

Facility DEC ID: 7034800027

PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 7-0348-00027/00022
Effective Date: 05/05/2020 Expiration Date: 05/04/2030

Permit Issued To: STATE UNIVERSITY OF NEW YORK
STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246

Contact: SANDY S DE JOHN
SUNY AT BINGHAMTON
PO BOX 6000
BINGHAMTON, NY 13902-6000
(607) 777-4017

Facility: SUNY AT BINGHAMTON
4400 VESTAL PKWY E
BINGHAMTON, NY 13902

Description:
State Facility Permit will replace expiring Title V 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: ELIZABETH A TRACY
615 ERIE BLVD W
SYRACUSE, NY 13204-2400

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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Facility Level

- 5 5 Submission of application for permit modification or renewal-REGION 7 SUBOFFICE - CORTLAND

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DEC GENERAL CONDITIONS
****** General Provisions ******
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 submitted prior to actual transfer of ownership.

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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 7
SUBOFFICE - CORTLAND
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 7 Sub-office
Division of Environmental Permits
1285 Fisher Avenue
Cortland, NY 13045-1090
(607) 753-3095

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ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246

Facility: SUNY AT BINGHAMTON
4400 VESTAL PKWY E
BINGHAMTON, NY 13902

Authorized Activity By Standard Industrial Classification Code:
8221 - COLLEGES AND UNIVERSITIES, NEC

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Permit Expiration Date: 05/04/2030

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FEDERALLY ENFORCEABLE CONDITIONS

FINAL

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6 NYCRR 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6 NYCRR 200.6

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

Item C: Maintenance of Equipment - 6 NYCRR 200.7

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,

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required to operate such device effectively.

Item D: Unpermitted Emission Sources - 6 NYCRR 201-1.2

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Recycling and Salvage - 6 NYCRR 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item F: Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8

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.

Item G: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request.

Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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.

Item H: Proof of Eligibility for Sources Defined as Trivial

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Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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.

Item I: Required Emission Tests - 6 NYCRR 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item J: Open Fires Prohibitions - 6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

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)

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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.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 2: Open Fires - Prohibitions
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 215.2

Item 2.1:

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 2.2

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

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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.

Condition 3: Maintenance of Equipment
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 200.7

Item 3.1:

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 4: Recycling and Salvage
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 4.1:

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 5: Prohibition of Reintroduction of Collected Contaminants to the air

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Applicable Federal Requirement:6 NYCRR 201-1.8**Item 5.1:**

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 6: Exempt Sources - Proof of Eligibility

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)**Item 6.1:**

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

Condition 7: Trivial Sources - Proof of Eligibility

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)**Item 7.1:**

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 8: Required Emissions Tests

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 202-1.1**Item 8.1:**

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 9: Accidental release provisions.

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:40 CFR Part 68**Item 9.1:**

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

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

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

Condition 10: Recycling and Emissions Reduction
 Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:40CFR 82, Subpart F

Item 10.1:
 The permittee shall comply with all applicable provisions of 40 CFR Part 82.

Condition 11: Visible Emissions Limited
 Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 211.2

Item 11.1:
 Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 12: Compliance Demonstration
 Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:6 NYCRR 225-1.2

Item 12.1:
 The Compliance Demonstration activity will be performed for the Facility.

Item 12.2:
 Compliance Demonstration shall include the following monitoring:

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Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The facility uses only small amounts of fuel oil. This regulation limits the amount of sulfur allowed in the fuel oil. Because the fuel oil used by the facility is required, by specification, to contain sulfur at or below the allowable limit, the owner or operator shall be required to demonstrate compliance upon the request of the DEC.

No person will sell, offer for sale, purchase, or fire any fuel which exceeds the sulfur-in-fuel limitations stated below.

