

Facility DEC ID: 4010100020

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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 4-0101-00020/00012  
Effective Date: 12/04/2020 Expiration Date: 12/03/2025

Permit Issued To: Albany County Water Purification District  
112 State St Basement  
Albany, NY 12207-4187

Contact: ANGELO S GAUDIO  
112 State St. Basement  
Albany, NY 12207-2664  
(518) 447-1611

Facility: Albany County Water Purification District - SOUTH PLANT  
209 CHURCH ST  
ALBANY, NY 12204

Contact: TYLER MASICK  
112 State St., basement  
Albany, NY 12207-0418  
(518) 447-1611

Description:  
This project consists of the renewal of the facility's Title V permit. The facility is removing the emergency engines from the demand response program part of this renewal. Accordingly, the engines are exempt from permitting and are no longer included in this permit.

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: KATE F KORNAK  
NYSDEC - REGION 4  
1130 N WESTCOTT RD  
SCHENECTADY, NY 12306-2014

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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- 4 3 Applications for permit renewals, modifications and transfers
- 5 4 Permit modifications, suspensions or revocations by the Department

**Facility Level**

- 5 5 Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS

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**DEC GENERAL CONDITIONS**

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

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

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

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

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

**Item 2.1:**

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

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

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3**

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

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submitted prior to actual transfer of ownership.

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

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal-REGION 4**  
**HEADQUARTERS**  
**Applicable State Requirement: 6 NYCRR 621.6 (a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 4 Headquarters  
Division of Environmental Permits  
1130 North Westcott Rd.  
Schenectady, NY 12306-2014  
(518) 357-2069

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

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: Albany County Water Purification District  
112 State St Basement  
Albany, NY 12207-4187

Facility: Albany County Water Purification District - SOUTH PLANT  
209 CHURCH ST  
ALBANY, NY 12204

Authorized Activity By Standard Industrial Classification Code:  
4952 - SEWERAGE SYSTEMS  
4953 - REFUSE SYSTEMS

Permit Effective Date: 12/04/2020

Permit Expiration Date: 12/03/2025

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- 17 18 6 NYCRR 202-1.1: Required Emissions Tests
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- 19 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 19 23 6 NYCRR 211.2: Visible Emissions Limited
- 19 24 6 NYCRR 212-1.6 (a): Compliance Certification
- 20 25 6 NYCRR 225-1.2 (h): Compliance Certification
- 21 26 40CFR 60, NSPS Subpart A: Applicability of Subpart A General Provisions
- 21 27 40CFR 60.13(i)(2), NSPS Subpart A: Compliance Certification
- 23 28 40CFR 60.5130, Subpart M MMM: Compliance Certification
- 23 29 40CFR 60.5135, Subpart M MMM: Certification Schedule - Dates
- 23 30 40CFR 60.5235(c), NSPS Subpart M MMM: Compliance Certification
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- 25 33 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 26 34 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

**EU=1-SSISP**

- 27 35 40CFR 60.5155, Subpart M MMM: Compliance Certification
- 28 36 40CFR 60.5165, Subpart M MMM: Compliance Certification
- 28 37 40CFR 60.5165, Subpart M MMM: Compliance Certification
- 29 38 40CFR 60.5165, Subpart M MMM: Compliance Certification
- 30 39 40CFR 60.5165, Subpart M MMM: Compliance Certification
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- 31 41 40CFR 60.5165, Subpart M MMM: Compliance Certification
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- 33 43 40CFR 60.5165, Subpart M MMM: Compliance Certification
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- 35 47 40CFR 60.5170(f), NSPS Subpart M MMM: Compliance Certification
- 36 48 40CFR 60.5170(f), NSPS Subpart M MMM: Compliance Certification
- 37 49 40CFR 60.5200, Subpart M MMM: Compliance Certification
- 38 50 40CFR 60.5205, Subpart M MMM: Performance Testing
- 38 51 40CFR 60.5205(a)(3), Subpart M MMM: Compliance Certification
- 39 52 40CFR 60.5215, Subpart M MMM: Compliance Certification
- 40 53 40CFR 60.5225(a)(1), NSPS Subpart M MMM: Compliance Certification
- 42 54 40CFR 60.5230, Subpart M MMM: Compliance Certification
- 43 55 40CFR 60.5230, Subpart M MMM: Compliance Certification
- 45 56 40CFR 61.32(a), NESHAP Subpart C: Compliance Certification
- 46 57 40CFR 61.52(b), NESHAP Subpart E: Compliance Certification

**EU=1-SSISP,Proc=INC,ES=MHF01**

- 46 58 40CFR 60.5210, Subpart M MMM: Compliance Certification

**EU=1-SSISP,Proc=INC,ES=MHF02**

- 48 59 40CFR 60.5210, Subpart M MMM: Compliance Certification

**EU=1-SSISP,Proc=INC,ES=VSCR1**

- 49 60 40CFR 60.5210, Subpart M MMM: Compliance Certification
- 50 61 40CFR 60.5210, Subpart M MMM: Compliance Certification
- 51 62 40CFR 60.5210, Subpart M MMM: Compliance Certification

**EU=1-SSISP,Proc=INC,ES=VSCR2**

- 52 63 40CFR 60.5210, Subpart M MMM: Compliance Certification
- 53 64 40CFR 60.5210, Subpart M MMM: Compliance Certification
- 54 65 40CFR 60.5210, Subpart M MMM: Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

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- 57 66 ECL 19-0301: Contaminant List
- 58 67 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities



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**FEDERALLY ENFORCEABLE CONDITIONS**

Renewal 1/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 2: Acceptable Ambient Air Quality  
Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 6 NYCRR 200.6****Item 2.1:**

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 3: Fees**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 3.1:**

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 4: Recordkeeping and Reporting of Compliance Monitoring**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 4.1:**

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 5: Records of Monitoring, Sampling, and Measurement**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 5.1:**

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 6: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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 1/30/2021.  
 Subsequent reports are due every 6 calendar month(s).

