



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

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 9-1402-00680/00030  
Effective Date: 03/18/2015 Expiration Date: 03/17/2025

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

Facility: SUNY AT BUFFALO - SOUTH CAMPUS  
3435 MAIN ST  
BUFFALO, NY 14214

Contact: BRIAN FOTI  
SUNY BUFFALO ENV HEALTH & SAFETY  
220 WINSPEAR AVE  
BUFFALO, NY 14215  
(716) 829-3301

**Description:**

The State University of New York at Buffalo uses the Mackay Power Plant to supply steam for heat, humidity, autoclaves, cage washers and pure water systems throughout the South Campus. The Mackay Power Plant consists of three (3) 72.6 million Btu/hr natural gas/#2 oil low NOx package water tube boilers. These boilers are subject to 40 CFR Part 60 Subpart Dc. Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. Compliance with this limit will be based on vendor certifications.

There is also one (1) 25 million btu/hr natural gas boiler which supplies steam for the Cary, Farber, Sherman, Biomedical Research and Biomedical Education buildings. This boiler is also subject to 40 CFR Part 60 Subpart Dc.

There are two (2) incinerators located in the Biomedical Education building. There is one (1) lab animal facilities (LAF) incinerator located in the basement and one (1) human anatomy crematory incinerator located on the third floor. The LAF incinerator is subject to 6 NYCRR Part 219-5 and the human anatomy crematory incinerator is subject to 6 NYCRR Part 219-4.

This permit limits emissions of oxides of nitrogen (NOx) and carbon monoxide (CO) to below Title V thresholds.

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 9140200680**



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:           DAVID S DENK  
  DIVISION OF ENVIRONMENTAL PERMITS  
  270 MICHIGAN AVE  
  BUFFALO, NY 14203-2915

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



**Notification of Other State Permittee Obligations**

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

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

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

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

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

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

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

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

**Facility Level**

- Submission of application for permit modification or renewal-REGION 9 HEADQUARTERS



**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 expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 3.3:**

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



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

**Item 4.1:**

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

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

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

**Condition 5: Submission of application for permit modification or renewal-REGION 9 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 9 Headquarters  
Division of Environmental Permits  
270 Michigan Avenue  
Buffalo, NY 14203-2915  
(716) 851-7165

**New York State Department of Environmental Conservation**

Permit ID: 9-1402-00680/00030

Facility DEC ID: 9140200680



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

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY  
PERMIT**

**IDENTIFICATION INFORMATION**

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

Facility: SUNY AT BUFFALO - SOUTH CAMPUS  
3435 MAIN ST  
BUFFALO, NY 14214

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

Permit Effective Date: 03/18/2015

Permit Expiration Date: 03/17/2025



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 201-7.1: Facility Permissible Emissions
- \*2 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*3 6 NYCRR 201-7.1: Capping Monitoring Condition
- 4 6 NYCRR 211.1: Air pollution prohibited
- 5 6 NYCRR 225-1.2 (g): Compliance Demonstration
- 6 40CFR 60.40c, NSPS Subpart Dc: Applicability of Subpart Dc General Provisions
- 7 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period
- 8 40CFR 60.42c(i), NSPS Subpart Dc: Enforceability
- 9 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements
- 10 40CFR 60.48c(c), NSPS Subpart Dc: Compliance Demonstration
- 11 40CFR 60.48c(e)(11), NSPS Subpart Dc: Compliance Demonstration
- 12 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration
- 13 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration
- 14 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Demonstration
- 15 40CFR 60, NSPS Subpart IIII: Compliance Demonstration
- 16 40CFR 63, Subpart ZZZZ: Compliance Demonstration

#### Emission Unit Level

##### EU=E-00001

- 17 40CFR 60.43c(c), NSPS Subpart Dc: Compliance Demonstration
- 18 40CFR 60.45c(a), NSPS Subpart Dc: Compliance Demonstration

##### EU=E-00001,Proc=001

- 19 40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.