1. Owners and/or operators of any stationary combustion installation that fires distillate oil including number two heating oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less.
2. Owners and/or operators of any stationary combustion installation that fires waste oil on or after July 1, 2014 are limited to the firing of waste oil with 0.75 percent sulfur by weight or less.
3. Compliance shall be determined using fuel supplier certifications received each delivery.
4. The owner or operator shall submit to the DEC a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedance takes place. A report is not required if there is no exceedance.
5. All records must be maintained at the facility for a minimum of five years.
6. On a semiannual basis, the owner or operator shall submit to the DEC a report stating whether the facility complied with this condition.

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

Reference Test Method: Fuel supplier certification

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY

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TIME (INSTANTANEOUS/DISCRETE OR GRAB)
 Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Compliance Demonstration
 Effective between the dates of 05/05/2020 and 05/04/2030

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

Item 13.1:

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

Emission Unit: U--0023

Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

HTHWG Units 2 and 3 combust gas and wood. Wood sulfur content, while subject to this rule, is much lower than the limits in 6 NYCRR 225.

Owners and/or operators of any stationary combustion installation that fires solid fuel are limited to the firing of solid fuel with a sulfur content of 2.5 lbs/mmBtu maximum, 1.9 lbs/mmBtu*** average, and 1.7 lbs/mmBtu**** annual average.

*** Averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel received during any consecutive three-month period.

**** Annual averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel received during any consecutive 12-month period.

Wood samples shall taken once every delivery. A composite sample of wood representing 1000 tons of wood delivered shall be analysed for sulfur content. If the sulfur content is less than 1.0 lbs/mmBtu for 6 consecutive months, sampling frequency shall be reduced to once per calendar quarter. If any analysis shows the sulfur content in excess of 1.0 lb/mmBtu, sampling frequency shall be monthly. Quarterly sampling may resume if the sulfur content for 6 consecutive months is less than 1.0 lb/mmBtu.

Upon the request of the Department, the owner or operator

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shall submit to the Department the results of such sampling and analysis.

On an annual basis the owner or operator shall report, in the annual compliance report, whether he or she has complied with this condition.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WOOD

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.5 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

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 14: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

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

Item 14.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U--0023 Emission Point: 0002A

Emission Unit: U--0023 Emission Point: 0003A

Item 14.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. Compliance shall be determined using a Continuous Opacity Monitor meeting 40 CFR Part 60, Appendix B, PS1. The owner or operator shall conduct quarterly opacity audits.

The owner or operator shall submit to the DEC, on a quarterly basis, a report of excess opacity and for each such excess opacity, the date and time when the excess opacity starts and ends, the average magnitude, the cause

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and the corrective action.

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: 40 CFR Part 60, Appendix B, PS 1
 Monitoring Frequency: CONTINUOUS
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: QUARTERLY (CALENDAR)
 Reports due 30 days after the reporting period.
 The initial report is due 7/30/2020.
 Subsequent reports are due every 3 calendar month(s).

Condition 15: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

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

Item 15.1:

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

Emission Unit: U-0001A	Emission Point: 0001A
Emission Unit: U-0004A	Emission Point: 0004A

Item 15.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. Compliance shall be determined using EPA Method 9, conducted at the request of the Department.

Parameter Monitored: OPACITY
 Upper Permit Limit: 20 percent
 Reference Test Method: 40 CFR Part 60, Appendix A, Method 9
 Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
 Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
 Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 16: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:40CFR 60, NSPS Subpart IIII

Item 16.1:

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The Compliance Demonstration activity will be performed for the Facility.

Item 16.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The University owns and operates numerous reciprocating internal combustion engines. The EPA has promulgated Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, found at 40 CFR Part 60, Subpart IIII.

1. Pre-2007 model year emergency ICE with a displacement of less than 10 liters per cylinder, that commenced construction after July 11, 2005 and were manufactured after April 1, 2006 must comply with:

- a. the emission standards of 40 CFR 60.4205(a), Table I;
- b. the fuel requirements of 40 CFR 60.4207(b);
- c. the monitoring requirements of 40 CFR 60.4209(a) and, if equipped with a particulate filter, 40 CFR 60.4209(b);
- d. the compliance requirements of 40 CFR 60.4211(a), (b), (f) and (g),

and appropriate testing and notification requirements.