**Condition 7: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**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:

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  
NYSDEC Region 4 Headquarters  
1130 North Westcott Road  
Schenectady, NY 12306-2014

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 1/30/2021.  
Subsequent reports are due on the same day each year

**Condition 8: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 8.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 8.2:**  
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 9: Recordkeeping requirements**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 9.1:**

(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 10: Open Fires - Prohibitions**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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**Applicable Federal Requirement: 6 NYCRR 215.2****Item 10.1:**

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

**Item 10.2**

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

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS**

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**SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

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

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

**Condition 1: Maintenance of Equipment**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 1.1:**

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 12/04/2020 and 12/03/2025**

**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 12/04/2020 and 12/03/2025**

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

**Item 12.1:**

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

**Condition 13: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**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

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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 12/04/2020 and 12/03/2025**

**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 12/04/2020 and 12/03/2025**

**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 12/04/2020 and 12/03/2025**

**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 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

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compliance with the permit or applicable requirements.

**Condition 17: Off Permit Changes****Effective between the dates of 12/04/2020 and 12/03/2025****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 12/04/2020 and 12/03/2025****Applicable Federal Requirement:6 NYCRR 202-1.1****Item 18.1:**

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

**Condition 19: Accidental release provisions.****Effective between the dates of 12/04/2020 and 12/03/2025****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:

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- 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 12/04/2020 and 12/03/2025**

**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 12/04/2020 and 12/03/2025**

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

**Item 21.1:**

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

Emission Unit: 1-SSISP

Emission Unit Description:

This emission unit consists of two seven-hearth furnaces (MHF01 and MHF02) that incinerate sewage sludge generated from the treatment of municipal wastewater received at the Albany County South Plant. Only one furnace is in operation at a given time. Each furnace is vented to a VenturiPak (TM) Scrubber System consisting of a quench stage, condenser stage, venturi, and high efficiency mist eliminator.

Building(s): SOLIDS





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## DEVICE PARAMETERS AS SURROGATE

## 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.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies daily while the process is in operation. The permittee will immediately investigate any instance where there is cause to believe that visible emissions above those that are normal and in compliance are occurring or have occurred from a process source.

If visible emissions above those that are normal (this may be zero percent opacity for many or all emission sources) and in compliance with section 212-1.6(a) are detected, the permittee shall determine the cause, make the necessary correction, and verify that the excess visible emissions problem has been corrected.

If visible emissions above those that are normal and in compliance continue to be present after corrections are made, the permittee will immediately notify the Department and conduct a Method 9 assessment within 24 hours to determine the degree of opacity.

Records of these observations, investigations and corrective actions will be kept on-site in a format acceptable to the Department and the semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these instances.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Reference Test Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 25: Compliance Certification****Effective between the dates of 12/04/2020 and 12/03/2025**

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**Applicable Federal Requirement:6 NYCRR 225-1.2 (h)**

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 26: Applicability of Subpart A General Provisions  
Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart A**

**Item 26.1:**

This emission source is subject to the applicable general provisions of 40 CFR 60. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 27: Compliance Certification  
Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.13(i)(2), NSPS Subpart A**

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**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator may delay the performance test required by 40 CFR 60.5205(a) for an incinerator that is not anticipated to be operated for a period greater than 180 days. The facility owner or operator shall conduct a performance test within 180 days of resuming operation of the incinerator. The performance test shall be conducted in a manner that is consistent with the requirements of 40 CFR 60.5205(a).

Until such time as a performance test is completed, the facility owner or operator shall demonstrate compliance with the operating parameter limits for that incinerator that were established during the most recent performance test that demonstrated compliance with the emission standards contained in this permit.

The facility owner or operator shall submit written notification to the Department indicating the intent to switch incinerators at least 15 days in advance of the anticipated change over date. The notification shall include the operating limits that will be used to demonstrate compliance with the requirements of this permit and the date of the performance test required by this condition, if known.

In the event that the facility owner or operator must switch incinerators due to a malfunction or emergency situation, the facility owner or operator shall notify the Department of the switch within two working days. Such notification shall include a description of the cause of the malfunction or emergency, if known. If the cause is not known at the time of notification, the facility owner or operator shall submit an updated report to the Department once a cause has been determined. The facility owner or operator shall comply with the operating and testing provisions of this condition immediately following the switch.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

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**Condition 28: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5130, Subpart MMMM**

**Item 28.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The operator of a Sewage Sludge Incineration (SSI) unit must be fully trained and certified as described in 40 CFR 60.5130. A SSI unit cannot be operated unless a fully trained and qualified SSI unit operator is on-site or able to be at the facility within 1 hour. A trained and qualified SSI unit operator may operate the SSI unit directly or be the direct supervisor of one or more other plant personnel who operate the unit.

In order to be fully trained and qualified, the operator must successfully complete a Department approved training course and maintain that training through Department approved annual refresher courses.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 29: Certification Schedule - Dates**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5135, Subpart MMMM**

**Item 29.1:**

The operator of a Sewage Sludge Incineration (SSI) unit must complete the operator training course by the later of the following dates:

(a) The final compliance date; or

(b) Six months after the date of SSI unit start-up; or

(c) Six months after the operator assumes responsibility for operating the SSI unit or assumes responsibility for supervising the operation of the SSI unit.