##### EU=I-00002

- 20 6 NYCRR 219-5.2 (a): Compliance Demonstration
- 21 6 NYCRR 219-5.3 (a): Compliance Demonstration
- 22 6 NYCRR 219-5.4 (b): Compliance Demonstration
- 23 6 NYCRR 219-5.5: Compliance Demonstration

### STATE ONLY ENFORCEABLE CONDITIONS

#### Facility Level

- 24 ECL 19-0301: Contaminant List
- 25 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 26 6 NYCRR Subpart 201-5: Emission Unit Definition
- 27 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 28 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 29 6 NYCRR 211.2: Visible Emissions Limited

#### Emission Unit Level

- 30 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 31 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



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**EU=I-00003**

- 32 6 NYCRR 219-4.3: Compliance Demonstration
- 33 6 NYCRR 219-4.5 (a): Compliance Demonstration
- 34 6 NYCRR 219-4.5 (b): Compliance Demonstration
- 35 6 NYCRR 219-4.6: Compliance Demonstration
- 36 6 NYCRR 219-4.7: Compliance Demonstration
- 37 6 NYCRR 219-4.8: Compliance Demonstration
- 38 6 NYCRR 219-4.10: Compliance Demonstration
- 39 6 NYCRR 219-4.11: Compliance Demonstration

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**  
**\*\*\*\* 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,



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: Emergency Defense - 6 NYCRR 201-1.5**

An emergency constitutes an affirmative defense to an action brought 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 and/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;
- (3) During the period of the emergency the facility owner and/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 and/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 and/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 F: 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 G: 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 H: 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 I: Proof of Eligibility for Sources Defined as Trivial 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 J: 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 K: 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 L: 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 M: 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.

**FEDERAL APPLICABLE REQUIREMENTS**  
**The following conditions are federally enforceable.**

**Condition 1: Facility Permissible Emissions**



**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 1.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

|                       |                              |
|-----------------------|------------------------------|
| CAS No: 000630-08-0   | PTE: 198,000 pounds per year |
| Name: CARBON MONOXIDE |                              |

|                          |                              |
|--------------------------|------------------------------|
| CAS No: 0NY210-00-0      | PTE: 198,000 pounds per year |
| Name: OXIDES OF NITROGEN |                              |

**Condition 2: Capping Monitoring Condition**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 2.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1  
6 NYCRR Subpart 227-2

**Item 2.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 2.3:**

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.

**Item 2.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 2.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of

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the Act.

**Item 2.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

**Item 2.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Facility emissions of NOx will be capped below 100 tons per year to stay below Title V air permitting applicability. To accomplish this, the facility must keep a record of fuel usage then calculate monthly emissions using the following formula:

$$D(0.02) + G(100) + E(0.62) < 200,000 \text{ lbs/yr of Oxides of Nitrogen emissions.}$$

Units are in pounds of pollutant per million standard cubic feet of natural gas fired.

Where: D = 12-month rolling total of distillate oil fired (from boilers) in gals/yr

G = 12-month rolling total of natural gas fired (from boilers) in Million SCF/yr

E = 12-month rolling total of diesel fuel fired (from engines) in gals/yr

The facility must submit to the Department an emissions capping report annually by January 30 for the previous year.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 90 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 3: Capping Monitoring Condition**  
**Effective between the dates of 03/18/2015 and 03/17/2025**



**Applicable Federal Requirement:6 NYCRR 201-7.1**

**Item 3.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1

**Item 3.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 3.3:**

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.

**Item 3.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 3.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 3.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 3.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Facility emissions of CO will be capped below 100 tons per year to stay below Title V air permitting applicability. To accomplish this, the facility must keep a record of fuel usage then calculate monthly emissions



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using the following formula:

$D(0.005) + G(84) + E(0.13) < 200,000$  lbs/yr of Carbon Monoxide emissions.

Units are in pounds of pollutant per million standard cubic feet of natural gas fired.

Where: D = 12-month rolling total of distillate oil fired (from boilers) in gals/yr

G = 12-month rolling total of natural gas fired (from boilers) in Million SCF/yr

E = 12-month rolling total of diesel fuel fired (from engines) in gals/yr

The facility must submit to the Department an emissions capping report annually by January 30 for the previous year.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 90 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.

