



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 9-1402-00573/00010
Effective Date: 09/18/2013 Expiration Date: 10/01/2022

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

Contact: STATE UNIVERSITY OF NEW YORK
STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246
(518) 443-5355

Facility: BUFFALO STATE COLLEGE
1300 ELMWOOD AVE
BUFFALO, NY 14222

Contact: JOHN P BLEECH
BUFFALO STATE - DC205
1300 ELMWOOD AVE
BUFFALO, NY 14222-1095
(716) 878-6136

Description:

AIR STATE FACILITY PERMIT DESCRIPTION
BUFFALO STATE COLLEGE
DEC PERMIT I.D. No. 9-1402-00573/00010

Buffalo State College (BSC), located at 1300 Elmwood Avenue in the City of Buffalo, New York, is a four-year college in the State University of New York (SUNY) system. BSC offers more than 130 undergraduate and more than 40 graduate degree programs in the arts, sciences and education to over 11,000 students. The main campus encompasses approximately 118 acres with 39 buildings. The Standard Industrial Classification (SIC) Code for this facility is 8221-Colleges, Universities, & Professional Schools. This Air State Facility permit allows BSC to operate as a synthetic minor. BSC formerly operated under a title V permit.

Buffalo State College currently operates a power house on campus which supplies steam for the space heating of the buildings and dormitories on campus. The steam is produced by four stationary combustion installations/boilers (Emission Sources 0001A, 0001B, 0001C, and 0001D) that are capable of firing either residual oil (Process 100) or natural gas (Process 200) and one small, natural gas fired boiler (Emission Source 0001E),



used predominantly during the summer months. The boilers are collectively identified as Emission Unit U-00001. The small boiler has a maximum design heat input capacity of 33.5 MMBTU/hr and is equipped with a low-NOx burner. The dual fueled boilers, installed in 1949, were derated in 1999 through a mechanical adjustment from a maximum design heat input capacity of 65 MMBTU/hr each to approximately 53 MMBTU/hr. These boilers are not equipped with any type of emission control equipment. Emissions from the dual fueled boilers are exhausted through a common stack, identified as Emission Point BSC01. The small natural gas fired boiler exhausts to the ambient air through EP BSC02. Buffalo State College also operates a gasoline/diesel dispensing station onsite, consisting of two 8000 gallon fiberglass underground storage tanks for gasoline and diesel fuel, installed in 1979, which are exempt from permitting in accordance with 6NYCRR201-3.2(c)(25). Gasoline throughput is less than 120,000 gallons per year, therefore the gasoline dispensing station is not subject to the requirements of 6NYCRR Part 230. The facility operates other sources throughout the campus which are considered exempt from permitting in accordance with 6NYCRR201-3.2(c), including small natural gas fired boilers, hot water heaters and furnaces, diesel or natural gas-fired emergency generators, fuel oil (distillate/residual oil) storage tanks with capacities less than 300,000 barrels, numerous laboratory hoods, an exhaust system for paint mixing, transfer, filling or sampling and/or paint storage rooms or cabinets, a spray paint booth for maintenance operations, and non-contact water cooling towers.

The Facility's potential to emit sulfur dioxide (SO₂) and oxides of nitrogen (NO_x) exceeds the major source pollutant thresholds listed in 6NYCRR Subpart 201-6: Title V Facility Permits. The facility-wide NO_x emissions also exceed the major source threshold specified in 6NYCRR Subpart 227-2: Reasonably Available Control Technology (RACT) for Major Facilities of Oxides of Nitrogen (NO_x). Buffalo State College will avoid the requirements of 6NYCRR Subpart 201-6 and 6NYCRR Subpart 227-2 by limiting facility-wide NO_x and SO₂ emissions below major source thresholds at 99 tons per year, each. The facility also will limit Greenhouse Gas (GHG) emissions to 99,000 tpy on a carbon dioxide equivalent basis to avoid the requirements of 6NYCRR Subpart 201-6: Title V Facility Permits. The dual fueled boilers are subject to the requirements of 40CFR63, Subpart JJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources and 40CFR63, Subpart A - General Provisions. The small natural gas boiler is subject to the requirements of 40CFR60, Standards of Performance for New Stationary Sources, Subpart A- General Provisions and Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. In accordance with 40CFR60, Subpart Dc, a natural gas fired boiler is only subject to monthly recording of natural gas usage and maintenance of those records onsite. Buffalo State College is also subject to 6NYCRR Subpart 225-1: Fuel Composition and Use - Sulfur Limitations, which restricts the sulfur content of residual fuel oil and diesel oil utilized throughout the facility to 0.5 % and 0.0015% by weight or less, respectively. Emission point BSC01 is subject to the smoke emission requirements of 6NYCRR Subpart 227-1 Stationary Combustion Installations for Process 100. Buffalo State College operates numerous emergency generators, some of which are subject to the requirements of 40CFR60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines or Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and 40CFR60 Subpart A - General Provisions. Although these engines are exempt from permitting BSC must maintain a comprehensive compliance plan onsite that must be made available for NYSDEC upon request. The Facility conducts a surface coating operation for maintenance purposes that is exempt from permitting, but is subject to the General Requirements specified under 6NYCRR Subpart 228-1.3 (a) through (d). All exempt and trivial activities are subject to

New York State Department of Environmental Conservation
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the recordkeeping requirements specified under 6NYCRR Subpart 201-3: Permit Exempt and Trivial Activities.