**Condition 30: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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**Applicable Federal Requirement:40CFR 60.5235(c), NSPS Subpart M**

**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:

The owner or operator of a Sewage Sludge Incineration (SSI) unit must submit an annual compliance report to the Department. Each such report shall contain the information listed in 40 CFR 60.5235(c), as applicable. Annual compliance reports developed pursuant to this condition shall be submitted to the Department no later than 12 months from the date of the previous report.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 31: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5235(d), NSPS Subpart M**

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a Sewage Sludge Incineration (SSI) unit must submit a deviation report to the Department if:

(i) Any recorded operating parameter level, based on the averaging time specified in Table 4 of 40 CFR 60 Subpart M, is above the maximum operating limit or below the minimum operating limit;

(ii) The bag leak detection system alarm sounds for more than 5 percent of the operating time for the 6-month reporting period;

(iii) Any recorded 24-hour block average emissions level

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is above the emission limit, if a continuous monitoring system is used to comply with an emission limit;

(iv) There are visible emissions of combustion ash from an ash conveying system for more than 5 percent of the hourly observation period;

(v) A performance test was conducted that deviated from any emission limit in Table 2 or Table 3 of 40 CFR 60 Subpart M; or

(vi) A continuous monitoring system was out of control; or

(vii) The facility had a malfunction that caused or may have caused any applicable emission limit to be exceeded.

Each deviation report prepared pursuant to this condition must contain the information specified in 40 CFR 60.5235(d), as applicable.

Deviation reports must be submitted by August 1 of that year for data collected during the first half of the calendar year (January 1 to June 30), and by February 1 of the following year for data collected during the second half of the calendar year (July 1 to December 31).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 32: Applicability**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 63, Subpart ZZZZ**

**Item 32.1:**

Facilities that have reciprocating internal combustion engines must comply with applicable portions of 40 CFR 63 subpart ZZZZ.

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

**Condition 33: Emission Point Definition By Emission Unit**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 33.1:**

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

Emission Unit: 1-SSISP

Emission Point: 00001

Height (ft.): 80 Diameter (in.): 31  
 NYTMN (km.): 4720.462 NYTME (km.): 601.697 Building: SOLIDS

Emission Point: 00002

Height (ft.): 80 Diameter (in.): 31  
 NYTMN (km.): 4720.454 NYTME (km.): 601.693 Building: SOLIDS

**Condition 34: Process Definition By Emission Unit  
 Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 34.1:**

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

Emission Unit: 1-SSISP

Process: INC Source Classification Code: 5-01-005-15

Process Description:

Incineration of sewage sludge in two multiple hearth furnaces. Only one unit (either MHF01 or MHF02) is operated at any given time.

Emission Source/Control: MIST1 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: MIST2 - Control

Control Type: MIST ELIMINATOR

Emission Source/Control: VSCR1 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: VSCR2 - Control

Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: MHF01 - Incinerator

Design Capacity: 4,626 tons per year

Waste Feed Method: CHUTE FED

Waste Type: SEWAGE SLUDGE

Emission Source/Control: MHF02 - Incinerator

Design Capacity: 4,626 tons per year

Waste Feed Method: CHUTE FED

Waste Type: SEWAGE SLUDGE

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**Condition 35: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5155, Subpart M**

**Item 35.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a Sewage Sludge Incineration (SSI) unit must meet the criteria in paragraph (a) or (b) below during periods when a qualified operator is not accessible:

(a) If a qualified operator is not accessible for more than 8 hours, the SSI unit may be operated for less than 2 weeks by other plant personnel who are familiar with the operation of the SSI unit and who have completed a review of the information specified in 40 CFR 60.5160 within the past 12 months. The facility must maintain a record of the period when a qualified operator was not accessible and include this deviation in their annual report as specified under 40 CFR 60.5235(d).

(b) If a qualified operator will not be accessible for 2 weeks or more, the facility must:

- (1) Notify the Department of this deviation in writing within 10 days. In the notice, state what caused this deviation, what the facility is doing to ensure that a qualified operator is accessible, and when they anticipate that a qualified operator will be accessible; and
- (2) Submit a status report to the Department every 4 weeks outlining what the facility is doing to ensure that a qualified operator is accessible, stating when the facility anticipate that a qualified operator will be accessible, and requesting approval from the Department to continue operation of the SSI unit. The facility must submit the first status report 4 weeks after the Department was first notified of the deviation.

If the Department notifies the facility that their request to continue operation of the SSI unit is disapproved, the SSI unit may continue operation for 30 days, and then must cease operation.



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Operation of the unit may resume if a qualified operator is accessible. The facility must notify the Department within 5 days of having resumed operations and of having a qualified operator accessible.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 36: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5165, Subpart M**

**Item 36.1:**  
 The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

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

**Item 36.2:**  
 Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of cadmium do not exceed 0.095 milligrams per dry standard cubic meter (corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a sample with a minimum volume of 1.0 dry standard cubic meters. In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 0.095 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Reference Test Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 37: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5165, Subpart M**

**Item 37.1:**  
 The Compliance Certification activity will be performed for:

Permit ID: 4-0101-00020/00012

Facility DEC ID: 4010100020

Emission Unit: 1-SSISP

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of carbon monoxide do not exceed 3,800 parts per million by volume (dry corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a sample for a minimum of one hour. In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 3,800 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Reference Test Method 10, 10A or 10B

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 38: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5165, Subpart M**

**Item 38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):

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

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of dioxins and furans on a toxic equivalency basis do not exceed 0.32 nanograms per dry standard cubic meter (corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a minimum sample volume of one dry standard cubic meter. In order to demonstrate