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

**Condition 4: Air pollution prohibited**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:6 NYCRR 211.1**

**Item 4.1:**

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.

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 5.1:**

The Compliance Demonstration activity will be performed for the Facility.

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**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of a stationary combustion installation that fires distillate oil other than number two heating oil are limited to the purchase of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2014. 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 6: Applicability of Subpart Dc General Provisions  
Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:40CFR 60.40c, NSPS Subpart Dc**

**Item 6.1:**

This Condition applies to:

Emission Unit: E00001

Process: 001

Emission Source: ES001

Emission Unit: E00001

Process: 001

Emission Source: ES002

Emission Unit: E00001

Process: 001

Emission Source: ES003

Emission Unit: E00008



Process: 008

Emission Source: ES004

**Item 6.2:**

For any emission sources that are subject to the applicable General Provisions of 40 CFR 60 Subpart Dc, the facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

**Condition 7: Exemption from the averaging period**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:40CFR 60.42c(h), NSPS Subpart Dc**

**Item 7.1:**

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

**Condition 8: Enforceability**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:40CFR 60.42c(i), NSPS Subpart Dc**

**Item 8.1:**

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

**Condition 9: Exemption from sulfur dioxide monitoring requirements**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:40CFR 60.46c(e), NSPS Subpart Dc**

**Item 9.1:**

Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

**Condition 10: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 10.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each coal-fired, oil-fired, or wood-fired affected facility subject to the opacity limits under 40 CFR 60.43c(c) shall submit excess emission

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reports for any excess emissions from the affected facility that occur during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 11: Compliance Demonstration**  
Effective between the dates of 03/18/2015 and 03/17/2025

**Applicable Federal Requirement:40CFR 60.48c(e)(11), NSPS Subpart Dc**

**Item 11.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 11.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of each affected facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records as required under §60.48c(d) including the following information.

If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph §60.48c(f)(1)(2) or (3). In addition to records of fuel supplier certification, the semi-annual report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 12: Compliance Demonstration**  
Effective between the dates of 03/18/2015 and 03/17/2025

**Applicable Federal Requirement:40CFR 60.48c(f)(1), NSPS Subpart Dc**

**Item 12.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 12.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



Fuel supplier certification shall include the following information for distillate oil:

- i) The name of the oil supplier, and
- ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.
- iii) The sulfur content or maximum sulfur content of the oil.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 13: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 13.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 13.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 14: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 14.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 14.2:**

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 15: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 15.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 15.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility is subject to 40 CFR Part 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The applicable requirements for this specific facility shall be detailed in a document and must be submitted to the Department by June 30, 2015.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 16: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 16.1:**

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 facility is subject to 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The applicable requirements for this specific facility



shall be detailed in a document and must be submitted to the Department by June 30, 2015.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

**Condition 17: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:40CFR 60.43c(c), NSPS Subpart Dc**

**Item 17.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: E-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 17.2:**

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

On and after the date on which the initial performance test is completed or required to be completed under §60.8 of this part, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood or oil and has a heat input capacity of 30 million BTU per hour or greater shall cause to be discharged into the atmosphere from an affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).

2) The results of each observation must be recorded in a



bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:

- weather condition
- was a plume observed?

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

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

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

Parameter Monitored: OPACITY  
Upper Permit Limit: 27 percent  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: 6 MINUTE AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2015.  
Subsequent reports are due every 6 calendar month(s).