2. 2007 model year and later emergency ICE with a displacement of less than 30 liters per cylinder, that commenced construction after July 11, 2005 and were manufactured after April 1, 2006 must comply with:

- a. the emission standards of 40 CFR 60.4205(b) and 60.4202;
- b. the fuel requirements of 40 CFR 60.4207(b);
- c. the monitoring requirements of 40 CFR 60.4209(a) and, if equipped with a particulate filter, 40 CFR 60.4209(b);
- d. the compliance requirements of 40 CFR 60.4211(a), (b), (f) and (g),

and appropriate testing and notification requirements.

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3. The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart IIII and the compliance status of each stationary internal combustion engine. The owner or operator shall also develop procedures to determine applicability, and assure compliance, for new purchases, modifications, and reconstructions relevant to stationary internal combustion engines at the facility.

4. Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal combustion engine (e.g. emergency generators and fire pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart IIII. Thereafter, on an annual, calendar year basis, the owner or operator shall certify the compliance status of each subject existing, new, modified, and reconstructed stationary internal combustion engine. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart JJJJ and 40 CFR Part 63, Subpart ZZZZ. The annual reports are due within 30 days after the end of the calendar year.

5. Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

- i. the engine(s) involved in the change meet the definition of "emergency stationary internal combustion engine" in section 60.4219,
- ii. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart IIII;
- iii. the change will not cause the facility to become subject to any additional applicable requirement;
- iv. the change will not cause the facility to be out of compliance with any applicable requirement;
- v. the change will not cause the facility to exceed any emission cap or limit.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 17: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement: 40CFR 60, NSPS Subpart JJJJ

Item 17.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The University owns and operates numerous reciprocating internal combustion engines. The EPA has promulgated Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, found at 40 CFR Part 60, Subpart JJJJ.

1. The owner or operator shall comply with the emission standards of 40 CFR 60.4233, as applicable.
2. The owner or operator shall comply with the fuel use requirements of 40 CFR 60.4235, as applicable.
3. The owner or operator shall comply with the monitoring requirements of 40 CFR 60.4237, as applicable.
4. The owner or operator shall comply with the compliance requirements of 40 CFR 60.4243, as required.
5. You shall comply with the notification requirements of 40 CFR 60.4245, as applicable.
6. The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart JJJJ and the compliance status of each stationary internal combustion engine. The owner or operator shall also develop procedures to determine applicability, and assure compliance, for new purchases, modifications, and reconstructions relevant to stationary internal combustion engines at the facility.
7. Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal

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combustion engine (e.g. emergency generators and fire pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart JJJJ. Thereafter, on an annual, calendar year basis, the owner or operator shall certify the compliance status of each subject existing, new, modified, and reconstructed stationary internal combustion engine. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart ZZZZ. The annual reports are due within 30 days after the end of the calendar year.

8. Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

- i. the engine(s) involved in the change meet the definition of “emergency stationary internal combustion engine” in section 60.4248,
- ii. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart JJJJ;
- iii. the change will not cause the facility to become subject to any additional applicable requirement;
- iv. the change will not cause the facility to be out of compliance with any applicable requirement;
- v. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 18: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement: 40CFR 63, Subpart CCCCCC

Item 18.1:

The Compliance Demonstration activity will be performed for the Facility.

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Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Binghamton University operates a gasoline dispensing facility with a throughput of less than 10,000 gallons per month. The gasoline dispensing facility is subject to 40 CFR Part 63, Subpart CCCCCC.

1. Pursuant to 40 CFR 63.11115(a), the owner or operator must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

2. Pursuant to 40 CFR 63.11125(d), each owner or operator of an affected source under this subpart shall keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment, and of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

3. Pursuant to § 63.11116(a), the owner or operator must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following: (1) Minimize gasoline spills; (2) Clean up spills as expeditiously as practicable; (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

4. The owner or operator shall keep records to demonstrate that the monthly throughput is less than 10,000 gallons. The monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the

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gasoline storage tanks located at a single affected gasoline dispensing facility. If BU has two or more gasoline dispensing facilities at separate locations within the area source, each gasoline dispensing facility is treated as a separate affected source.

