - Control
 Control Type: FABRIC FILTER

Emission Source/Control: 0HMM2 - Process

Emission Source/Control: 0TRM3 - Process

**Condition 52: Compliance Certification
 Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.53b(b), NSPS Subpart Eb

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No owner or operator of a large municipal waste combustor shall cause or allow that facility to operate at a load level greater than 110% of the maximum demonstrated municipal waste combustor unit load as defined in Section

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60.51b, except as specified in paragraphs (b)(1) and (b)(2) of Section 60.53b.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: MUNICIPAL SOLID WASTE
Upper Permit Limit: 110 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.58b(c)(8), NSPS Subpart Eb

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

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

Item 53.2:

Compliance Certification shall include the following monitoring:

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

The owner or operator of a large municipal waste combustor shall install, calibrate, maintain, and operate a continuous opacity monitoring system for measuring opacity and shall follow the methods and procedures specified in §60.58b(c)(8)(i) through (c)(8)(iv).

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

Condition 54: Compliance Certification
Effective for entire length of Permit

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

Item 54.1:

The Compliance Certification activity will be performed for:

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Emission Unit: 0-00001

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a large municipal waste combustor shall conduct a performance test for emissions of fugitive ash on an annual basis in accordance with the procedures described in Section 60.58b(k). Performance test reports shall be submitted to the Department no later than 30 days after the completion of the test.

Parameter Monitored: VISIBLE EMISSIONS

Upper Permit Limit: 5 percent

Reference Test Method: EPA Reference Method 22

Monitoring Frequency: ANNUALLY

Averaging Method: 9 MINUTES PER 3-HOUR PERIOD

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 55: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.52b(b)(1), NSPS Subpart Eb

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The emission limit for sulfur dioxide from a large municipal waste combustor is 30 parts per million by volume. Compliance shall be determined using a continuous emissions monitor (CEM). CEM data shall be averaged as described in Section 60.58b(e).

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 30 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: EPA Reference Method 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (GEOMETRIC MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
 Subsequent reports are due every 6 calendar month(s).

Condition 56: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.52b(b)(2), NSPS Subpart Eb

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001 Emission Point: 00001

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

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The emission limit for hydrogen chloride from a large municipal waste combustor is 25 parts per million by volume. Compliance shall be determined by annual performance testing unless directed otherwise by the Department. Performance test reports shall be submitted to the Department no later than 30 days after the completion of the test.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 25 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: EPA Reference Method 26 or 26A

Monitoring Frequency: ANNUALLY

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.52b(d)(2), NSPS Subpart Eb

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00001 Emission Point: 00001

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

Item 57.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

After the first year of operation following the date on which the initial performance test is completed or is required to be completed, the facility shall not discharge into the atmosphere any gases that contain nitrogen oxides in excess of 150 parts per million by volume, corrected to 7 percent oxygen (dry basis). Emission limit shall be determined based on the 24-hour daily arithmetic average of the hourly emission concentrations using continuous emission monitoring system outlet data.

The facility shall install, calibrate, maintain, and operate a continuous emissions monitoring system for measuring oxides of nitrogen emissions and shall follow the methods and procedures specified below.

The oxides of nitrogen emission limit shall be determined based on the 24-hour daily arithmetic average of the hourly emission concentrations using continuous emission monitoring system outlet data.

At a minimum, valid continuous monitoring system hourly averages shall be obtained for 90 percent of the operating hours per calendar quarter and 95 percent of the operating days per calendar year that the affected facility is combusting municipal solid waste.

At least two data points per hour shall be used to calculate each 1-hour arithmetic average.

Each oxides of nitrogen 1-hour arithmetic average shall be corrected to 7 percent oxygen on an hourly basis using the 1-hour arithmetic average of the oxygen (or carbon dioxide) continuous emission monitoring system data.

The 1-hour arithmetic averages shall be expressed in parts per million corrected to 7 percent oxygen (dry basis) and used to calculate the 24-hour daily arithmetic average emission concentrations. The 1-hour arithmetic averages shall be calculated using the data points required under §60.13(e)(2).

All valid continuous emission monitoring system data shall be used in calculating average emission concentrations even if the minimum continuous emission monitoring system data requirements are not met.

The procedures under §60.13 shall be followed for

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installation, evaluation, and operation of the continuous emission monitoring system.

During each relative accuracy test run of the continuous emission monitoring system required by Performance Specification 2 in appendix B of this part, oxides of nitrogen and oxygen (or carbon dioxide) data shall be collected concurrently (or within a 30- to 60-minute period) by both the continuous emission monitors and the test methods specified below.

For oxides of nitrogen, EPA Reference Method 7, 7A, 7C, 7D or 7E shall be used.

For oxygen (or carbon dioxide), EPA Reference Method 3, 3A, or 3B, or as an alternative ASME PTC-19-10-1981—part 10, as applicable, shall be used.

The span value of the continuous emission monitoring system shall be 125 percent of the maximum estimated hourly potential oxides of nitrogen emissions of the municipal waste combustor unit.