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Facility DEC ID: 4010100020

compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 0.32 nanograms per dry standard cubic meter (corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Reference Test Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 39: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5165, Subpart M**

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):

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

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of dioxins and furans on a total mass basis do not exceed 5.0 nanograms per dry standard cubic meter (corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a minimum sample volume of one dry standard cubic meter. In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 5.0 nanograms per dry standard cubic meter (corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Reference Test Method 23

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 40: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

Permit ID: 4-0101-00020/00012

Facility DEC ID: 4010100020

**Applicable Federal Requirement:40CFR 60.5165, Subpart M**

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

**Item 40.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility owner or operator shall ensure that fugitive emissions of combustion ash from an ash handling system (including conveyor transfer points) are not visible for more than five percent of each hourly observation period. Visible emissions readings must be conducted over three 1-hour observation periods in order to demonstrate compliance with this condition.

Parameter Monitored: VISIBLE EMISSIONS

Upper Permit Limit: 5 percent

Reference Test Method: EPA Reference Test Method 22

Monitoring Frequency: ANNUALLY

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

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 41: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5165, Subpart M**

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of hydrogen chloride do not exceed 1.2 parts per million by volume (dry corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a minimum

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sample volume of 200 liters (if using Method 26) or one dry standard cubic meter (if using Method 26A). In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 1.2 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Reference Test Method 26 or 26A

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 42: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5165, Subpart M**

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

**Item 42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of lead do not exceed 0.30 milligrams per dry standard cubic meter (corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a minimum sample volume of one dry standard cubic meter. In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 0.30 milligrams per dry standard  
cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Reference Test Method 29

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Permit ID: 4-0101-00020/00012

Facility DEC ID: 4010100020

**Condition 43: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5165, Subpart MMMM**

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of mercury do not exceed 0.28 milligrams per dry standard cubic meter (corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a minimum sample volume of one dry standard cubic meter (if using Method 29) or a minimum sample as described in the test method (if using Method 30B). In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 0.28 milligrams per dry standard  
cubic meter (corrected to 7% oxygen)

Reference Test Method: EPA Reference Test Method 29 or 30B

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 44: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5165, Subpart MMMM**

**Item 44.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):

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

**Item 44.2:**

Permit ID: 4-0101-00020/00012

Facility DEC ID: 4010100020

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of oxides of nitrogen do not exceed 220 parts per million by volume (dry corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a sample for a minimum of one hour. In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 220 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Reference Test Method 7 or 7E

Monitoring Frequency: ANNUALLY

Averaging Method: ARITHMETIC MEAN

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 45: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5165, Subpart M**

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of particulate matter do not exceed 80 milligrams per dry standard cubic meter (corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a minimum sample volume of 0.75 dry standard cubic meter. In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

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Upper Permit Limit: 80 milligrams per dry standard cubic meter (corrected to 7% oxygen)  
 Reference Test Method: EPA Reference Test Method 5, 26A or 29  
 Monitoring Frequency: ANNUALLY  
 Averaging Method: ARITHMETIC MEAN  
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 46: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5165, Subpart MMMM**

**Item 46.1:**  
 The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

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

**Item 46.2:**  
 Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator must ensure that emissions of sulfur dioxide do not exceed 26 parts per million by volume (dry corrected to 7% oxygen) as an average of 3 stack test runs. Each test run must collect a minimum sample volume of 200 liters (if using Method 6) or a minimum duration of one hour (if using Method 6C). In order to demonstrate compliance with this limit, the facility owner or operator shall conduct a stack test, as described in 40 CFR 60.5220, on an annual basis. Annual testing must be conducted at least 11 months but not more than 13 months from the previous test as described in 40 CFR 60.5205(a).

Upper Permit Limit: 26 parts per million by volume (dry, corrected to 7% O<sub>2</sub>)  
 Reference Test Method: EPA Reference Test Method 6 or 6C  
 Monitoring Frequency: ANNUALLY  
 Averaging Method: ARITHMETIC MEAN  
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 47: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5170(f), NSPS Subpart MMMM**

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



Permit ID: 4-0101-00020/00012

Facility DEC ID: 4010100020

Emission Unit: 1-SSISP

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must continuously monitor and record the feed rate of sewage sludge to the Sewage Sludge Incineration (SSI) unit and calculate a 24-hour average for all hours of operation. The facility owner or operator shall maintain a record of each daily average feed rate calculated pursuant to this condition at the facility for a period of at least five years. Such records must be made available to the Department upon request.

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 48: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5170(f), NSPS Subpart M**

**Item 48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

**Item 48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must maintain a record of the daily average moisture content of sewage sludge fed to the Sewage Sludge Incineration (SSI) unit. In order to demonstrate compliance with this condition, the facility owner or operator must take at least one grab sample per day of the sewage sludge fed to the SSI unit and calculate its moisture content. If more than one sample is taken, the facility owner or operator shall calculate the daily average of the samples.

The facility owner or operator shall maintain a record of each daily average moisture content calculated pursuant to

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this condition at the facility for a period of at least five years. Such records must be made available to the Department upon request.

Monitoring Frequency: DAILY

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 49: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5200, Subpart M**

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a Sewage Sludge Incineration (SSI) unit must develop and implement a site-specific monitoring plan as described in 40 CFR 60.5200. Such a plan must contain the following information at a minimum:

(a) The elements and requirements specified in 40 CFR 60.5200(a), as applicable, for each continuous monitoring system installed at the facility.

(b) A description of the items listed in 40 CFR 60.5200(b) if a bag leak detection system is used.