On an annual calendar year basis, the owner or operator, in the annual certification, shall state whether he or she has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 19: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:40CFR 63, Subpart JJJJJ

Item 19.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 19.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Binghamton University operates multiple small oil-fired boilers subject to 40 CFR Part 63, Subpart JJJJJ.

The owner or operator must comply with 40 CFR Part 63, Subpart JJJJJ as applicable to individual boilers, included but not limited to notifications, work practice standards, management practice standards, reporting and record retention.

On an annual basis, the owner or operator shall submit to the DEC a statement in the compliance certification whether he or she has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 20: Compliance Demonstration

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Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement: 40CFR 63.11200, Subpart JJJJJJ

Item 20.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 20.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The high temperature hot water generators are designated as belonging to the “biomass subcategory” in 40 CFR Part 63, Subpart JJJJJJ. The biomass subcategory includes any boiler that burns at least 15 percent biomass on an annual heat input basis. “Annual heat input basis” means the heat input for the 12 months preceding the compliance demonstration. For purposes of this condition, in order to be classified as a biomass subcategory boiler, each hot water generator must combust at least 15 percent biomass on a heat input basis for each calendar year.

1. The owner or operator shall monitor and record, on a monthly basis, the amount of each type of fuel burned in each hot water generator, on a Btu-heat input basis.

2. For each annual calendar year period (January 1 to December 31), the owner or operator shall compute the amount of heat input contributed to each hot water generator from biomass, as defined in 40 CFR Part 63, Subpart JJJJJJ.

3. On an annual basis, the owner or operator shall submit, in his or her annual certification, information documenting whether each hot water generator continues to qualify as a biomass unit.

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 15 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: ANNUAL TOTAL

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 21: Compliance Demonstration

Effective between the dates of 05/05/2020 and 05/04/2030

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Applicable Federal Requirement:40CFR 63.11201(b), Subpart JJJJJJ

Item 21.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 21.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The owner or operator must conduct a tune-up of the boiler either biennially or every five years, if equipped with an oxygen trim system in accordance with 40 CFR 63.112233 and Table 2 of 40 CFR Part 63, Subpart JJJJJJ.

2. The tune-up must include the elements in 40 CFR 63.11223(b), as applicable.

3. No later than January 20, 2014, or within 120 days after the source becomes subject to the standard, the owner or operator must submit to the DEC and the EPA a Notification of Compliance Status. The owner or operator is referred to 40 CFR 63.11225.

3. On a calendar year basis, the owner or operator shall submit to the DEC, in his or her annual certification, a notice of whether the tune-up was required and if so, the date the tune-up was completed.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

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

Condition 22: Compliance Demonstration

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:40CFR 63.11225(a), Subpart JJJJJJ

Item 22.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must submit the notifications

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specified in paragraphs (1) through (5) to the administrator.

(1) The owner or operator must submit all of the notifications in 40 CFR 63.7(b); 63.8(e) and (f); and 63.9(b) through (e), (g) and (h) that apply by the dates specified in those sections except as specified in paragraphs (a)(2) and (4) of 40 CFR 63.11225(a).

(2) An Initial Notification must vbe submitted no later than January 20, 2014 or within 120 days after the source becomes subject to the standard.

(3) If the owner or operator is required to conduct a performance stack test he/she must submit a Notification of Intent to conduct a performance test at least 60 days before the performance stack test is scheduled to begin.