Quarterly accuracy determinations and daily calibration drift tests shall be performed in accordance with 40CFR Appendix F Procedure 1 in appendix F.

When oxides of nitrogen emissions data are not obtained because of continuous emission monitoring system breakdowns, repairs, calibration checks, and/or zero and span adjustments, emissions data shall be obtained by using other monitoring systems as approved by EPA or EPA Reference Method 19 to provide, as necessary, valid emissions data for a minimum of 90 percent of the hours per calendar quarter and 95 percent of the hours per calendar year that the affected facility is operated and combusting municipal solid waste.

Manufacturer Name/Model Number: CEM
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 150 parts per million by volume
(dry, corrected to 7% O₂)
Reference Test Method: Specification 2
Monitoring Frequency: CONTINUOUS
Averaging Method: 24 HOUR DAILY BLOCK (ARITHMETIC AVERAGE)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

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

**Condition 58: Flare visible emissions.
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 60.18(e), NSPS Subpart A

Item 58.1:

This Condition applies to Emission Unit: 0-00002
Process: FLA

Item 58.2:

Flares used to comply with provisions of this subpart shall be operated at all times when emissions may be vented to them.

**Condition 59: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-00004
Process: TG1

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of a solid fuel fired boiler shall submit a compliance test protocol to the Department for approval at least 30 days prior to conducting compliance testing of the 0.1 lb/mmBtu particulate matter standard. The owner or operator shall submit the results to the Department for approval within 60 days of the conclusion of compliance testing. Testing shall be conducted once every five years. All records associated with the testing shall be maintained on site or at a Department approved alternative location for a minimum of five years.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.1 pounds per million Btus
Reference Test Method: 40 CFR 60, Appendix A, Method 5
Monitoring Frequency: Once every five years
Averaging Method: 1-HOUR AVERAGE

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Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 60: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.672(a), NSPS Subpart OOO

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: A-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of particulate matter from sources subject to the requirements of Table 2 to Subpart OOO of 40 CFR Part 60 that commenced construction, modification or reconstruction after August 31, 1983 but before April 22, 2008 that are equipped with a capture system and control device must be limited to 0.022 grains per dry standard cubic foot.

Testing in compliance with this condition must be conducted pursuant to a stack testing protocol approved by DEC. The facility operator shall submit this protocol to DEC at least 30 days in advance of the test. A report including the results of the test and all control efficiency calculations shall be submitted to DEC no later than 60 days after the test is completed. The facility must keep the test report onsite until a new test is conducted pursuant to this condition.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.022 grains per dscf

Reference Test Method: As specified in 40 CFR 60.675(b)(1)

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

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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 in 6 NYCRR 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 demonstrate, 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 facility was being properly operated and maintained;

(3) during the period of the emergency the facility owner or operator took all reasonable steps to minimize the 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 any 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 malfunction 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

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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 61: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement: ECL 19-0301

Item 61.1:

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: 007439-92-1
Name: LEAD

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

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

CAS No: 007664-41-7
Name: AMMONIA

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

CAS No: 0NY210-00-0

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Name: OXIDES OF NITROGEN

**Condition 62: Malfunctions and Start-up/Shutdown Activities
Effective for entire length of Permit****Applicable State Requirement:6 NYCRR 201-1.4****Item 62.1:**

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment maintenance and start-up/shutdown activities when they are expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when required by a permit condition or upon request by the department. Such reports shall state whether an exceedance occurred and if it was unavoidable, include the time, frequency and duration of the exceedance, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous monitoring and quarterly reporting requirements need not submit additional reports of exceedances to the department.

(c) In the event that air contaminant emissions exceed any applicable emission standard due to a malfunction, the facility owner or operator shall notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. In addition, the facility owner or operator shall compile and maintain a record of all malfunctions. Such records shall be maintained at the facility for a period of at least five years and must be made available to the department upon request. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, the air contaminants emitted, and the resulting emission rates and/or opacity.

(d) The department may also require the facility owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 63: Compliance Demonstration
Effective for entire length of Permit****Applicable State Requirement:6 NYCRR 201-6.5 (a)**

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Item 63.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 63.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As required by the Climate Leadership and Community Protection Act (CLCPA), Taylor Holdings Group Ltd (Taylor) has analyzed the greenhouse gas and co-pollutant emissions associated with the construction and operation of the biomass gasification facility. The final CLCPA analysis prepared by TRC and dated June 12, 2024 indicates that Taylor will install a solar photovoltaic system on the building roof and fund the installation of six electric vehicle (EV) charging stations within the Village of Maybrook as mitigation measures for this project.

Within 180 days of the issuance of this permit, Taylor shall submit an implementation schedule to the Department for approval detailing the mitigation measures described above. In addition, the facility owner or operator shall submit a fully executed implementation agreement with the Village of Maybrook describing the location and anticipated installation date of at least six solar powered electric vehicle (EV) charging stations within the village.

Taylor shall install the mitigation measures in accordance with the approved implementation schedule and shall ensure that they are operated and maintained per manufacturer's instructions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

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