

Facility DEC ID: 5520500005

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 5-5205-00005/00059
Mod 0 Effective Date: 12/15/2016 Expiration Date: 12/14/2021
Mod 1 Effective Date: 04/04/2019 Expiration Date: 12/14/2021
Mod 2 Effective Date: 07/20/2020 Expiration Date: 12/14/2021

Permit Issued To: Finch Paper LLC
Forest Management
1 Glen St
Glens Falls, NY 12801

Contact: SANDRA L LEBARRON
FINCH PAPER LLC
1 GLEN ST
GLENS FALLS, NY 12801
(518) 793-2541

Facility: FINCH PAPER LLC
1 GLEN ST
GLENS FALLS, NY 12801

Description:

Finch paper is a fully integrated pulp and paper manufacturer. The facility processes hardwood and softwood pulp log and chip raw materials using the Sulfite process. Converted pulp is washed, bleached and prepared for finishing by paper machines. A number of supporting processes are required to produce the pulp and paper. Boilers produce steam for generating electricity as well as providing process and comfort heat. A recovery boiler system recovers chemicals from the pulping process and prepares them for reuse. Finally, a treatment plant collects and processes the wastewater.

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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: BETH A MAGEE
 NYSDEC - WARRENSBURG SUBOFFICE
 232 GOLF COURSE RD
 WARRENSBURG, NY 12885-1172

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 1-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 1-1.1:

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

Item 1-1.2:

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

Item 1-1.3

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

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 5
SUBOFFICE - WARRENSBURG
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 5 Sub-office
 Division of Environmental Permits

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232 Golf Course Road
Warrensburg, NY 12885-1172
(518) 623-1281

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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: Finch Paper LLC
Forest Management
1 Glen St
Glens Falls, NY 12801

Facility: FINCH PAPER LLC
1 GLEN ST
GLENS FALLS, NY 12801

Authorized Activity By Standard Industrial Classification Code:
2611 - PULP MILLS
2621 - PAPER MILLS EXC BUILDING PAPER

Mod 0 Permit Effective Date: 12/15/2016

Permit Expiration Date: 12/14/2021

Mod 1 Permit Effective Date: 04/04/2019

Permit Expiration Date: 12/14/2021

Mod 2 Permit Effective Date: 07/20/2020

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- 26 30 40CFR 63.10, Subpart A: Compliance Certification
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- 57 45 40CFR 63.7500(a)(2), Subpart DDDDD: Compliance Certification
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- 60 49 6 NYCRR 227-1.2 (a) (4): Compliance Certification
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- 63 52 6 NYCRR 212-1.6 (a): Compliance Certification
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- 65 54 6 NYCRR 212-3.1 (c) (3): Compliance Certification
- 65 55 40CFR 63.862(a)(2), Subpart MM: Compliance Certification
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- 66 56 40CFR 63.444(c)(2)(i), Subpart S: Compliance Certification
- 67 57 40CFR 63.453(k), Subpart S: Compliance Certification
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- 69 60 40CFR 63.445(b), Subpart S: Bleaching Systems -
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- EU=4-00000,Proc=405,ES=00437**
- 70 61 40CFR 63.445(c)(2), Subpart S: Compliance Certification
- 70 62 40CFR 63.445(c)(2), Subpart S: Compliance Certification
- 71 63 40CFR 63.445(c)(2), Subpart S: Compliance Certification
- 72 64 40CFR 63.453(o), Subpart S: Compliance Certification
- EU=8-00000,Proc=801**
- 73 67 6 NYCRR 229.3 (e) (2) (iv): Compliance Certification

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73 68 6 NYCRR 229.3 (e) (2) (v): Compliance Certification

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77 70 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
77 2-3 6 NYCRR 201-6.5 (a): CLCPA Applicability
78 23 6 NYCRR 211.1: Air pollution prohibited

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78 2-4 6 NYCRR 251.2 (b): Compliance Demonstration

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79 71 6 NYCRR 211.1: Compliance Demonstration

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79 72 6 NYCRR 211.1: Compliance Demonstration
80 73 6 NYCRR 211.1: Compliance Demonstration

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FEDERALLY ENFORCEABLE CONDITIONS

Renewal 3/Mod 2/FINAL

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

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

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

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

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

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

Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (a) (3)

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

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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 between the dates of 12/15/2016 and 12/14/2021**

Applicable Federal Requirement: 6 NYCRR 200.6

Item 1.1:

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

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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 between the dates of 12/15/2016 and 12/14/2021

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

Item 2.1:

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

Condition 3: Recordkeeping and Reporting of Compliance Monitoring
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 3.1:

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

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

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

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 4.1:

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

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reports required by the permit.

Condition 5: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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the report shall be contained in the 6 month monitoring report required above.

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.2(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual

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report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 1-1: Compliance Certification
Effective between the dates of 04/04/2019 and 12/14/2021

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

Item 1-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as

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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
Region 5 Suboffice
232 Golf Course Road
Warrensburg, NY 12885-1172

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance

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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 10/30/2017.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:
The Compliance Certification activity will be performed for the Facility.

Item 7.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

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

Condition 2-1: Recordkeeping requirements
Effective between the dates of 07/20/2020 and 12/14/2021

Applicable Federal Requirement:6 NYCRR 202-2.5

- Item 2-1.1:**
- (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: Recordkeeping requirements
Effective between the dates of 12/15/2016 and 12/14/2021

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Applicable Federal Requirement:6 NYCRR 202-2.5**Item 8.1:**

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

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

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

Condition 9: Open Fires - Prohibitions**Effective between the dates of 12/15/2016 and 12/14/2021****Applicable Federal Requirement:6 NYCRR 215.2****Item 9.1:**

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

Item 9.2

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

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the

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structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

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

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

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

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

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

Condition 10: Maintenance of Equipment
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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

Condition 11: Recycling and Salvage
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:6 NYCRR 201-1.8

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Item 12.1:

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

Condition 13: Exempt Sources - Proof of Eligibility**Effective between the dates of 12/15/2016 and 12/14/2021****Applicable Federal Requirement:6 NYCRR 201-3.2 (a)****Item 13.1:**

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

Condition 14: Trivial Sources - Proof of Eligibility**Effective between the dates of 12/15/2016 and 12/14/2021****Applicable Federal Requirement:6 NYCRR 201-3.3 (a)****Item 14.1:**

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 15: Requirement to Provide Information**Effective between the dates of 12/15/2016 and 12/14/2021****Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (4)****Item 15.1:**

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 16: Right to Inspect**Effective between the dates of 12/15/2016 and 12/14/2021****Applicable Federal Requirement:6 NYCRR 201-6.4 (a) (8)****Item 16.1:**

The department or an authorized representative shall be allowed upon presentation of

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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 17: Off Permit Changes
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 17.1:

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

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

(ii) The permit shield described in section 6 NYCRR 201-6.4 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air

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contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 19: Accidental release provisions.
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40 CFR Part 68

Item 19.1:

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided 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 20: Recycling and Emissions Reduction
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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 21: Emission Unit Definition
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

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Item 21.1(From Mod 2):

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

Emission Unit: 3-10000

Emission Unit Description:

Emission unit 3-10000 consists of the facility's woodwaste boiler. It produces high pressure steam which is used to generate electricity and for process steam. Wood waste is combusted with natural gas. Oil may also be burned when natural gas supply is curtailed. A dust collector and venturi scrubber are used to control particulate emissions.

Building(s): POWER

Item 21.2(From Mod 2):

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

Emission Unit: 4-00000

Emission Unit Description:

Emission unit consists of the pulp mill and bleach plant.