(c) Provisions for conducting an initial performance evaluation of each continuous monitoring system and bag leak detection system, as applicable, in accordance with the monitoring plan and the requirements of 40 CFR 60.13(c). Each such performance evaluation shall be conducted within 60 days of the installation of the monitoring system.

(d) Specification of the operating procedures for the ash handling system that the facility owner or operator will follow to meet the fugitive emissions limitation in Subpart M.

Monitoring plans developed pursuant to this condition must be submitted to the Department at least 60 days prior to

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the initial performance evaluation of the continuous monitoring systems and at least 60 days in advance of the initial compliance date.

The facility owner or operator must update and resubmit the monitoring plan if there are any changes or potential changes in the monitoring procedures or processes used at the facility (as defined in 40 CFR 60.5250).

The monitoring plan developed pursuant to this condition, including any changes, must be maintained on site, and must be provided to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 50: Performance Testing**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5205, Subpart M**

**Item 50.1:**

This Condition applies to Emission Unit: 1-SSISP

**Item 50.2:**

The facility owner or operator must demonstrate initial and continuous compliance with the emission limits and standards specified in this permit. Continuous compliance is demonstrated using an initial performance test and subsequent performance tests for each pollutant on an annual basis (between 11 and 13 calendar months following the previous performance test). Each performance test must be conducted using the test methods, averaging methods, and minimum sampling volumes or durations as specified for each pollutant in this permit, and according to the testing, monitoring, and calibration requirements specified in 40 CFR 60.5220(a).

The facility owner or operator must repeat the performance test within 60 days of a significant permit revision involving a process change as described in 40 CFR 60.5250.

The facility owner or operator may conduct a repeat performance test at any time to establish new values for the operating limits. If successful, the new operating limits will apply from that point forward.

The Department reserves the right to request a repeat performance test at any time.

**Condition 51: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

Permit ID: 4-0101-00020/00012

Facility DEC ID: 4010100020

**Applicable Federal Requirement:40CFR 60.5205(a)(3), Subpart M**

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator may reduce the frequency of performance testing for a given pollutant as follows:

(1) If the results of the performance test for at least 2 consecutive years demonstrate that emissions are at or below 75 percent of the specified emission limit, and there have been no changes in the operation of the SSI unit or air pollution control equipment that could increase emissions, the facility owner or operator does not have to conduct a performance test for that pollutant for the next 2 years. The facility owner or operator must conduct a performance test during the third year (no more than 37 months from the previous performance test).

(2) If the SSI unit continues to meet the emission limit for the pollutant, the facility may choose to continue conducting performance tests for the pollutant every third year (no more than 37 months from the previous performance test) if emissions remain at or below 75 percent of the emission limit, and no changes are made to the operation of the affected source or air pollution control equipment that could increase emissions.

(3) If a performance test shows emissions exceeded 75 percent of the emission limit for a pollutant, the facility must resume conducting annual performance tests for that pollutant until all performance tests over 2 consecutive years demonstrate compliance.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 52: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5215, Subpart M**

Permit ID: 4-0101-00020/00012

Facility DEC ID: 4010100020

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must conduct an annual inspection of each air pollution control device used to comply with their emission limits. Each inspection must be conducted no later than 12 months following a previous annual air pollution control device inspection.

All necessary repairs must be completed within 10 operating days following an air pollution control device inspection unless the facility obtains written approval from the Department establishing an alternative date for the completion of repairs.

The facility owner or operator must maintain a record of each annual air pollution control device inspection. Each record must include a description of any repairs that were made to the air pollution control device, including the date each repair was completed, and a description of any repairs that were not completed within 10 days following the inspection. Records kept pursuant to this condition must be maintained at the facility for a period of at least five years, and must be made available to the Department upon request.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 53: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5225(a)(1), NSPS Subpart M**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Permit ID: 4-0101-00020/00012

Facility DEC ID: 4010100020

The facility owner or operator must install, operate, calibrate, and maintain the continuous parameter monitoring systems according to the following requirements for each flow, pressure, pH, and operating temperature measurement device.

(i) The facility owner or operator must collect data using the continuous monitoring system at all times the sewage sludge incinerator is operating and at the intervals specified in paragraph (ii) below, except for periods of monitoring system malfunctions that occur during periods specified in 40 CFR 60.5200(a)(7)(i), repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments). Any such periods that you do not collect data using the continuous monitoring system constitute a deviation from the monitoring requirements and must be reported in the semiannual deviation report.

(ii) The facility owner or operator must collect continuous parameter monitoring system data in accordance with 40 CFR 60.13(e)(2).

(iii) Any data collected during monitoring system malfunctions, repairs associated with monitoring system malfunctions, or required monitoring system quality assurance or control activities must not be included in calculations used to report emissions or operating levels. Any such periods must be reported in your semiannual deviation report.

(iv) Any data collected during periods when the monitoring system is out of control as specified in 40 CFR 60.5200(a)(7)(i) must not be included in calculations used to report emissions or operating levels. Any such periods that do not coincide with a monitoring system malfunction, as defined in 40 CFR 60.5250, constitute a deviation from the monitoring requirements and must be reported in the semiannual deviation report.

(v) The facility owner or operator must use all the data collected during all periods except those periods specified in paragraphs (iii) and (iv) above in assessing the operation of the control device and associated control system.

(vi) Record the results of each inspection, calibration, and validation check.