(4) The owner or operator must submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in 40 CFR 63.11196 unless he/she must conduct a performance stack test. If the owner or operator must conduct a performance stack test, he/she must submit the Notification of Compliance Status within 60 days of completing the performance stack test. The owner or operator must submit the Notification of Compliance Status in accordance with paragraph (a)(4)(i) and (vi) of 40 CFR 63.11225. The Notification Status must include the information and certification of compliance in paragraphs (a)(4)(i) through (v) of 40 CFR 63.11225, as applicable, and signed by a responsible official.

(i) The owner or operator must submit the information required in 40 CFR 63.9(h)(2), except the information listed in 40 CFR 63.9(h)(2)(i)(B), (D), (E) and (f).

(ii) “This facility complies with the requirements in § 63.11214 to conduct an initial tune-up of the boiler.”

(iii) “This facility has had an energy assessment performed according to § 63.11214(c).”

(iv) Units that install bag leak detection systems: “This facility complies with the requirements in 40 CFR 63.11224(f).”

(v) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean

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Air Act: “No secondary materials that are solid waste were combusted in any affected unit.”

(vi) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to 40 CFR Part 63, Subpart JJJJJ is not available in CEDRI at the time the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in 40 CFR 63.13.

(5) If the owner or operator is using data from a previously conducted emission test to serve as documentation of conformance with the emission standards and operating limits of this subpart he/she must include in the Notification of Compliance Status the date of the test and a summary of the results, not a complete test report, relative to 40 CFR Part 63, Subpart JJJJJ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement: 40CFR 63.11225(b), Subpart JJJJJ

Item 23.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs (1) through (4). The owner or operator must submit the report by March 15 if he/she had any instance described by paragraph (3). For boilers that are subject only to a requirement to conduct a biennial or 5-year tune-up according to 40 CFR 63.11223(a) and not subject to emission limits or operating limits, the owner or operator may prepare only a biennial or 5-year compliance report as specified in paragraphs (1) and (2) of 40 CFR 63.11225(b).

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- (1) Company name and address.
- (2) Statement by a responsible official, with the official’s name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. The notification must include the following certifications of compliance, as applicable, and signed by a responsible official:
 - (i) "This facility complies with the requirements in 40 CFR 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."
 - (ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."
 - (iii) "This facility complies with the requirement in 40 CFR 63.11214(d) and 40 CFR 63.11223(a) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are unavailable."
- (3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.
- (4) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by the owner or operator or EPA through a petition process to be a non-waste under 40 CFR 241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of 40 CFR 241.3, and the total fuel usage amount with units of measure.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

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Applicable Federal Requirement: 40CFR 63.11225(c), Subpart JJJJJ

Item 24.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 24.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must maintain the records specified in paragraphs (1) through (5).

(1) As required in 40 CFR 63.10(b)(2)(xiv), the owner or operator must keep a copy of each notification and report that he/she submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that he/she submitted.

(2) The owner or operator must keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR 63.11214 and 63.11223 as specified in 40 CFR 63.11225(c)(2)(i) through (vi), below.

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(ii) Reserved; not applicable at this time.

(iii) For each boiler required to conduct an energy assessment, you must keep a copy of the energy assessment report.

(iv) Reserved; not applicable at this time.

(v) Reserved; not applicable at this time.

(vi) Reserved; not applicable at this time.

(3) Reserved; not applicable at this time.

(4) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR 63.11205(a), including

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corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(6) Reserved; not applicable at this time.

(7) Reserved; not applicable at this time.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2021.
Subsequent reports are due every 12 calendar month(s).

Condition 25: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement:40CFR 63.11225(d), Subpart JJJJJJ

Item 25.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 25.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must maintain records in a form suitable and readily available for expeditious review. Each record must be kept for 5 years following the date of each recorded action. You must keep each record on-site or be accessible from a central location by computer or other means that instantly provides access at the site for 2 years after the date of each recorded action. The records may be kept off-site for the remaining 3 years.

On an annual basis, in the Title V compliance certification, the owner or operator shall state whether he or she has complied with this requirement.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2021.
Subsequent reports are due every 12 calendar month(s).