Building(s): PULP

Item 21.3(From Mod 0):

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

Emission Unit: 1-00000

Emission Unit Description:

Unit consists of four paper machines and their associated emission points. Sulfite stock is mixed with additives on the wet end and processed through the paper machines to form paper product. Emissions are released through the exhausters, economizers, and hood exhaust fans of the paper machines

Building(s): PM123
PM4

Item 21.4(From Mod 0):

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

Emission Unit: 2-00000

Emission Unit Description:

The unit consists of the facility's pulp prep and precipitated calcium carbonate processes.

Building(s): PCC

Item 21.5(From Mod 1):

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

Emission Unit: 3-00000

Emission Unit Description:

Emission unit 3-00000 consists of facility's power boiler network. Unit contains four power boilers which can burn either natural gas or #6 fuel oil during natural gas

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curtailment. During normal operation the power boilers exhaust through a common stack (EP00009). Each of the power boilers has an individual short stack for use if the main stack is out of service.

Building(s): POWER

Item 21.6(From Mod 0):

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

Emission Unit: 3-20000

Emission Unit Description:

Emission unit 3-20000 consists of the facility's recovery boiler network. The unit contains four boilers which can burn #6 fuel oil or natural gas in order to combust product liquor. The SO₂ from the liquor combustion is collected for use as acid for digestion through ammonia towers. Brinks mist eliminators are used to control particulate emissions.

Building(s): POWER

Item 21.7(From Mod 0):

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

Emission Unit: 5-00000

Emission Unit Description:

Emission unit 5-00000 is the facility's wastewater treatment unit. The unit consists of the wastewater collection system and the wastewater treatment system. The wastewater collection system consists of 5 pump or lifts stations for various areas of the facility. The wastewater treatment system consists of the following emission points: two mix tank vents, three primary clarifiers, two aeration basins, three secondary clarifiers, two gravity thickeners, a dewatering basin, two belt filter presses and a screw press.

Building(s): MISC
WWT

Item 21.8(From Mod 0):

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

Emission Unit: 6-00000

Emission Unit Description:

This emission unit consists of the wood chipping, debarking, and wood chip storage piles.

Building(s): WOOD

Item 21.9(From Mod 0):

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

Emission Unit: 7-00000

Emission Unit Description:

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This emission unit consists of miscellaneous plant support operations including paper trim baling and a babbitt pot for wood chipper maintenance.

Building(s): MISC

Item 21.10(From Mod 0):

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

Emission Unit: 8-00000

Emission Unit Description:

Emission unit 800000 contains the facility's miscellaneous storage vessels. The tanks are located at various places in the facility.

Building(s): CHEM
MISC

Condition 22: Progress Reports Due Semiannually
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 22.1:

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 2-2: Non Applicable requirements
Effective between the dates of 07/20/2020 and 12/14/2021

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

Item 2-2.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

Condition 1-2: Visible Emissions Limited
Effective between the dates of 04/04/2019 and 12/14/2021

Applicable Federal Requirement:6 NYCRR 211.2

Item 1-2.1:

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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 24: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 24.1:

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

Emission Unit: 1-00000

Emission Unit: 2-00000

Emission Unit: 6-00000

Emission Unit: 7-00000

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 25: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:6 NYCRR 225-1.2 (e)

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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CAS No: 007446-09-5 SULFUR DIOXIDE

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the firing of residual oil with a sulfur content of 0.50%.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 6 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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.

The initial report is due 4/30/2017.

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

Condition 26: Compliance Certification

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR 225-1.2 (f)

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires distillate oil are limited to the firing of residual oil with a sulfur content of 0.0015 %.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 15 parts per million by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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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.

The initial report is due 4/30/2017.

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

Condition 27: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 27.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 3-00000

Emission Unit: 3-10000

Emission Unit: 3-20000

Item 27.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (6 minute average), except for one period per hour of not more than 27 percent opacity. Daily visible emissions observations will be made when the fuel used is oil or wood.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 28: 63.10(b) General Recordkeeping Requirements
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.10, Subpart A

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Item 28.1:

The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record. At a minimum the most recent 2 years of data shall be retained on site. The owner or operator of an affected source subject to the provisions of this part shall maintain relevant records for such source as described in 40 CFR 63.10 (b)(2).

**Condition 29: 63.10(b) General Reporting Requirements
Effective between the dates of 12/15/2016 and 12/14/2021**

Applicable Federal Requirement:40CFR 63.10, Subpart A

Item 29.1:

The owner or operator of an affected source subject to the reporting requirements under the general provisions shall submit reports to the Department in accordance with the reporting requirements in the relevant standards as described in 40 CFR 63.10 (d).

**Condition 30: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021**

Applicable Federal Requirement:40CFR 63.10, Subpart A

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A summary report shall be submitted for the hazardous air pollutants monitored at each affected source. The summary report shall be entitled "Summary Report-Gaseous and Opacity Excess Emission and Continuous Monitoring System Performance" and contain the information specified in 40CFR63.10(e)(3)(vi) . A combined report may be submitted for Subpart S and Subpart MM requirements. If the total duration of excess emissions or control

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system parameter exceedences for the reporting period is 1 % or greater of the total operating time for the reporting period, or the total CMS downtime for the reporting period is 5% or greater of the total operating time for the reporting period, both this summary report and the excess emissions and continuous monitoring system performance report shall be submitted.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 31: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.864(k), Subpart MM

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Pressure drop across the mist eliminators shall not be less than 6 inches of water. Facility will be in violation if six or more 3-hour block average readings during any 6-month reporting period are below 6 inches.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 6 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 32: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.7500(a)(1), Subpart DDDDD

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Facility DEC ID: 5520500005

Item 32.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional hybrid suspension/grate biomass-fired boiler with heat input capacity of 10 million Btu per hour or greater, burns at least 10% biomass on an annual heat input basis, and is located at a major source of HAP emissions must limit the concentration of carbon monoxide emissions.

The concentration limit for carbon monoxide is 3500 ppmvd or less corrected to 3% oxygen based on the average of three runs. Each run must be for at least one hour.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

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Upper Permit Limit: 3500 parts per million by volume
 (dry, corrected to 3% oxygen)
 Reference Test Method: see table 5.5 of subpart DDDDD
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
 DESCRIPTION
 Averaging Method: AVERAGING METHOD - SEE MONITORING
 DESCRIPTION
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 4/30/2017.
 Subsequent reports are due every 6 calendar month(s).

Condition 33: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 40CFR 63.7500(a)(1), Subpart DDDDD

Item 33.1:
 The Compliance Certification activity will be performed for the Facility.

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

Item 33.2:
 Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
 Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional hybrid suspension/grate biomass-fired boiler with heat input capacity of 10 million Btu per hour or greater, burns at least 10% biomass on an annual heat input basis, and is located at a major source of HAP emissions must limit the concentration of filterable particulate matter emissions.

The concentration limit for filterable particulate matter is 0.44 lb/mmBtu of heat input or less based on the average of three runs. Each run must collect a minimum of one dry standard cubic meter.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

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The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.44 pounds per million Btus
Reference Test Method: see table 5.1 of subpart DDDDD
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 40CFR 63.7500(a)(1), Subpart DDDDD

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional hybrid suspension/grate biomass-fired boiler with heat input capacity of 10 million Btu per hour or greater, burns at least 10% biomass on an annual heat input basis, and is located at a major source of HAP emissions must limit the concentration

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of hydrogen chloride emissions.