In addition, the facility owner or operator must operate

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and maintain the continuous monitoring system in accordance with the monitoring plan required by 40 CFR 60.4880.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 54: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5230, Subpart M**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must maintain the following records in an easily accessible location at the facility, as applicable:

1. Copies of the facility's final control plan and any additional notifications submitted pursuant to 40 CFR 60.5235;
2. Documentation of the operator training procedures and records as specified in 40 CFR 63.5230(c);
3. Records of the results of initial and annual air pollution control device inspections conducted as specified in 40 CFR 60.5195 and 60.5220(c), including any required maintenance and any repairs not completed within 10 days of an inspection or the time frame established by the Department;
4. A record of each performance test, as specified in 40 CFR 60.5230;
5. Records of continuous monitoring data, where applicable, as specified in 40 CFR 60.5230(f);
6. Other records for continuous monitoring systems, where applicable, as specified in 40 CFR 60.5230(g);

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7. Records of any deviation reports submitted under 40 CFR 60.5235(e) and (f);

8. Equipment specifications and related operation and maintenance requirements received from vendors for the incinerator, emission controls, and monitoring equipment;

9. Records of inspections, calibration, and validation checks of any monitoring devices as required under 40 CFR 60.5220 and 60.5225;

10. Records of the monitoring plans required under 40 CFR 60.5200, and records of performance evaluations required under 40 CFR 60.5205(b)(5);

11. If the facility owner or operator elects to conduct performance tests less frequently than annually as described in 40 CFR 60.5205(a)(3), annual records that document that the facility's emissions in the two previous consecutive years were at or below 75 percent of the applicable emission limit in Table 1 or 2 of 40 CFR 60 Subpart M, and document that there were no changes in source operations or air pollution control equipment that would cause emissions of the relevant pollutant to increase within the past 2 years;

12. Records indicating use of the bypass stack, where applicable, including dates, times, and durations as required under 40 CFR 60.5225(d); and

13. If a malfunction occurs, a record of the information submitted in the facility's annual report in 40 CFR 60.5235(c)(16).

Records kept pursuant to this condition must be maintained at the facility for a period of at least five years, and must be made available to the Department upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 55: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5230, Subpart M**

**Item 55.1:**

The Compliance Certification activity will be performed for:



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Facility DEC ID: 4010100020

Emission Unit: 1-SSISP

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility owner or operator must maintain the following operator training records in an easily accessible location at the facility at all times:

(1) Documentation of the following operator training procedures and information:

(i) A summary of the applicable standards under 40 CFR 60 Subpart MMMM;

(ii) Procedures for receiving, handling, and feeding sewage sludge;

(iii) Incinerator start up, shutdown, and malfunction preventative and corrective procedures;

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

(v) Procedures for operating the incinerator and associated air pollution control devices within the standards established under 40 CFR 60 Subpart MMMM;

(vi) Monitoring procedures for demonstrating compliance with the incinerator operating limits;

(vii) Reporting and record keeping procedures;

(viii) Procedures for handling ash;

(ix) A list of materials burned during the performance test, if in addition to sewage sludge; and

(x) For each qualified operator and other plant personnel who may operate the unit according to the provisions of 40 CFR 60.5155(a), the phone and/or pager number at which they can be reached during operating hours.

(2) Records showing the names of SSI unit operators and other plant personnel who may operate the SSI unit, as follows:

(i) Records showing the names of SSI unit operators and other plant personnel who have completed review of the information described in paragraph (1) above, including the date of initial review and each subsequent review: and

(ii) Records showing the names of SSI unit operators who have completed the training described in 40 CFR 60.5130, met the criteria for qualification under 40 CFR 60.5140, and maintained or renewed their certification under 40 CFR 60.5145 or 60.5150. Such records must include documentation of training, including the date of initial

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qualification and all subsequent renewals of qualification.

Records kept pursuant to this condition must be made available to the Department upon request.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2021.  
Subsequent reports are due every 6 calendar month(s).

**Condition 56: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 61.32(a), NESHAP Subpart C**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):  
CAS No: 007440-41-7 BERYLLIUM

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall not cause or allow emissions of Beryllium in excess of 10 grams (0.022 pounds) over a 24-hour period, except as provided in 40 CFR 61.32(b).

The facility owner or operator shall determine compliance with this emission limit by conducting periodic testing as described in 40 CFR 61.33.

Records of emission test results and other data needed to determine total emissions shall be retained at the facility for a period of at least two years, and must be made available to the Department upon request.

Upper Permit Limit: 10 grams per day  
Reference Test Method: EPA Reference Test Method 104 or 29  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: Arithmetic average of stack test runs  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2021.  
Subsequent reports are due every 6 calendar month(s).

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**Condition 57: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 61.52(b), NESHAP Subpart E**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Regulated Contaminant(s):

CAS No: 007439-97-6      MERCURY

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility owner or operator shall not cause or allow emissions of mercury in excess of 3.2 kilograms (7.1 pounds) over a 24-hour period.

The facility owner or operator shall determine compliance with this emission limit by conducting periodic testing as described in 40 CFR 61.53(d).

Records of emission test results and other data needed to determine total emissions shall be retained at the facility for a period of at least two years, and must be made available to the Department upon request.

Upper Permit Limit: 3.2 kilograms per day

Reference Test Method: EPA Reference Test Method 101A or 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: Arithmetic average of stack test runs

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

**Condition 58: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5210, Subpart MMMM**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Process: INC

Emission Source: MHF01

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**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner or operator shall continuously monitor and record the temperature in the combustion zone (Hearths 3 and 4) and ensure that the 12-hour block average temperature is above the minimum temperature specified below at all times sewage sludge is in the combustion zone.