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Condition 26: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable Federal Requirement: 40 CFR 63, Subpart ZZZZ

Item 26.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 26.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

This facility has, on site, emergency stationary internal combustion engines.

Pursuant to 40 CFR 63.6585(f)(3), existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 § 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in 40 § 63.6640(f)(4)(ii) do not have to meet the requirements of 40 CFR Part 63, Subpart ZZZZ and of Subpart A, including initial notification requirements.

Pursuant to 40 CFR 63.6590(c), a new or reconstructed stationary RICE located at an area source must meet the requirements of 40 CFR Part 63, Subpart ZZZZ by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR Part 63, Subpart ZZZZ.

1. Each subject stationary internal combustion engine at this facility shall comply with the applicable provisions of 40 CFR Part 60, Subpart ZZZZ.
2. The owner or operator shall determine the applicability of 40 CFR Part 60, Subpart ZZZZ and the compliance status of each stationary internal combustion engine. The owner or operator shall also develop procedures to determine applicability, and assure compliance, for new purchases, modifications, and reconstructions relevant to stationary internal combustion engines at the facility.
3. Within 180 days of the effective date of this permit, the owner or operator shall submit to the DEC a report identifying each potentially subject stationary internal combustion engine (e.g. emergency generators and fire

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pumps), indicating whether the engine is subject and stating whether the facility has complied with 40 CFR Part 60, Subpart ZZZZ. Thereafter, on an annual, calendar year basis, the owner or operator shall certify the compliance status of each subject existing, new, modified, and reconstructed stationary internal combustion engine. This report and annual certifications may be combined with the owner or operator's reports and certifications as required in permit conditions related to 40 CFR Part 60, Subpart IIII and 40 CFR Part 63, Subpart JJJJ. The annual reports are due within 30 days after the end of the calendar year.

4. Permit modifications or preconstruction permits are not required for changes (new engine installations, engine modifications, and engine reconstructions) to emergency stationary internal combustion engines, at this facility, as long as the following conditions are met:

i. the engine(s) involved in the change meet the definition of “emergency stationary RICE” in section 63.6675,

ii. the change will not cause the facility to be out of compliance with this permit condition, the terms of this permit, and/or the provisions of 40 CFR Part 60, Subpart ZZZZ;

iii. the change will not cause the facility to become subject to any additional applicable requirement;

iv. the change will not cause the facility to be out of compliance with any applicable requirement;

v. the change will not cause the facility to exceed any emission cap or limit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2021.

Subsequent reports are due every 12 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: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records.

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

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

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 27: Contaminant List

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable State Requirement: ECL 19-0301

Item 27.1:

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

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

Condition 28: Malfunctions and start-up/shutdown activities

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable State Requirement: 6 NYCRR 201-1.4

Item 28.1:

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

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

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

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

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

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

Condition 29: Emission Unit Definition
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 29.1:

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

Emission Unit: U-0001A

Emission Unit Description:

30 mmBtu/hr coal/gas high temperature hot water generator manufactured by International Boiler Works. The generator is equipped with Detroit Stoker vibra-grate coal stokers.

Building(s): 23

Item 29.2:

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

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

Emission Unit: U-0004A

Emission Unit Description:

70 mmBtu/hr heat input IBW high temperature hot water generator equipped with Detroit Stoker vibra-grate system.

Building(s): 23

Item 29.3:

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

Emission Unit: U-0005A

Emission Unit Description:

One 50 mmBtu/hr flare stack burning propane. The flare is operated for about 15 minutes at start-up, 100 hours/year.

This flare is part of a liquid propane/air standby system capable of supplying 150 mmBtu/hr of LPG/air compatible with the natural gas supply system. Five aqua-blend (WBV 1600V) 30,000 gallon (maintained at 80% capacity) propane tanks act as a backup for emergency campus energy uses.

There are also two flares, rated at 2.24 mmBtu/hr, using propane, that operate from November-April. These flares are exempt combustion devices.