**Condition 18: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement: 40CFR 60.45c(a), NSPS Subpart Dc**

**Item 18.1:**  
The Compliance Demonstration activity will be performed for:



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Emission Unit: E-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 18.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

An initial performance test is required per 40 CFR Part 60.8. Therefore, The State University of New York at Buffalo hired ENSR International to perform visible emissions observations on the exhaust stack of the Mackay Heating Plant on the South Campus. Visible emissions observations were performed at the combined exhaust stack while firing Boiler No. 1, Boiler No. 2, and Boiler No. 3 with Number 2 fuel oil on January 18, 2005. The overall average opacity for three 1-hour runs was 1.8 percent which is much lower than the maximum allowable opacity of 20 percent.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Method 9

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 19: Enforceability of particulate matter and opacity standards.**

**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:40CFR 60.43c(d), NSPS Subpart Dc**

**Item 19.1:**

This Condition applies to Emission Unit: E-00001

Process: 001

**Item 19.2:**

The particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

**Condition 20: Compliance Demonstration**

**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:6 NYCRR 219-5.2 (a)**

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**Item 20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00002

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All incinerators having a capacity of 2,000 lb/hr or less and built and installed after January 1, 1968, must be designed, built, installed and operated to meet the emission limits of Figure 1, Appendix 2. For the State University of New York at Buffalo's South Campus LAF incinerator with a maximum charging rate of 350 pounds per hour, the particulate emission limit is 1 (one) pound per hour.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 21: Compliance Demonstration**

**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement: 6 NYCRR 219-5.3 (a)**

**Item 21.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 21.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No incinerator, built or installed after January 26, 1967, regardless of size, will emit visible emissions having an average opacity during any six consecutive minutes of greater than 20 percent, under normal operating conditions.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: ASH

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

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Monitoring Frequency: WHEN THE SOURCE IS OPERATING  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 22: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:6 NYCRR 219-5.4 (b)**

**Item 22.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 22.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

All incinerators built or installed after January 1, 1968, and having a capacity of 2,000 lb/hr or less must be tested using emission tests acceptable to the commissioner. Units which are representative models may be tested instead of an actual installation, using emission tests acceptable to the commissioner. For the State University of New York at Buffalo's South Campus LAF incinerator with a maximum charging rate of 350 pounds per hour, the particulate emission limit is 1 (one) pound per hour.

Upper Permit Limit: 1 pounds per hour

Reference Test Method: EPA Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 23: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable Federal Requirement:6 NYCRR 219-5.5**

**Item 23.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00002

Regulated Contaminant(s):



CAS No: 0NY075-00-0 PARTICULATES

**Item 23.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

(a) Where the commissioner has reason to believe that an incinerator installation is violating the emission standards of section 219-5.2 of this Subpart, he may have tests conducted. The owner must provide, at his expense, sampling holes and pertinent allied facilities as needed, at the request of the commissioner.

(b) If such tests indicate a contravention of the emission limits, the commissioner may require the installation of appropriate control equipment or he may seal the incinerator if such equipment is not installed within the time limit specified by the commissioner.

(c) The commissioner may order the cleaning, repair, replacement or alteration of any equipment or control equipment which causes or is operated so as to cause a violation of this Subpart.

(d) The commissioner may order a change in the manner of operation of any incinerator which is operated so as to cause a violation of this Subpart.

Upper Permit Limit: 1 pounds per hour

Reference Test Method: EPA Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**  
**The following conditions are state only enforceable.**

**Condition 24: Contaminant List**  
**Effective between the dates of 03/18/2015 and 03/17/2025**



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

**Item 24.1:**

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: 0NY075-00-0  
Name: PARTICULATES

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

**Condition 25: Malfunctions and start-up/shutdown activities  
Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 25.1:**

(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.

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(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 26: Emission Unit Definition**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 26.1:**

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

Emission Unit: E-00001

Emission Unit Description:

This emission unit is for three (3) 72,600,000 Btu/hr input natural gas/#2 oil water tube steam boilers located in the Mackay power plant. They were manufactured in 2003.

Building(s): MACKAY

**Item 26.2:**

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

Emission Unit: E-00008

Emission Unit Description:

This emission unit is for one (1) 25,106,000 Btu/hr boiler at Farber Hall. This boiler supplies steam for Cary, Farber, Sherman, Biomedical Research and Biomedical Education buildings.

Building(s): FARBER

**Item 26.3:**

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

Emission Unit: I-00002

Emission Unit Description:

This emission unit is for the lab animal facilities (LAF) incinerator located on the ground floor of the biomedical education building. The LAF incinerator was installed in June of 1985 and has a charging rate of 350 lb/hr.