The concentration limit for hydrogen chloride is 0.022 lb/mmBtu of heat input or less based on the average of three runs. If using method 26A, each run must collect a minimum of one dry standard cubic meter and if using method 26 each run must collect a minimum of 120 liters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.022 pounds per million Btus
Reference Test Method: see table 5.3 of subpart DDDDD
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

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Applicable Federal Requirement: 40CFR 63.7500(a)(1), Subpart DDDDD**Item 35.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an existing industrial, commercial, or institutional hybrid suspension/grate biomass-fired boiler with heat input capacity of 10 million Btu per hour or greater, burns at least 10% biomass on an annual heat input basis, and is located at a major source of HAP emissions must limit the concentration of mercury emissions.

The concentration limit for mercury is 0.0000057 (5.7E-06) lb/mmBtu of heat input or less based on the average of three runs. If using method 29, each run must collect a minimum of three dry standard cubic meters, if using method 30A or B, each run must collect a minimum sample volume as specified in the method, and if using ASTM D6784 each run must collect a minimum of three dry standard cubic meters.

The performance stack test must be conducted at the representative operating load conditions while burning the type of fuel or mixture of fuels that have the highest emissions potential for each regulated pollutant. The owner or operator of an industrial, commercial, or institutional boiler that demonstrates compliance with a performance stack test must maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance stack test.

The facility must also meet the applicable operating limits listed in table 4 of subpart DDDDD.

Initial compliance will be demonstrated according to the provisions in 40 CFR 63.7530.

Subsequent performance tests will be required as specified in 40 CFR 63.7515, which requires performance tests to be conducted on an annual basis, no more than 13 months after the previous performance test. Testing can be reduced if the requirements in 40 CFR 63.7515 are

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followed.

Continuous compliance will then be demonstrated according to 40 CFR 63.7540. The facility must submit notifications and reports and keep records and according to the provisions in 40 CFR 63.7545, 7550, and 7555.

Upper Permit Limit: 0.0000057 pounds per million Btus
Reference Test Method: see table 5.4 of subpart DDDDD
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 36: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 40CFR 63.7505(d), Subpart DDDDD

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:

Owners and operators demonstrating compliance with any applicable emission limit through performance testing and subsequent compliance with operating limits (including the use of CPMS), or with a CEMS, or COMS must develop a site-specific monitoring plan according to the requirements in paragraphs (1) through (4) for the use of any CEMS, COMS, or CPMS. This requirement also applies to the owner or operator if he/she petitions the EPA Administrator for alternative monitoring parameters under 40 CFR 63.8(f).

(1) For each CMS required in this section (including CEMS, COMS, or CPMS), the owner or operator must develop, and submit to the Administrator for approval upon request, a site-specific monitoring plan that addresses design, data collection, and the quality assurance and quality control elements outlined in 40 CFR 63.8(d) and the elements described in paragraphs (i) through (iii). The owner or operator must submit this site-specific monitoring plan, if requested, at least 60 days before his/her initial performance evaluation of the CMS. This requirement to

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develop and submit a site-specific monitoring plan does not apply to affected sources with existing CEMS or COMS operated according to the performance specifications under appendix B to part 60 and that meet the requirements of 40 CFR 63.7525. Using the process described in 40 CFR 63.8(f)(4), the owner or operator may request approval of alternative monitoring system quality assurance and quality control procedures in place of those specified in this paragraph and, if approved, include the alternatives in his/her site-specific monitoring plan.

(i) Installation of the CMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

(ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and

(iii) Performance evaluation procedures and acceptance criteria (e.g., calibrations, accuracy audits, analytical drift).

(2) In the site-specific monitoring plan, the owner or operator must also address paragraphs (i) through (iii).

(i) Ongoing operation and maintenance procedures in accordance with the general requirements of 40 CFR 63.8(c)(1)(ii), (c)(3), and (c)(4)(ii);

(ii) Ongoing data quality assurance procedures in accordance with the general requirements of 40 CFR 63.8(d); and

(iii) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR 63.10(c) (as applicable in Table 10 subpart DDDDD), (e)(1), and (e)(2)(i).

(3) The owner or operator must conduct a performance evaluation of each CMS in accordance with the site-specific monitoring plan.

(4) The owner or operator must operate and maintain the CMS in continuous operation according to the site-specific monitoring plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

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DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**** Emission Unit Level ****

Condition 37: Emission Point Definition By Emission Unit
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 37.1(From Mod 2):

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

Emission Unit: 3-10000

Emission Point: 00011
 Height (ft.): 115 Diameter (in.): 72
 NYTMN (km.): 4795.949 NYTME (km.): 610.577 Building: POWER

Item 37.2(From Mod 0):

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

Emission Unit: 1-00000

Emission Point: 10009
 Height (ft.): 54 Length (in.): 41 Width (in.): 62
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10010
 Height (ft.): 54 Length (in.): 41 Width (in.): 62
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10011
 Height (ft.): 54 Length (in.): 41 Width (in.): 62
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10012
 Height (ft.): 30 Diameter (in.): 8
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10017
 Height (ft.): 54 Length (in.): 39 Width (in.): 52
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10018
 Height (ft.): 30 Diameter (in.): 8
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10019
 Height (ft.): 54 Diameter (in.): 24

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| | | |
|-----------------------|---------------------|-----------------|
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10020 | | |
| Height (ft.): 54 | Length (in.): 39 | Width (in.): 52 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10021 | | |
| Height (ft.): 54 | Length (in.): 39 | Width (in.): 52 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10022 | | |
| Height (ft.): 54 | Length (in.): 39 | Width (in.): 52 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10023 | | |
| Height (ft.): 54 | Length (in.): 37 | Width (in.): 55 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10024 | | |
| Height (ft.): 30 | Diameter (in.): 8 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10025 | | |
| Height (ft.): 30 | Diameter (in.): 10 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10034 | | |
| Height (ft.): 54 | Diameter (in.): 54 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10035 | | |
| Height (ft.): 54 | Diameter (in.): 24 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10036 | | |
| Height (ft.): 54 | Length (in.): 32 | Width (in.): 42 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10037 | | |
| Height (ft.): 54 | Length (in.): 32 | Width (in.): 42 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10038 | | |
| Height (ft.): 54 | Length (in.): 35 | Width (in.): 47 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10039 | | |
| Height (ft.): 54 | Length (in.): 32 | Width (in.): 42 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PM123 |
| Emission Point: 10040 | | |
| Height (ft.): 54 | Length (in.): 32 | Width (in.): 42 |

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NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10041
 Height (ft.): 54 Length (in.): 32 Width (in.): 42
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10042
 Height (ft.): 5 Diameter (in.): 8
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10043
 Height (ft.): 30 Diameter (in.): 8
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Emission Point: 10044
 Height (ft.): 54 Length (in.): 32 Width (in.): 42
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PM123

Item 37.3(From Mod 0):

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

Emission Unit: 2-00000

Emission Point: 00014
 Height (ft.): 66 Diameter (in.): 18
 NYTMN (km.): 4795.852 NYTME (km.): 610.237 Building: PCC

Emission Point: 00015
 Height (ft.): 70 Diameter (in.): 18
 NYTMN (km.): 4795.853 NYTME (km.): 610.241 Building: PCC

Emission Point: 00016
 Height (ft.): 70 Diameter (in.): 18
 NYTMN (km.): 4795.856 NYTME (km.): 610.245 Building: PCC

Item 37.4(From Mod 1):

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

Emission Unit: 3-00000

Emission Point: 00009
 Height (ft.): 231 Diameter (in.): 98
 NYTMN (km.): 4795.96 NYTME (km.): 610.485 Building: POWER

Emission Point: 0009B
 Height (ft.): 61 Diameter (in.): 52
 NYTMN (km.): 4795.924 NYTME (km.): 610.532 Building: POWER

Emission Point: 0009C
 Height (ft.): 61 Diameter (in.): 52
 NYTMN (km.): 4795.924 NYTME (km.): 610.532 Building: POWER