Building(s): 130
23

Item 29.4:

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

Emission Unit: U--0023

Emission Unit Description:

Boilers 2 and 3 with new ESP, existing stacks and new ESP stack.

Building(s): 23

Condition 30: Renewal deadlines for state facility permits
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable State Requirement: 6 NYCRR 201-5.2 (c)

Item 30.1:

The owner or operator of a facility having an issued state facility 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.

Condition 31: Compliance Demonstration
Effective between the dates of 05/05/2020 and 05/04/2030

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 31.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 31.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 7
615 Erie Blvd West
Syracuse, NY 13204

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 32: Air pollution prohibited
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable State Requirement:6 NYCRR 211.1

Item 32.1:

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

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

Condition 33: Emission Point Definition By Emission Unit
Effective between the dates of 05/05/2020 and 05/04/2030

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 33.1:

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

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

Emission Unit: U-0001A

Emission Point: 0001A

Height (ft.): 91 Diameter (in.): 25
 NYTMN (km.): 4660.022 NYTME (km.): 419.732 Building: 23

Item 33.2:

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

Emission Unit: U-0004A

Emission Point: 0004A

Height (ft.): 91 Diameter (in.): 34
 NYTMN (km.): 4660.022 NYTME (km.): 419.7 Building: 23

Item 33.3:

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

Emission Unit: U-0005A

Emission Point: 0005A

Height (ft.): 14 Diameter (in.): 6
 NYTMN (km.): 4660.022 NYTME (km.): 419.7 Building: 130

Item 33.4:

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

Emission Unit: U--0023

Emission Point: 0002A

Height (ft.): 91 Diameter (in.): 34
 NYTMN (km.): 4660.022 NYTME (km.): 419.7 Building: 23

Emission Point: 0003A

Height (ft.): 91 Diameter (in.): 34
 NYTMN (km.): 4660.022 NYTME (km.): 419.7 Building: 23

Emission Point: U2U3X

Height (ft.): 140 Diameter (in.): 48
 NYTMN (km.): 4660.022 NYTME (km.): 419.7 Building: 23

Condition 34: Process Definition By Emission Unit

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 34.1:

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

Emission Unit: U-0001A

Process: 003 Source Classification Code: 1-03-006-02

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

Process Description:

Combustion of natural gas in Unit 1. Water at 360 F and 300 psi.

Emission Source/Control: 1A001 - Combustion
Design Capacity: 35 million Btu per hour

Emission Source/Control: 1A002 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 34.2:

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

Emission Unit: U-0001A
Process: 01P Source Classification Code: 1-03-010-02
Process Description: Combustion of a propane/air mix in Unit 1.

Emission Source/Control: 1A001 - Combustion
Design Capacity: 35 million Btu per hour

Emission Source/Control: 1A002 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 34.3:

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

Emission Unit: U-0001A
Process: OO2 Source Classification Code: 1-03-002-09
Process Description:

PRODUCTION OF CENTRAL SUPPLY OF HTHW FOR
CAMPUS UTILITIES (360 F @ 300PSI) 35
MMBTU/HR. INPUT (DERATED 1995 TO 35
MMBTU/HR.) PRODUCTION OF CENTRAL SUPPLY OF
HTHW FOR CAMPUS UTILITIES (360 F @ 300PSI)
50 MMBTU/HR. INPUT (DERATED 1995 TO 35
MMBTU/HR.)

Emission Source/Control: 1A001 - Combustion
Design Capacity: 35 million Btu per hour

Emission Source/Control: 1A002 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 34.4:

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

Emission Unit: U-0004A
Process: 009 Source Classification Code: 1-03-006-01
Process Description:

Combustion of natural gas in Unit 3 to make 360 F, 300
psi water.

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

Emission Source/Control: 4A001 - Combustion
Design Capacity: 70 million Btu per hour

Emission Source/Control: 4A002 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 34.5:

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

Emission Unit: U-0004A
Process: 04P Source Classification Code: 1-03-010-02
Process Description: Combustion of propane/air in Unit 4.