The continuous monitoring system shall be designed and operated in such a way as a temperature reading is recorded once every 15 minutes. Each set of four 15-minute temperature readings shall be averaged into a single 1-hour block average. Each set of 12 1-hour averages shall be averaged into a single 12-hour block average temperature and used to demonstrate compliance with this requirement.

A 12-hour block average below the minimum combustion chamber temperature specified in this condition constitutes a deviation from this requirement. The facility owner or operator shall prepare and submit a report to the Department containing the date, time, recorded temperature, cause of the deviation, and a summary of any corrective action taken on a semiannual basis.

The facility owner or operator shall maintain a record of the data necessary to calculate each 12-hour block average. Each such record shall include the date and time the incinerator was started, the date and time the incinerator was shut down, and a description of any deviations and the corrective action taken to resolve them. The facility owner or operator shall also maintain a record of each deviation report submitted to the Department. Such records must be maintained at the facility for a period of at least five years, and must be made available to the Department upon request.

Manufacturer Name/Model Number: Type K Thermocouple

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1264 degrees Fahrenheit

Reference Test Method: 40 CFR 60 Appendix F

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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The initial report is due 1/30/2021.  
Subsequent reports are due every 6 calendar month(s).

**Condition 59: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5210, Subpart M**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Process: INC

Emission Source: MHF02

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner or operator shall continuously monitor and record the temperature in the combustion zone (Hearths 3 and 4) and ensure that the 12-hour block average temperature is above the minimum temperature specified below at all times sewage sludge is in the combustion zone.

The continuous monitoring system shall be designed and operated in such a way as a temperature reading is recorded once every 15 minutes. Each set of four 15-minute temperature readings shall be averaged into a single 1-hour block average. Each set of 12 1-hour averages shall be averaged into a single 12-hour block average temperature and used to demonstrate compliance with this requirement.

A 12-hour block average below the minimum combustion chamber temperature specified in this condition constitutes a deviation from this requirement. The facility owner or operator shall prepare and submit a report to the Department containing the date, time, recorded temperature, cause of the deviation, and a summary of any corrective action taken on a semiannual basis.

The facility owner or operator shall maintain a record of the data necessary to calculate each 12-hour block average. Each such record shall include the date and time the incinerator was started, the date and time the incinerator was shut down, and a description of any deviations and the corrective action taken to resolve them. The facility owner or operator shall also maintain a record of each deviation report submitted to the

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Department. Such records must be maintained at the facility for a period of at least five years, and must be made available to the Department upon request.

Manufacturer Name/Model Number: Type K Thermocouple  
Parameter Monitored: TEMPERATURE  
Lower Permit Limit: 1353 degrees Fahrenheit  
Reference Test Method: 40 CFR 60 Appendix F  
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 1/30/2021.  
Subsequent reports are due every 6 calendar month(s).

**Condition 60: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5210, Subpart M**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Process: INC

Emission Source: VSCR1

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner or operator shall continuously monitor and record the pressure drop across the wet scrubber and ensure that the 12-hour block average pressure drop is above the minimum pressure drop specified below.

The continuous monitoring system shall be designed and operated in such a way as a pressure drop reading is recorded once every 15 minutes. Each set of four 15-minute readings shall be averaged into a single 1-hour block average. Each set of twelve 1-hour averages shall be averaged into a single 12-hour block average pressure drop and used to demonstrate compliance with this condition.

Each 12-hour average pressure drop that is below the minimum pressure drop specified in this condition constitutes a deviation from this condition. The facility owner or operator shall prepare and submit a report to the Department containing the date, time, recorded pressure drop, cause of the deviation, and a summary of any

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corrective action taken on a semiannual basis.

The facility owner or operator shall maintain a record of the data necessary to calculate each 12-hour block average and of each deviation report at the facility for a period of at least five years. Such records must be made available to the Department upon request.

Manufacturer Name/Model Number: Rosemount 3051  
Parameter Monitored: PRESSURE DROP  
Lower Permit Limit: 19.7 inches of water  
Reference Test Method: 40 CFR 60 Appendix F  
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 1/30/2021.  
Subsequent reports are due every 6 calendar month(s).

**Condition 61: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5210, Subpart M**

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Process: INC

Emission Source: VSCR1

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner or operator shall continuously monitor and record the wet scrubber liquid pH and ensure that the 3-hour block average pH is above the minimum pH specified below.

The continuous monitoring system shall be designed and operated in such a way as a pH reading is recorded once every 15 minutes. Each set of four 15-minute readings shall be averaged into a single 1-hour block average. Each set of three 1-hour averages shall be averaged into a single 3-hour block average pH and used to demonstrate compliance with this condition.

Each 3-hour average pH that is below the minimum pH specified in this condition constitutes a deviation from this condition. The facility owner or operator shall

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prepare and submit a report to the Department containing the date, time, recorded pH, cause of the deviation, and a summary of any corrective action taken on a semiannual basis.

The facility owner or operator shall maintain a record of the data necessary to calculate each 3-hour block average and of each deviation report at the facility for a period of at least five years. Such records must be made available to the Department upon request.

Manufacturer Name/Model Number: Orbipac CPF81D-7LH21 Memosens

Parameter Monitored: PH

Lower Permit Limit: 4.5 pH (STANDARD) units

Reference Test Method: 40 CFR 60 Appendix F

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 1/30/2021.

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

**Condition 62: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement:40CFR 60.5210, Subpart MMMM**

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Process: INC

Emission Source: VSCR1

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner or operator shall continuously monitor and record the wet scrubber liquid flow rate and ensure that the 12-hour block average flow rate is above the minimum flow rate specified below.