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Emission Point: 0009D
 Height (ft.): 61 Diameter (in.): 52
 NYTMN (km.): 4795.924 NYTME (km.): 610.532 Building: POWER

Emission Point: 0009E
 Height (ft.): 61 Diameter (in.): 52
 NYTMN (km.): 4795.924 NYTME (km.): 610.532 Building: POWER

Item 37.5(From Mod 0):

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

Emission Unit: 3-20000

Emission Point: 00012
 Height (ft.): 223 Diameter (in.): 85
 NYTMN (km.): 4795.99 NYTME (km.): 610.569 Building: POWER

Emission Point: 0012A
 Height (ft.): 72 Diameter (in.): 48
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: POWER

Emission Point: 0012B
 Height (ft.): 72 Diameter (in.): 48
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: POWER

Emission Point: 0012C
 Height (ft.): 72 Diameter (in.): 48
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: POWER

Emission Point: 0012D
 Height (ft.): 72 Diameter (in.): 48
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: POWER

Item 37.6(From Mod 0):

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

Emission Unit: 4-00000

Emission Point: 00006
 Height (ft.): 20 Diameter (in.): 4
 NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: PULP

Emission Point: 00010
 Height (ft.): 90 Diameter (in.): 14
 NYTMN (km.): 4795.86 NYTME (km.): 610.753 Building: PULP

Emission Point: 00019
 Height (ft.): 165 Diameter (in.): 4
 NYTMN (km.): 4795.845 NYTME (km.): 610.792 Building: PULP

Emission Point: 00028
 Height (ft.): 143 Diameter (in.): 30

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| | | |
|-----------------------|----------------------|----------------|
| NYTMN (km.): 4795.84 | NYTME (km.): 610.838 | Building: PULP |
| Emission Point: 40007 | | |
| Height (ft.): 83 | Diameter (in.): 28 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PULP |
| Emission Point: 40008 | | |
| Height (ft.): 83 | Diameter (in.): 28 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PULP |
| Emission Point: 40010 | | |
| Height (ft.): 83 | Diameter (in.): 8 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PULP |
| Emission Point: 40011 | | |
| Height (ft.): 83 | Diameter (in.): 24 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PULP |
| Emission Point: 40012 | | |
| Height (ft.): 83 | Diameter (in.): 24 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PULP |
| Emission Point: 40015 | | |
| Height (ft.): 83 | Diameter (in.): 21 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PULP |
| Emission Point: 40016 | | |
| Height (ft.): 83 | Diameter (in.): 33 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PULP |
| Emission Point: 40018 | | |
| Height (ft.): 75 | Diameter (in.): 18 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: PULP |

Item 37.7(From Mod 0):

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

| | | |
|------------------------|---------------------|----------------|
| Emission Unit: 5-00000 | | |
| Emission Point: 50006 | | |
| Height (ft.): 2 | Length (in.): 24 | Width (in.): 8 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WWT |
| Emission Point: 50007 | | |
| Height (ft.): 20 | Diameter (in.): 8 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WWT |
| Emission Point: 50008 | | |
| Height (ft.): 17 | Diameter (in.): 12 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WWT |
| Emission Point: 50024 | | |

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| | | |
|-----------------------|---------------------|---------------|
| Height (ft.): 28 | Diameter (in.): 8 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WWT |
| Emission Point: 50025 | | |
| Height (ft.): 17 | Diameter (in.): 12 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WWT |

Item 37.8(From Mod 0):

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

| | | |
|------------------------|---------------------|-----------------|
| Emission Unit: 6-00000 | | |
| Emission Point: 60001 | | |
| Height (ft.): 36 | Length (in.): 12 | Width (in.): 14 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60002 | | |
| Height (ft.): 36 | Length (in.): 12 | Width (in.): 14 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60003 | | |
| Height (ft.): 36 | Length (in.): 12 | Width (in.): 14 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60004 | | |
| Height (ft.): 36 | Length (in.): 12 | Width (in.): 14 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60005 | | |
| Height (ft.): 36 | Length (in.): 12 | Width (in.): 14 |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60006 | | |
| Height (ft.): 50 | Diameter (in.): 18 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60007 | | |
| Height (ft.): 50 | Diameter (in.): 18 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60008 | | |
| Height (ft.): 50 | Diameter (in.): 30 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60009 | | |
| Height (ft.): 50 | Diameter (in.): 30 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |
| Emission Point: 60010 | | |
| Height (ft.): 42 | Diameter (in.): 24 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD |

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| | | | |
|-----------------------|---------------------|-----------------|--|
| Emission Point: 60011 | | | |
| Height (ft.): 32 | Diameter (in.): 24 | | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD | |
| | | | |
| Emission Point: 60012 | | | |
| Height (ft.): 38 | Diameter (in.): 24 | | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD | |
| | | | |
| Emission Point: 60013 | | | |
| Height (ft.): 48 | Diameter (in.): 24 | | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD | |
| | | | |
| Emission Point: 60014 | | | |
| Height (ft.): 24 | Length (in.): 18 | Width (in.): 18 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD | |
| | | | |
| Emission Point: 60015 | | | |
| Height (ft.): 74 | Diameter (in.): 24 | | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: WOOD | |

Item 37.9(From Mod 0):

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

| | | | |
|------------------------|---------------------|-----------------|--|
| Emission Unit: 7-00000 | | | |
| | | | |
| Emission Point: 70003 | | | |
| Height (ft.): 54 | Length (in.): 28 | Width (in.): 32 | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: MISC | |
| | | | |
| Emission Point: 70005 | | | |
| Height (ft.): 30 | Diameter (in.): 4 | | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: MISC | |

Item 37.10(From Mod 0):

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

| | | | |
|------------------------|---------------------|----------------|--|
| Emission Unit: 8-00000 | | | |
| | | | |
| Emission Point: 00007 | | | |
| Height (ft.): 22 | Diameter (in.): 2 | | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: CHEM | |
| | | | |
| Emission Point: 80001 | | | |
| Height (ft.): 10 | Diameter (in.): 2 | | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: MISC | |
| | | | |
| Emission Point: 80016 | | | |
| Height (ft.): 20 | Diameter (in.): 2 | | |
| NYTMN (km.): 4795.829 | NYTME (km.): 610.36 | Building: CHEM | |
| | | | |
| Emission Point: 80019 | | | |
| Height (ft.): 10 | Diameter (in.): 2 | | |

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NYTMN (km.): 4795.829 NYTME (km.): 610.36 Building: MISC

Condition 38: Process Definition By Emission Unit
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 38.1(From Mod 2):

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

Emission Unit: 3-10000
Process: 303 Source Classification Code: 1-02-006-01
Process Description:
Process consists of natural gas combustion for the woodwaste boiler. It also includes burning oil during natural gas curtailment.

Emission Source/Control: 00306 - Combustion
Design Capacity: 249 million Btu per hour

Emission Source/Control: 00328 - Process
Design Capacity: 27.5 kilowatts

Item 38.2(From Mod 2):

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

Emission Unit: 3-10000
Process: 305 Source Classification Code: 1-02-009-01
Process Description:
Process consists of woodwaste combustion in the woodwaste boiler. This includes digester rejects.

Emission Source/Control: 00306 - Combustion
Design Capacity: 249 million Btu per hour

Emission Source/Control: 00307 - Control
Control Type: GRAVITY COLLECTOR

Emission Source/Control: 00308 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00328 - Process
Design Capacity: 27.5 kilowatts

Item 38.3(From Mod 2):

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

Emission Unit: 4-00000
Process: 407 Source Classification Code: 3-07-001-15
Process Description:
Chlorine dioxide is generated through the R-8 process. Emissions are exhausted through the bleach plant

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scrubber.