Building(s): BIOMEDICAL

**Item 26.4:**

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

Emission Unit: I-00003

Emission Unit Description:

This emission unit is for the human anatomy incinerator located on the third floor of the biomedical education building. The B&L model N20 was installed in March of

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2006. This make and model has previously been tested in New York State and approved by the Department.

Building(s): BIOMEDICAL

**Condition 27: Renewal deadlines for state facility permits**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 27.1:**

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 28: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

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

**Item 28.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 28.2:**

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 9  
270 Michigan Ave.  
Buffalo, NY 14203

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 29: Visible Emissions Limited**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 29.1:**

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.





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

**Condition 30: Emission Point Definition By Emission Unit**  
Effective between the dates of 03/18/2015 and 03/17/2025

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 30.1:**

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

Emission Unit: E-00001

Emission Point: 00001

Height (ft.): 165 Diameter (in.): 126  
NYTMN (km.): 4762.282 NYTME (km.): 188.523 Building: MACKAY

**Item 30.2:**

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

Emission Unit: I-00002

Emission Point: 00003

Height (ft.): 80 Diameter (in.): 18  
NYTMN (km.): 4762.63 NYTME (km.): 188.726 Building: BIOMEDICAL

**Item 30.3:**

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

Emission Unit: I-00003

Emission Point: 00002

Height (ft.): 63 Diameter (in.): 24  
NYTMN (km.): 4762.689 NYTME (km.): 188.723 Building: BIOMEDICAL

**Condition 31: Process Definition By Emission Unit**  
Effective between the dates of 03/18/2015 and 03/17/2025

**Applicable State Requirement:6 NYCRR Subpart 201-5**

**Item 31.1:**

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

Emission Unit: E-00001

Process: 001

Process Description:

Three (3) 72,600,000 Btu/hr input natural gas/#2 oil  
water tube steam boilers located in the Mackay power  
plant.

Emission Source/Control: ES001 - Combustion

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Design Capacity: 72.6 million Btu per hour

Emission Source/Control: ES002 - Combustion

Design Capacity: 72.6 million Btu per hour

Emission Source/Control: ES003 - Combustion

Design Capacity: 72.6 million Btu per hour

**Item 31.2:**

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

Emission Unit: E-00008

Process: 008

Process Description:

One (1) 25,106,000 Btu/hr boiler at Farber Hall. This boiler supplies steam for Cary, Farber, Sherman, Biomedical Research and Biomedical Education buildings.

Emission Source/Control: ES004 - Combustion

Design Capacity: 25 million Btu per hour

**Item 31.3:**

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

Emission Unit: I-00002

Process: P02

Source Classification Code: 3-15-021-01

Process Description:

This emission unit is for the lab animal facilities (LAF) incinerator located on the ground floor of the biomedical education building. The LAF incinerator was installed in June of 1985 and has a charging rate of 350 lb/hr.

Emission Source/Control: ES006 - Incinerator

Design Capacity: 350 pounds per hour

Waste Feed Method: AUTOMATIC PNEUMATIC FEED, SCREW CONVEYOR

Waste Type: Crematory Waste (Including Animal Body parts and associated animal bedding only)

**Item 31.4:**

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

Emission Unit: I-00003

Process: P03

Source Classification Code: 3-15-021-01

Process Description:

This emission unit is for the human anatomy incinerator located on the third floor of the biomedical education building. The B&L model N20 was installed in March of 2006. This make and model has previously been tested in New York State and approved by the Department.



Emission Source/Control: ES005 - Incinerator  
Design Capacity: 150 pounds per hour  
Waste Feed Method: MANUAL DIRECT FEED  
Waste Type: Crematory Waste (only Human Body parts)

**Condition 32: Compliance Demonstration**  
Effective between the dates of 03/18/2015 and 03/17/2025

**Applicable State Requirement:6 NYCRR 219-4.3**

**Item 32.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00003

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

**Item 32.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person may cause or allow emissions of particulates into the outdoor atmosphere from any emission source located in a crematory facility in excess of 0.08 grains per dry standard cubic foot of flue gas, corrected to seven percent oxygen.