The continuous monitoring system shall be designed and operated in such a way as a flow rate reading is recorded once every 15 minutes. Each set of four 15-minute readings shall be averaged into a single 1-hour block average. Each set of twelve 1-hour averages shall be averaged into a single 12-hour block average flow rate and used to demonstrate compliance with this condition.



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Each 12-hour average flow rate that is below the minimum flow rate specified in this condition constitutes a deviation from this condition. The facility owner or operator shall prepare and submit a report to the Department containing the date, time, recorded flow rate, cause of the deviation, and a summary of any corrective action taken on a semiannual basis.

The facility owner or operator shall maintain a record of the data necessary to calculate each 12-hour block average and of each deviation report at the facility for a period of at least five years. Such records must be made available to the Department upon request.

Manufacturer Name/Model Number: Rosemount 8732C

Parameter Monitored: FLOW RATE

Lower Permit Limit: 762 gallons per minute

Reference Test Method: 40 CFR 60 Appendix F

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 1/30/2021.

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

**Condition 63: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5210, Subpart M**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Process: INC

Emission Source: VSCR2

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner or operator shall continuously monitor and record the pressure drop across the wet scrubber and ensure that the 12-hour block average pressure drop is above the minimum pressure drop specified below.

The continuous monitoring system shall be designed and operated in such a way as a pressure drop reading is recorded once every 15 minutes. Each set of four 15-minute readings shall be averaged into a single 1-hour block average. Each set of twelve 1-hour averages shall be

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averaged into a single 12-hour block average pressure drop and used to demonstrate compliance with this condition.

Each 12-hour average pressure drop that is below the minimum pressure drop specified in this condition constitutes a deviation from this condition. The facility owner or operator shall prepare and submit a report to the Department containing the date, time, recorded pressure drop, cause of the deviation, and a summary of any corrective action taken on a semiannual basis.

The facility owner or operator shall maintain a record of the data necessary to calculate each 12-hour block average and of each deviation report at the facility for a period of at least five years. Such records must be made available to the Department upon request.

Manufacturer Name/Model Number: Rosemount 3051  
Parameter Monitored: PRESSURE DROP  
Lower Permit Limit: 21.6 inches of water  
Reference Test Method: 40 CFR 60 Appendix F  
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 1/30/2021.  
Subsequent reports are due every 6 calendar month(s).

**Condition 64: Compliance Certification**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5210, Subpart M**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Process: INC

Emission Source: VSCR2

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner or operator shall continuously monitor and record the wet scrubber liquid pH and ensure that the 3-hour block average pH is above the minimum pH specified below.

The continuous monitoring system shall be designed and

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operated in such a way as a pH reading is recorded once every 15 minutes. Each set of four 15-minute readings shall be averaged into a single 1-hour block average. Each set of three 1-hour averages shall be averaged into a single 3-hour block average pH and used to demonstrate compliance with this condition.

Each 3-hour average pH that is below the minimum pH specified in this condition constitutes a deviation from this condition. The facility owner or operator shall prepare and submit a report to the Department containing the date, time, recorded pH, cause of the deviation, and a summary of any corrective action taken on a semiannual basis.

The facility owner or operator shall maintain a record of the data necessary to calculate each 3-hour block average and of each deviation report at the facility for a period of at least five years. Such records must be made available to the Department upon request.

Manufacturer Name/Model Number: Orbipac CPF81D-7LH21 Memosens

Parameter Monitored: PH

Lower Permit Limit: 4.5 pH (STANDARD) units

Reference Test Method: 40 CFR 60 Appendix F

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 1/30/2021.

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

**Condition 65: Compliance Certification**

**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable Federal Requirement: 40CFR 60.5210, Subpart M**

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: 1-SSISP

Process: INC

Emission Source: VSCR2

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility owner or operator shall continuously monitor and record the wet scrubber liquid flow rate and ensure that the 12-hour block average flow rate is above the

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minimum flow rate specified below.

The continuous monitoring system shall be designed and operated in such a way as a flow rate reading is recorded once every 15 minutes. Each set of four 15-minute readings shall be averaged into a single 1-hour block average. Each set of twelve 1-hour averages shall be averaged into a single 12-hour block average flow rate and used to demonstrate compliance with this condition.

Each 12-hour average flow rate that is below the minimum flow rate specified in this condition constitutes a deviation from this condition. The facility owner or operator shall prepare and submit a report to the Department containing the date, time, recorded flow rate, cause of the deviation, and a summary of any corrective action taken on a semiannual basis.

The facility owner or operator shall maintain a record of the data necessary to calculate each 12-hour block average and of each deviation report at the facility for a period of at least five years. Such records must be made available to the Department upon request.

Manufacturer Name/Model Number: Rosemount 8732C

Parameter Monitored: FLOW RATE

Lower Permit Limit: 745 gallons per minute

Reference Test Method: 40 CFR 60 Appendix F

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 1/30/2021.

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

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**STATE ONLY ENFORCEABLE CONDITIONS**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

An emergency, as defined 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 66: Contaminant List**

**Effective between the dates of 12/04/2020 and 12/03/2025**

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

**Item 66.1:**

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

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

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

CAS No: 007439-92-1  
Name: LEAD

CAS No: 007439-97-6  
Name: MERCURY

CAS No: 007440-41-7  
Name: BERYLLIUM

CAS No: 007440-43-9  
Name: CADMIUM

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

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

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

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

**Condition 67: Malfunctions and start-up/shutdown activities**  
**Effective between the dates of 12/04/2020 and 12/03/2025**

**Applicable State Requirement: 6 NYCRR 201-1.4**

**Item 67.1:**

(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.

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