Emission Source/Control: 00446 - Control
Control Type: WET SCRUBBER

Emission Source/Control: 00440 - Process

Item 38.4(From Mod 0):

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

Emission Unit: 1-00000
Process: 101 Source Classification Code: 3-07-004-05
Process Description:
Sulfite stock is used by paper machines 1-4 to form paper.

Emission Source/Control: 00101 - Process

Emission Source/Control: 00102 - Process

Emission Source/Control: 00103 - Process

Emission Source/Control: 00104 - Process

Item 38.5(From Mod 0):

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

Emission Unit: 2-00000
Process: 201 Source Classification Code: 3-07-004-05
Process Description:
Slaking of lime. Dry lime (CaO) is mixed with water in a slaker, which consists of two reaction tanks and a finished calcium hydroxide (slaked lime) storage tank. The emissions from the slaker are fugitive.

Emission Source/Control: 00201 - Process

Item 38.6(From Mod 0):

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

Emission Unit: 2-00000
Process: 202 Source Classification Code: 3-07-004-05
Process Description:
Manufacture of precipitated calcium carbonate (PCC) by combining slaked calcium hydroxide with carbon dioxide which is obtained from power boiler or recovery boiler flue gas in one of three carbonators. Exhaust discharges through carbonator mist eliminators to Emission Points 00014, 00015 and 00016.

Emission Source/Control: 00204 - Control
Control Type: MIST ELIMINATOR

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Emission Source/Control: 00310 - Process
Design Capacity: 120 million Btu per hour

Emission Source/Control: 00311 - Process
Design Capacity: 265 million Btu per hour

Emission Source/Control: 00312 - Process
Design Capacity: 305 million Btu per hour

Item 38.9(From Mod 0):

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

Emission Unit: 3-20000

Process: 308

Source Classification Code: 3-07-002-22

Process Description:

Process consists of liquor combustion for recovery boilers. It may be in conjunction with oil or natural gas combustion and the exhaust is routed through absorbers and mist eliminators.

Emission Source/Control: 00316 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 00317 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 00318 - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 00309 - Process
Design Capacity: 120 million Btu per hour

Emission Source/Control: 00310 - Process
Design Capacity: 120 million Btu per hour

Emission Source/Control: 00311 - Process
Design Capacity: 265 million Btu per hour

Emission Source/Control: 00312 - Process
Design Capacity: 305 million Btu per hour

Emission Source/Control: 00313 - Process

Emission Source/Control: 00314 - Process

Emission Source/Control: 00315 - Process

Item 38.10(From Mod 0):

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

Emission Unit: 3-20000

Process: 309

Source Classification Code: 3-07-002-22

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Facility DEC ID: 5520500005

Process Description:

Process consists of storage of liquor and acid during the recovery process.

Emission Source/Control: 00319 - Process

Emission Source/Control: 00322 - Process

Emission Source/Control: 00323 - Process

Emission Source/Control: 00324 - Process

Emission Source/Control: 00325 - Process

Emission Source/Control: 00326 - Process

Emission Source/Control: 00327 - Process

Item 38.11(From Mod 0):

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

Emission Unit: 4-00000

Process: 401

Source Classification Code: 3-07-003-04

Process Description:

Sulfur is burned in either of two sulfur burners to produce SO₂ gas. SO₂ gas is cooled in a series of two cooling towers, and then through a packed bed absorption tower. SO₂ is absorbed with ammonia and used as cooking acid for digester. Tail gas is filtered through a mist eliminator.

Emission Source/Control: 00403 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: 00401 - Process

Emission Source/Control: 00402 - Process

Emission Source/Control: 00404 - Process

Emission Source/Control: 00405 - Process

Emission Source/Control: 00406 - Process

Emission Source/Control: 00407 - Process

Emission Source/Control: 00452 - Process

Item 38.12(From Mod 0):

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

Emission Unit: 4-00000

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Emission Source/Control: 00453 - Control
Control Type: FLOATING ROOF

Emission Source/Control: 00454 - Control
Control Type: FLOATING ROOF

Emission Source/Control: 00422 - Process

Emission Source/Control: 00423 - Process

Emission Source/Control: 00424 - Process

Emission Source/Control: 00425 - Process

Emission Source/Control: 00426 - Process

Emission Source/Control: 00427 - Process

Emission Source/Control: 00428 - Process

Emission Source/Control: 00429 - Process

Emission Source/Control: 00430 - Process

Emission Source/Control: 00431 - Process

Emission Source/Control: 00432 - Process

Emission Source/Control: 00433 - Process

Emission Source/Control: 00434 - Process

Emission Source/Control: 00435 - Process

Emission Source/Control: 00436 - Process

Emission Source/Control: 00455 - Process

Emission Source/Control: 00456 - Process

Item 38.15(From Mod 0):

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

Emission Unit: 4-00000

Process: 406

Source Classification Code: 3-07-001-22

Process Description: Caustic extraction of the pulp occurs.

Emission Source/Control: 00419 - Process

Emission Source/Control: 00420 - Process

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Facility DEC ID: 5520500005

Emission Source/Control: 00421 - Process

Item 38.16(From Mod 0):

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

Emission Unit: 4-00000

Process: 408

Source Classification Code: 3-07-002-99

Process Description: Process consists of filtrate storage.

Emission Source/Control: 00447 - Process

Emission Source/Control: 00448 - Process

Emission Source/Control: 00450 - Process

Emission Source/Control: 00451 - Process

Item 38.17(From Mod 0):

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

Emission Unit: 5-00000

Process: 502

Source Classification Code: 5-03-825-99

Process Description:

Process 502 consists of process wastewater collection. Wastewater from the paper mill, bark, recovery, woodroom, and pulp mill areas is collected through lift stations or pump stations and eventually sent to the wastewater treatment plant.

Emission Source/Control: 00502 - Process

Emission Source/Control: 00503 - Process

Emission Source/Control: 00504 - Process

Emission Source/Control: 00505 - Process

Emission Source/Control: 00506 - Process

Item 38.18(From Mod 0):

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

Emission Unit: 5-00000

Process: 503

Source Classification Code: 5-03-007-02

Process Description:

Process 503 consists of the wastewater treatment plant. The process contains a mix tank, three primary clarifiers, two aeration basins, three secondary clarifiers, two gravity thickeners, two belt filter presses, a screw press, a sludge blend tank and a dewatering basin.

Emission Source/Control: 00507 - Process

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Emission Source/Control: 00508 - Process

Emission Source/Control: 00509 - Process

Emission Source/Control: 00510 - Process

Emission Source/Control: 00511 - Process

Emission Source/Control: 00512 - Process

Emission Source/Control: 00513 - Process

Emission Source/Control: 00514 - Process

Emission Source/Control: 00515 - Process

Emission Source/Control: 00516 - Process

Emission Source/Control: 00517 - Process

Emission Source/Control: 00518 - Process

Emission Source/Control: 00519 - Process

Emission Source/Control: 00520 - Process

Emission Source/Control: 00521 - Process

Emission Source/Control: 00522 - Process

Emission Source/Control: 00523 - Process

Item 38.19(From Mod 0):

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

Emission Unit: 6-00000

Process: 601

Source Classification Code: 3-07-008-01

Process Description:

Process consists of removing bark from wood using a drumming system.

Emission Source/Control: 00601 - Process

Item 38.20(From Mod 0):

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

Emission Unit: 6-00000

Process: 602

Source Classification Code: 3-07-008-20

Process Description: This process consists of cutting wood into chips.