Monitoring Frequency: WHEN THE SOURCE IS OPERATING

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 33: Compliance Demonstration**  
Effective between the dates of 03/18/2015 and 03/17/2025

**Applicable State Requirement:6 NYCRR 219-4.5 (a)**

**Item 33.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00003

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

**Item 33.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person may cause or allow emissions to the outdoor

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atmosphere having a six-minute average opacity of 10 percent or greater from any emission source subject to these requirements.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: Method 9

Monitoring Frequency: WHEN THE SOURCE IS OPERATING

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 34: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable State Requirement:6 NYCRR 219-4.5 (b)**

**Item 34.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00003

**Item 34.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

No person may operate a crematory facility unless the temperatures described in section 219-4.4 of this Subpart are maintained at all times that waste is being burned. 219-4.4 states that the furnace design must provide for a residence time for combustion gas of at least one second at no less than 1,800°F. For a multichamber incinerator, these parameters must be met after the primary combustion chamber and the primary combustion chamber temperature must be maintained at no less than 1,400°F.

Manufacturer Name/Model Number: B&L model N20

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 1800 degrees Fahrenheit

Reference Test Method: EPA Method

Monitoring Frequency: WHEN THE SOURCE IS OPERATING

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE AT ANY TIME

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 35: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable State Requirement:6 NYCRR 219-4.6**

**Item 35.1:**

The Compliance Demonstration activity will be performed for:



Emission Unit: I-00003

**Item 35.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (a) Municipal solid waste may not be burned in a crematory.
- (b) Infectious waste (other than pathological waste and animal bedding) in excess of five percent of the total permitted hourly charging rate may not be burned in a crematory.
- (c) Radioactive waste, may not be burned in a crematory unless that crematory is exempt from or has been issued a permit pursuant to Part 380 of this Title.
- (d) Hazardous waste may not be burned in a crematory unless that crematory is exempt from or has been issued a permit pursuant to Part 373 of this Title.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 36: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable State Requirement:6 NYCRR 219-4.7**

**Item 36.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00003

**Item 36.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any person who owns or operates a crematory facility must install, operate and maintain in accordance with manufacturer's instructions, instruments meeting specifications acceptable to the commissioner for continuously monitoring and recording the following emission and operating parameters:

- (1) primary combustion chamber exit temperature;

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(2) secondary (or last) combustion chamber exit temperature.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 37: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable State Requirement:6 NYCRR 219-4.8**

**Item 37.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 37.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

(a) Each incinerator to be installed in a crematory facility must demonstrate compliance with the standards in this Subpart by either (1) onsite testing, or (2) submittal of a test report for an identical incinerator tested in New York and approved by the commissioner.

The State University of New York at Buffalo - South Campus installed an identical incinerator tested in New York and approved by the commissioner.

Upper Permit Limit: 0.08 grains per dry standard cubic foot (corrected to 7% O<sub>2</sub>)

Reference Test Method: EPA Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 38: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable State Requirement:6 NYCRR 219-4.10**

**Item 38.1:**

The Compliance Demonstration activity will be performed for:



Emission Unit: I-00003

**Item 38.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) No facility subject to this Subpart will be permitted to operate unless under the onsite direction of a person possessing an appropriate incinerator operator certification issued by the commissioner.

(b) No person may operate a facility subject to this Subpart unless certified in writing by the holder of an incinerator operator certification, relative to:

(1) proper operation and maintenance of equipment at that facility; and

(2) knowledge of environmental permit conditions and the impact of plant operation on emissions for that facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 39: Compliance Demonstration**  
**Effective between the dates of 03/18/2015 and 03/17/2025**

**Applicable State Requirement:6 NYCRR 219-4.11**

**Item 39.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: I-00003

**Item 39.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each owner or operator of a permitted crematory facility must annually inspect that facility and submit a report to the commissioner, certifying that the condition and operation of that facility, including the calibration of all instrumentation, meet manufacturer's specifications.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2016.



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