Emission Source/Control: 4A001 - Combustion
Design Capacity: 70 million Btu per hour

Emission Source/Control: 4A002 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 34.6:

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

Emission Unit: U-0005A
Process: 001 Source Classification Code: 1-03-010-02
Process Description:

LPG/air standby system capable of supplying 50 mmBtu/hr of LPG/air compatible with natural gas system. Four aqua-blend (WB 1600V) 30,000 gallon (maintained at 80% capacity) propane tanks act as an emergency backup.

The system is equipped with a vaporizer burner rated at 2.4 mmBtu/hr, which is exempt from permitting.

Emission Source/Control: 5A001 - Combustion
Design Capacity: 16 gallons per hour

Item 34.7:

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

Emission Unit: U--0023
Process: 23W Source Classification Code: 1-01-009-03
Process Description: Wood in Unit 2 and/or Unit 3 prior to ESP.

Emission Source/Control: 0BLR2 - Combustion
Design Capacity: 70 million Btu per hour

Emission Source/Control: 0BLR3 - Combustion
Design Capacity: 70 million Btu per hour

Emission Source/Control: 00MC2 - Control
Control Type: MULTIPLE CYCLONE W/ FLY ASH INJECTION

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

Emission Source/Control: 00MC3 - Control
Control Type: MULTIPLE CYCLONE W/ FLY ASH INJECTION

Item 34.8:

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

Emission Unit: U--0023
Process: ESP Source Classification Code: 3-01-017-08
Process Description:
Wood combustion in Unit 2 and/or Unit 3 after installation of ESP.

Emission Source/Control: 0BLR2 - Combustion
Design Capacity: 70 million Btu per hour

Emission Source/Control: 0BLR3 - Combustion
Design Capacity: 70 million Btu per hour

Emission Source/Control: 00ESP - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 00MC2 - Control
Control Type: MULTIPLE CYCLONE W/ FLY ASH INJECTION

Emission Source/Control: 00MC3 - Control
Control Type: MULTIPLE CYCLONE W/ FLY ASH INJECTION

Item 34.9:

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

Emission Unit: U--0023
Process: GAS Source Classification Code: 1-03-006-02
Process Description:
Gas or propane only combustion in unit 2 and/or unit 3.

Emission Source/Control: 0BLR2 - Combustion
Design Capacity: 70 million Btu per hour

Emission Source/Control: 0BLR3 - Combustion
Design Capacity: 70 million Btu per hour

Emission Source/Control: 00ESP - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 00MC2 - Control
Control Type: MULTIPLE CYCLONE W/ FLY ASH INJECTION

Emission Source/Control: 00MC3 - Control
Control Type: MULTIPLE CYCLONE W/ FLY ASH INJECTION

Condition 35: Compliance Demonstration

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

Effective between the dates of 05/05/2020 and 05/04/2030

Applicable State Requirement: 6 NYCRR Subpart 201-5

Item 35.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U--0023

Emission Point: U2U3X

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 35.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator shall not allow or cause the emission of particulate matter in excess of 0.25 pounds per mmBTU/hr while combusting wood in Units 002 and/or 003 after the installation of the Electrostatic Precipitator.

Compliance shall be determined through emission testing conducted in accordance with a protocol approved by the DEC and 6 NYCRR 202-1. Testing shall be conducted within 60 days of achieving maximum production, but no later than 180 days after start up of the ESP and at any other time when requested by the DEC or the EPA.

The owner or operator shall not allow or cause the operation of Units 002 or 003 in excess 35 mmBtu/hr averaged over a 24 hour block period. Heat input shall be computed in accordance with a protocol approved by the DEC and may be based on hot water production. The owner or operator shall monitor heat input or hot water generation on a continuous basis.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.25 pounds per million Btus

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2020.

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

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027

Permit ID: 7-0348-00027/00022

Facility DEC ID: 7034800027