Emission Source/Control: 00602 - Process

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Emission Source/Control: 00611 - Process

Item 38.21(From Mod 0):

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

Emission Unit: 6-00000

Process: 603

Source Classification Code: 3-07-040-02

Process Description:

Process consists of pay loader moving bark from piles located in the wood yard to a conveyor that moves the bark to storage in the power plant.

Emission Source/Control: 00603 - Process

Item 38.22(From Mod 0):

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

Emission Unit: 6-00000

Process: 604

Source Classification Code: 3-07-008-22

Process Description:

Process consists of air-entrained transport of wood chips, with cyclones for retrieval and disposition of wood dust.

Emission Source/Control: 00604 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 00605 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 00606 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 00607 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 00608 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 00609 - Control
Control Type: SINGLE CYCLONE

Emission Source/Control: 00602 - Process

Item 38.23(From Mod 0):

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

Emission Unit: 6-00000

Process: 605

Source Classification Code: 3-07-040-02

Process Description:

Process consists of offloading logs and moving logs to

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debarking using cranes.

Emission Source/Control: 00610 - Process

Item 38.24(From Mod 0):

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

Emission Unit: 7-00000

Process: 703

Source Classification Code: 3-07-013-99

Process Description:

This process consists of collecting and baling paper trim.

Emission Source/Control: 00704 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 00703 - Process

Item 38.25(From Mod 0):

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

Emission Unit: 7-00000

Process: 705

Source Classification Code: 3-12-999-99

Process Description:

This process consists of using the babbitt pot for maintaining wood chipper knives.

Emission Source/Control: 00706 - Process

Item 38.26(From Mod 0):

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

Emission Unit: 8-00000

Process: 801

Source Classification Code: 4-07-999-97

Process Description:

Process consists of storing volatile organic liquids in tanks with capacities greater than 10,000 gallons but less than 20,000 gallons. Submerged filling process is used to minimize working losses.

Emission Source/Control: 00826 - Control

Control Type: SUBMERGED FILL LINE

Emission Source/Control: 00825 - Process

Design Capacity: 10,000 gallons

Item 38.27(From Mod 0):

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

Emission Unit: 8-00000

Process: 802

Source Classification Code: 4-07-999-97

Process Description:

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Process consists storing volatile organic liquids in tanks smaller than 10,000 gallons.

Emission Source/Control: 00804 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00806 - Control
Control Type: CONSERVATION VENT

Emission Source/Control: 00803 - Process
Design Capacity: 8,000 gallons

Emission Source/Control: 00805 - Process
Design Capacity: 8,300 gallons

Item 38.28(From Mod 0):

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

Emission Unit: 8-00000
Process: 803 Source Classification Code: 3-01-870-98
Process Description:
Process consists of storage of liquids that are not volatile organic liquids.

Emission Source/Control: 00817 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: 00821 - Process
Design Capacity: 10,000 gallons

Emission Source/Control: 00827 - Process

Condition 39: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: 2-00000

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

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particles are limited to less than 0.05 grains of particulate per cubic foot of exhaust gas,

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expressed at standard conditions on a dry basis.
Compliance testing will be conducted at the discretion of
the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 5/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 1-3: Compliance Certification
Effective between the dates of 04/04/2019 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR 227-2.5 (c)

Item 1-3.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-00000

Regulated Contaminant(s):

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

Item 1-3.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

During the period April 15 through October 15, Nitrogen Oxide (NO_x) emissions from power boilers may not exceed 0.225 pounds per million Btu on a 30 day average. NO_x emissions will be calculated daily based on boiler steaming rates and emission rate curves developed for each boiler. The calculations will be verified with daily measurements with a Testo Combustion Analyzer. Further confirmation will be provided with annual stack testing performed at the time of recovery boiler Relative Accuracy Test Audit (RATA).

During the period October 16 through April 14, Nitrogen Oxide (NO_x) emissions from power boilers will be limited to 0.275 pounds per million Btu on a 30 day average. This non-ozone season limit does not apply on days when the recovery boilers are not burning liquor or the wood waste boiler is down. During those circumstances, the limit is 0.378 pounds per million BTU on a 24 hour block

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average.

The above limits will be re-evaluated during the next permit renewal.

This NOx RACT limit will be submitted to EPA for approval as a source-specific SIP revision.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 0.225 pounds per million Btus
 Monitoring Frequency: DAILY
 Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 10/30/2019.
 Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR 227-2.6 (a)

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Per the NOx RACT determination submitted in December 2014, the emission limit for the wood waste boiler is 0.28 lbs of NOx emissions per MMBtu. Emission testing to demonstrate compliance will be performed whenever Boiler MACT testing occurs.

Parameter Monitored: OXIDES OF NITROGEN
 Upper Permit Limit: 0.28 pounds per million Btus
 Reference Test Method: Method 7E
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 4/30/2017.
 Subsequent reports are due every 6 calendar month(s).

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Condition 42: Compliance Certification

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.7525(a), Subpart DDDDD

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For boilers subject to a carbon monoxide emission limit in Table 1, 2, or 11 through 13 to Subpart DDDDD, the facility shall install, operate, and maintain an oxygen analyzer system, as defined in 40 CFR 63.7575. The oxygen level shall be monitored at the outlet of the boiler. The analyzer system must maintain a 30 day rolling average oxygen content at or above the lowest average hourly concentration measured during the most recent carbon monoxide performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 43: Compliance Certification

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.7530(b), Subpart DDDDD

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a boiler that uses a wet scrubber for particulate matter control must maintain the 30 day rolling average pressure drop and the 30 day rolling average liquid flow rate at or above the lowest one-hour average pressure drop and the lowest one-hour

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average liquid flow rate, respectively, measured during the most recent performance test demonstrating compliance with the particulate emission limitation.

Scrubber pressure drop and liquid flow rate data must be collected at a minimum of every 15 minutes during the entire period of the performance test. After the test, this permit will be modified to include those averages as enforceable permit conditions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 44: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.7540(a), Subpart DDDDD

Item 44.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a boiler that does not have has a continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up annually. The first tune-up must be completed no later than January 31, 2016.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 45: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.7500(a)(2), Subpart DDDDD

Item 45.1:

The Compliance Certification activity will be performed for:

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Emission Unit: 3-10000

Process: 305

Emission Source: 00306

Item 45.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of an industrial, commercial, or institutional boiler that demonstrate compliance with a performance test must maintain the operating load limit such that it does not exceed 110 percent of the highest operating load recorded during the most recent performance test.

This limit will be established according to Table 7 of subpart DDDDD and compliance will be demonstrated according to Table 8 of subpart DDDDD.

Parameter Monitored: STEAM OUTPUT

Upper Permit Limit: last stack test 210

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 46: Compliance Certification

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.7500(a)(2), Subpart DDDDD

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

Process: 305

Emission Source: 00306

Item 46.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of an industrial boiler with an oxygen analyzer system, to demonstrate compliance with a carbon monoxide emission limit must maintain the 30-day rolling average oxygen level of the stack gas such that it is not below the lowest required hourly average oxygen concentration measured during the most recent CO

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performance test.

This limit will be established according to Table 7 of subpart DDDDD and compliance will be demonstrated according to Table 8 of subpart DDDDD.

Parameter Monitored: OXYGEN CONTENT
 Lower Permit Limit: last stack test percent
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 4/30/2017.
 Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 40CFR 63.7500(a)(2), Subpart DDDDD

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000
 Process: 305 Emission Source: 00308

Item 47.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of an industrial boiler with a wet PM scrubber must maintain the 30-day rolling average pressure drop at or above the lowest 1-hour average pressure drop measured during the most recent performance test demonstrating compliance with the PM emission limitation according to 40 CFR 63.7530(b).

This limit will be established according to Table 7 of subpart DDDDD and compliance will be demonstrated according to Table 8 of subpart DDDDD.

Parameter Monitored: PRESSURE DROP
 Lower Permit Limit: last stack test inches of water
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY
 Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 4/30/2017.
 Subsequent reports are due every 6 calendar month(s).

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Condition 48: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 40CFR 63.7500(a)(2), Subpart DDDDD

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

Process: 305

Emission Source: 00308

Item 48.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of an industrial boiler with a wet PM scrubber must maintain the 30-day rolling average liquid flow rate at or above the lowest 1-hour average liquid flow rate measured during the most recent performance test demonstrating compliance with the PM emission limitation according to 40 CFR 63.7530(b).

This limit will be established according to Table 7 of subpart DDDDD and compliance will be demonstrated according to Table 8 of subpart DDDDD.

Parameter Monitored: FLOW RATE

Lower Permit Limit: last stack test gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 49: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR 227-1.2 (a) (4)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

Emission Point: 00011

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Monitoring Description:

Steam output will be limited to maintain boiler heat input below 250 million Btu's per hour. Boiler efficiency will be calculated at 66%. Recordkeeping will be maintained in the boiler #9 heat input log.

Monitoring Frequency: DAILY

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 50: Compliance Certification

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR 227-1.2 (a) (4)

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

Emission Point: 00011

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The boiler must achieve an emission rate of 0.3 lbs per million Btu. Particulate emission testing shall be conducted once per permit term unless additional testing is required by the permitting authority. Stack test report shall be submitted to the Permit Administrator within 60 days of completion of the testing.

Upper Permit Limit: 0.3 pounds per million Btus

Reference Test Method: EPA METHOD 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 51: Compliance Certification

Effective between the dates of 12/15/2016 and 12/14/2021

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 3-10000

Emission Point: 00011

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1) Observe the wood waste boiler stack once per day for visible emissions. These observations must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow). These observations are not required if the boiler is firing natural gas only.

2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
was plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) Observation of any visible emissions shall prompt immediate investigation and appropriate corrective action. If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis of the affected emission point must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the standard of greater than 20% opacity (six-minute average) except for one six-minute period per hour of greater than 27% opacity is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** Note **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary. However, there is normally a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency.

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Steam plumes dissipate within a short distance of the stack (the colder the air, the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 52: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

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

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-20000

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1) Observe the recovery boiler stack once per day for visible emissions. These observations must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow). These observations are not required if the boiler is firing natural gas only.

2)The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded:

- weather condition
- was plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3)Observation of any visible emissions shall prompt immediate investigation and appropriate corrective action.

If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based on a 6-minute average) of the affected emission point must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The

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Facility DEC ID: 5520500005

operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the standard of 20% or greater average opacity for any consecutive 6 minutes is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** Note **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary. However, there is normally a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air, the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 53: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63, Subpart MM

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-20000

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must develop and implement a written plan that contains specific procedures to be followed for operating the source and maintaining the source during periods of startup, shutdown, and malfunction, and a program of corrective action for malfunctioning process and control systems used to comply with the standards. The plan must include the requirements in paragraphs 40CFR63.866(a)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 4/30/2017.
 Subsequent reports are due every 6 calendar month(s).

Condition 54: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR 212-3.1 (c) (3)

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-20000 Emission Point: 00012

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

Item 54.2:

Compliance Certification shall include the following monitoring:

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

The RACT analysis approved in June 2014 validated a system-wide NOx limit of 464 parts per million (corrected to 7% oxygen). This is calculated on a monthly block average.
 NOx and O2 are monitored continuously with CEMS to calculate a NOx emission rate.

Manufacturer Name/Model Number: ABB Optimas AO2000

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 464 parts per million by volume
 (dry, corrected to 7% O2)

Reference Test Method: PS 2

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 55: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 40CFR 63.862(a)(2), Subpart MM

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 3-20000 Emission Point: 00012

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions discharged to the atmosphere from the recovery boilers will be tested once per permit term unless additional testing is required by the permitting authority. The measured particulate emissions must be less or equal to 0.04 grains per dry standard cubic foot, corrected to 8% oxygen content.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.04 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 56: Compliance Certification

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.444(c)(2)(i), Subpart S

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 4-00000

Regulated Contaminant(s):
 CAS No: 000067-56-1 METHYL ALCOHOL

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Total methanol emissions from digester system vents, evaporator system vents and pulp washing systems shall not exceed 2.2 pounds per oven dried ton of pulp produced. Emissions testing to verify compliance with this requirement will be performed once during the permit term unless changed by the permitting authority.

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Upper Permit Limit: 2.2 pounds per ton
Reference Test Method: USEPA Method 308
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 40CFR 63.453(k), Subpart S

Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 4-00000

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Each enclosure and closed-vent system used to comply with 63.450(a) shall comply with the requirements specified:

- (1) For each enclosure opening, a visual inspection of the closure mechanism specified in 63.450(b) shall be performed each calendar month to ensure the opening is maintained in the closed position and sealed.
- (2) Each closed vent system required by 63.450(a) shall be visually inspected each calendar month. The visible inspection shall include inspection of ductwork, piping, enclosures and connections to covers for visible evidence of defects.
- (3) For positive pressure closed-vent systems or portions of closed-vent systems, demonstrate no detectable leaks as specified in 63.450(c) measured initially and annually by the procedures in 63.457(d).
- (4) Demonstrate initially and annually that each enclosure opening is maintained at negative pressure as specified in 63.457(e).
- (5) The valve or closure mechanism specified in 63.450(d)(2) shall be inspected every calendar month to ensure the valve is maintained in the closed position and the emission point gas stream is not diverted through the bypass line.
- (6) Inspections listed as each calendar month must be at least 14 calendar days apart.

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Facility DEC ID: 5520500005

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 58: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.453(m), Subpart S

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 4-00000

Regulated Contaminant(s):

CAS No: 000067-56-1 METHYL ALCOHOL

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Digester rate will be maintained at 525 tons of oven dried pulp produced per day or less (at which rate, testing has demonstrated compliance with methanol emissions requirements of not more than 2.2 pounds per oven dried pulp produced). Chip feed rate will be monitored continuously and corrected to dry chip weight by subtracting calculated moisture content which is measured three time per day. Digester rate is tons of dry chips multiplied by an established digester yeild factor and will be calculated and recorded daily.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WAFERS/CHIPS

Parameter Monitored: MASS FLOW RATE

Upper Permit Limit: 525 tons per day

Monitoring Frequency: DAILY

Averaging Method: 24-HOUR MAXIMUM - NOT TO BE EXCEEDED MORE THAN ONCE PER CALENDAR YEAR

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 59: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Applicable Federal Requirement: 40CFR 63.454(b), Subpart S

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 4-00000

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each applicable enclosure opening, closed-vent system, and closed collection system, the owner or operator shall prepare and maintain a site-specific inspection plan including a drawing or schematic of the components of applicable affected equipment and shall record the following information for each inspection:

- (1) Date of inspection;
- (2) The equipment type and identification;
- (3) Results of negative pressure tests for enclosures;
- (4) Results of leak detection tests;
- (5) The nature of the defect or leak and the method of detection;
- (6) The date the defect or leak was detected and the date of each attempt to repair the defect or leak;
- (7) Repair methods applied in each attempt to repair the leak or defect;
- (8) The reason for the delay if the defect or leak is not repaired within 15 days after discovery;
- (9) The expected date of successful repair of the defect or leak if the repair is not completed within 15 days;
- (10) The date of successful repair of the leak or defect;
- (11) The position and duration of opening of bypass line valves and the condition of any valve seals; and
- (12) The duration of the use of bypass valves on computer controlled valves.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 60: Bleaching Systems - Closed-vent System and Control Device Requirements

Effective between the dates of 12/15/2016 and 12/14/2021

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Applicable Federal Requirement:40CFR 63.445(b), Subpart S

Item 60.1:

This Condition applies to Emission Unit: 4-00000
Process: 405

Item 60.2:

The equipment at each bleaching stage where chlorinated compounds are introduced shall be enclosed and vented into a closed vent system and routed to a control device that meets one or more of the requirements in conditions under §63.445(c). The enclosures and closed vent system shall meet the requirements specified in conditions under §63.450.

Condition 61: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.445(c)(2), Subpart S

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 4-00000
Process: 405 Emission Source: 00437

Item 61.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Recirculation pump motor amperage of the bleach plant scrubber pump will be continuously monitored and maintained within effective range in accordance with monitoring conditions of 63.453(m), consistent with the petition (Request for Approval for Alternative Monitoring - 4/13/2001) submitted to the USEPA.

Parameter Monitored: CURRENT/CURRENT DRAW

Lower Permit Limit: 30 amperes

Upper Permit Limit: 50 amperes

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 62: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.445(c)(2), Subpart S

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: 4-00000

Process: 405

Emission Source: 00437

Item 62.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Fan motor amperage of the bleach plant scrubber fan will be continuously monitored and maintained within effective range in accordance with monitoring conditions of 63.453(m), consistent with the petition (Request for Approval for Alternative Monitoring - 4/13/2001) submitted to the USEPA.

Parameter Monitored: CURRENT/CURRENT DRAW

Lower Permit Limit: 120 amperes

Upper Permit Limit: 150 amperes

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 63: Compliance Certification

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.445(c)(2), Subpart S

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 4-00000

Process: 405

Emission Source: 00437

Regulated Contaminant(s):

CAS No: 007782-50-5 CHLORINE

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The control device used to reduce chlorinated hazardous air pollutant (HAP) emissions shall achieve a treatment device outlet concentration of 10 parts per million or

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

less by volume of total chlorinated HAP. Emission testing to verify compliance with this standard will be performed once during the permit term unless additional testing is required by the permitting authority. The test shall measure the treatment outlet device concentration of either:

- 1) chlorine using EPA Method 26A as modified by 40CFR63.457(b)(5)(ii) or
- 2) the sum of all individual chlorinated HAPs using a method that has been demonstrated to the USEPA administrator's satisfaction.

Upper Permit Limit: 10 parts per million (by volume)

Reference Test Method: method 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 64: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement:40CFR 63.453(o), Subpart S

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: 4-00000

Process: 405

Emission Source: 00437

Regulated Contaminant(s):

CAS No: 010049-04-4 CHLORINE DIOXIDE

Item 64.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

A minimum scrubber pH of 10.35 must be maintained at all times that the process is in operation. Source owner shall install, calibrate, operate and maintain a continuous monitor and data recorder for scrubber pH. Compliance will be based on a 1 hour average.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Permit Limit: 10.35 pH (STANDARD) units

Monitoring Frequency: CONTINUOUS

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR 229.3 (e) (2) (iv)

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 8-00000
Process: 801

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Storage tanks subject to this requirement, with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons must be equipped with submerged fill. The permittee shall visually inspect the submerged fill line on an annual basis to ensure proper operation. Inspection records must be maintained on site for a period of 5 years. Records shall contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2017.
Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Certification
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable Federal Requirement: 6 NYCRR 229.3 (e) (2) (v)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 8-00000
Process: 802

Item 68.2:

Compliance Certification shall include the following monitoring:

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Storage tanks subject to this requirement, with a capacity of less than 10,000 gallons must be equipped with a conservation vent. The permittee shall visually inspect the conservation vent on an annual basis to ensure proper operation. Inspection records must be maintained on site for a period of 5 years. Records shall contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Permit ID: 5-5205-00005/00059

Facility DEC ID: 5520500005

STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

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

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

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

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

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

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

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

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

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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 69: Contaminant List

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable State Requirement: ECL 19-0301

Item 69.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit (emission limits, control requirements or compliance monitoring conditions).

CAS No: 000067-56-1
Name: METHYL ALCOHOL

CAS No: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 007439-97-6
Name: MERCURY

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

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

CAS No: 007782-50-5
Name: CHLORINE

CAS No: 010049-04-4
Name: CHLORINE DIOXIDE

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

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

Condition 70: Malfunctions and start-up/shutdown activities
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable State Requirement: 6 NYCRR 201-1.4

Item 70.1:

(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 malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, 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 stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and 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. 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, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the 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 2-3: CLCPA Applicability
Effective between the dates of 07/20/2020 and 12/14/2021

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Applicable State Requirement:6 NYCRR 201-6.5 (a)

Item 2-3.1:

Pursuant to The New York State Climate Leadership and Community Protection Act (CLCPA) and Article 75 of the Environmental Conservation Law, emission sources shall comply with regulations to be promulgated by the Department to ensure that by 2030 statewide greenhouse gas emissions are reduced by 40% of 1990 levels, and by 2050 statewide greenhouse gas emissions are reduced by 85% of 1990 levels.

Condition 23: Air pollution prohibited
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable State Requirement:6 NYCRR 211.1

Item 23.1:

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

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

Condition 2-4: Compliance Demonstration
Effective between the dates of 07/20/2020 and 12/14/2021

Applicable State Requirement:6 NYCRR 251.2 (b)

Item 2-4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-10000

Process: 303

Emission Source: 00328

Item 2-4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This unit's annual electrical output supplied to the electric grid is limited to less than or equal to 10 percent of the gross annual electrical output of the unit. This limitation makes the unit exempt from the emission limit requirements in 6NYCRR 251.3(b). This limitation also makes the unit exempt from the requirements of Part

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242, except for the provisions of section 242-1.2,
section 242-1.3 and section 242-1.6.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2020.
Subsequent reports are due every 6 calendar month(s).

Condition 71: Compliance Demonstration
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable State Requirement:6 NYCRR 211.1

Item 71.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 3-20000 Emission Point: 00012

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

Item 71.2:

Compliance Demonstration shall include the following monitoring:

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

The facility must continuously monitor and record sulfur dioxide concentration in the recovery boiler exhaust except during CEM quality control checks or routine maintenance. Sulfur dioxide concentration shall not exceed 100 ppm.

Manufacturer Name/Model Number: Sulfur Dioxide Monitor

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 100 parts per million (by volume)

Reference Test Method: Methor 6A

Monitoring Frequency: CONTINUOUS

Averaging Method: 4-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 72: Compliance Demonstration
Effective between the dates of 12/15/2016 and 12/14/2021

Applicable State Requirement:6 NYCRR 211.1

Item 72.1:

The Compliance Demonstration activity will be performed for:

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Emission Unit: 4-00000

Process: 401

Emission Source: 00402

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 72.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Source owner shall continuously monitor the pH of the scrubbing solution to the secondary absorber. The pH shall be maintained at or below 8.0

Parameter Monitored: ACIDITY/ALKALINITY

Upper Permit Limit: 8 pH (STANDARD) units

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

Condition 73: Compliance Demonstration

Effective between the dates of 12/15/2016 and 12/14/2021

Applicable State Requirement:6 NYCRR 211.1

Item 73.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 4-00000

Process: 401

Emission Source: 00402

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 73.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Source owner shall continuously monitor sulfur dioxide emissions from the sulfur burner absorber and convert the data to a mass emission rate. Mass emission rate shall not exceed 10 pounds per hour of sulfur dioxide.

Manufacturer Name/Model Number: ABB Magnos AO2040

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 10 pounds per hour

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Reference Test Method: PS 2

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-HOUR ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2017.

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

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