This Air State Facility permit contains a complete listing of the applicable federal, state and compliance monitoring requirements for the facility, its emission unit and emission points.

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.



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: 9-1402-00573/00010

Facility DEC ID: 9140200573



Permit Under the Environmental Conservation Law (ECL)

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

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STATE UNIVERSITY PLAZA
381 BROADWAY
ALBANY, NY 12246

Facility: BUFFALO STATE COLLEGE
1300 ELMWOOD AVE
BUFFALO, NY 14222

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

Permit Effective Date: 09/18/2013

Permit Expiration Date: 10/01/2022



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 201-3.2 (c) (6): Compliance Demonstration
- 2 6 NYCRR 201-3.2 (c) (17): Compliance Demonstration
- 3 6 NYCRR 201-7.1: Facility Permissible Emissions
- *4 6 NYCRR 201-7.1: Capping Monitoring Condition
- *5 6 NYCRR 201-7.1: Capping Monitoring Condition
- *6 6 NYCRR 201-7.1: Capping Monitoring Condition
- 7 6 NYCRR 211.1: Air pollution prohibited
- 8 6 NYCRR 225-1.2: Compliance Demonstration
- 9 6 NYCRR 225-1.2 (e): Compliance Demonstration
- 10 6 NYCRR 225-1.6: Compliance Demonstration
- 11 6 NYCRR 227-1.3: Compliance Demonstration
- 12 6 NYCRR 228-1.1 (b) (9): Compliance Demonstration
- 13 6 NYCRR 228-1.3 (a): Compliance Demonstration
- 14 6 NYCRR 228-1.3 (b) (2): Compliance Demonstration
- 15 6 NYCRR 228-1.3 (c): Compliance Demonstration
- 16 6 NYCRR 228-1.3 (d): Compliance Demonstration
- 17 40CFR 60, NSPS Subpart IIII: Compliance Demonstration
- 18 40CFR 60, NSPS Subpart JJJJ: Compliance Demonstration
- 19 40CFR 63, Subpart A: General Provisions
- 20 40CFR 63, Subpart JJJJJ: Applicability
- 21 40CFR 63.11223(a), Subpart JJJJJ: Compliance Demonstration
- 22 40CFR 63.11223(b), Subpart JJJJJ: Compliance Demonstration
- 23 40CFR 63.11225, Subpart JJJJJ: Compliance Demonstration
- 24 40 CFR Part 98: Mandatory greenhouse gas reporting

Emission Unit Level

EU=U-00001,Proc=200,ES=0001E

- 25 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.

EU=U-00001,EP=BSC02,Proc=200,ES=0001E

- 26 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 27 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 28 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 29 ECL 19-0301: Contaminant List
- 30 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 31 6 NYCRR Subpart 201-5: Emission Unit Definition
- 32 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 33 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 34 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

- 35 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 36 6 NYCRR Subpart 201-5: Process Definition By Emission Unit



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: Compliance Demonstration



Effective between the dates of 09/18/2013 and 10/01/2022

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

Item 1.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Buffalo State College operates stationary internal combustion engines (ICEs) to generate electricity in emergency situations. These stationary ICEs are considered exempt sources if operated as a mechanical or electrical power source only when the usual supply of power is unavailable, and are operated for no more than 500 hours per year, each. The 500 hours of annual operation for the engine include operation during emergency situations, routine maintenance, and routine exercising (for example, test firing the engine for one hour a week to ensure reliability). Stationary internal combustion engines used for peak shaving and/or demand response programs are not exempt.

As proof of exempt eligibility for the emergency generators, the facility shall maintain monthly records which demonstrate that each engine is operated no more than 500 hours per year. A non-resettable hour counter or similar device shall be utilized to monitor hours of operation, which shall be recorded in a logbook or electronically on a secure server each use. The emergency generators shall be operated and maintained according to manufacturer's specifications to ensure proper performance. Records demonstrating hours of operation, the manufacturer's maintenance requirements and the maintenance performed on these sources shall be kept onsite for five years and be readily available to NYSDEC representatives upon request.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500 hours

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL TOTAL

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2:

Compliance Demonstration

Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-3.2 (c) (17)



facility wide use of all as applied coatings (includes thinners and other additives to the coating) on a 12-month rolling total basis to fifty-five (55) gallons or less, maintains records of as applied coatings and complies with the general requirements of 6NYCRR228-1.3, then the mechanical surface coating operations are not subject to the VOC control requirements under 6NYCRR Subpart 228-1. Coating lines where coatings are applied manually (by hand or without the use of mechanical means) with a brush, roller, cloth or an aerosol spray can are exempt from all 6NYCRR228-1 requirements. However these coatings, including thinners and other additives to the coatings, must be counted toward the 55 gallon limit under 6NYCRR Subpart 228-1.1(b)(9). Records must be maintained at the facility for a minimum of five years to verify exempt status and must be available for NYSDEC review upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 3: Facility Permissible Emissions
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 3.1:

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: 007446-09-5 PTE: 198,000 pounds per year
Name: SULFUR DIOXIDE

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

CAS No: 0NY750-00-0 PTE: 198,000,000 pounds per year
Name: CARBON DIOXIDE EQUIVALENTS

Condition 4: Capping Monitoring Condition
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 4.1:

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 Subpart 201-6

Item 4.2:

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

Item 4.3:

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 4.4:

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 4.5:

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 4.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 4.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Prevention of Significant Deterioration and Title V
Greenhouse Gas Tailoring Rule

The Prevention of Significant Deterioration (PSD) and Title V Greenhouse Gas Tailoring Rule requires any facility with potential emissions of greenhouse gases (GHGs) of 100 tons per year (tpy) or more on a mass basis and 100,000 tpy or more on a carbon dioxide equivalents (CO₂e) basis to apply for a Title V permit. Buffalo State College (BSC) generates GHGs through the combustion of fossil fuels in boilers, generators, furnaces and other stationary combustion sources onsite. An emissions



inventory of the BSC campus revealed that the campus has potential emissions of GHGs on a mass basis and CO₂e that equal or exceed the major source thresholds. To avoid the requirements of 6NYCRR201-6: Title V, BSC has chosen to limit CO₂e emissions to less than 100,000 tons per year.

CO₂e emissions are determined by multiplying each of the GHGs by their respective global warming potential. The following calculations shall be used to demonstrate compliance with this federally enforceable cap on a 12-month rolling total basis. The individual monthly CO₂e emissions shall be determined using default GHG emission factors, fuel Higher Heating Values (HHVs) and GHG global warming potentials specified in 40CFR98, Subpart A and Subpart C or §231-13.9 Table 9 - Global Warming Potential Values for calculating CO₂ equivalents:

$A + B + C = 99,000$ tpy of CO₂e (12-month rolling total basis) where:

A = CO₂e emissions (tons/mo) from No. 6 oil combustion:

$$A = (\text{gallons No. 6 oil burned/mo}) \times (0.150 \text{ mmBtu/gal}) \times (0.0011024 \text{ tons/kg}) \times \{ \{ (75.10 \text{ kg CO}_2/\text{mmBtu}) \times 1 \} + \{ (0.003 \text{ kg CH}_4/\text{mmBtu}) \times 21 \} + \{ (0.0006 \text{ kg N}_2\text{O/mmBtu}) \times 310 \} \}$$

B = CO₂e emissions (tons/mo) from No. 2/diesel oil combustion:

$$B = (\text{gallons of No. 2/diesel oil burned/mo}) \times (0.138 \text{ mmBtu/gal}) \times (0.0011024 \text{ tons/kg}) \times \{ \{ (73.96 \text{ kg CO}_2/\text{mmBtu}) \times 1 \} + \{ (0.003 \text{ kg CH}_4/\text{mmBtu}) \times 21 \} + \{ (0.0006 \text{ kg N}_2\text{O/mmBtu}) \times 310 \} \}$$

C = CO₂e emissions (tons/mo) from natural gas combustion:

$$C = (\text{cubic feet of natural gas burned/mo}) \times (0.001028 \text{ mmBtu/scf}) \times (0.0011024 \text{ tons/kg}) \times \{ \{ (53.02 \text{ kg CO}_2/\text{mmBtu}) \times 1 \} + \{ (0.001 \text{ kg CH}_4/\text{mmBtu}) \times 21 \} + \{ (0.0001 \text{ kg N}_2\text{O/mmBtu}) \times 310 \} \}$$

Each calendar month, the 12-month rolling total for CO₂e emissions shall be computed by adding the current monthly CO₂e emissions to the CO₂e emissions for the previous 11 months. BSC shall maintain records of the quantity of each fuel burned each month and corresponding CO₂e emissions calculations. Fuel usage records shall be based on verifiable data such as fuel metering data and/or fuel purchase records from fuel suppliers to confirm the general accuracy of the monthly fuel usage amounts.



BSC shall submit to the Regional Office of the Department, an annual CO₂e emissions report which certifies that the facility has been operated within the limits imposed by the emissions cap. The report shall list the types and monthly quantity of fuels burned, the monthly CO₂e emissions for each fuel type, the total monthly CO₂e emissions (all fuel types), the 12-month rolling total CO₂e emissions for each consecutive month of the calendar year and a comparison to the 99,000 tpy limit. The annual report shall be submitted by January 30th for the previous calendar year.

BSC shall maintain all records (fuel usage, emissions calculations, etc.) onsite for a minimum of five (5) years. These records shall be orderly, easily accessed and available for review by NYSDEC representatives upon request.

Process Material: FUEL CONSUMPTION
Parameter Monitored: CARBON DIOXIDE EQUIVALENTS
Upper Permit Limit: 99,000 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: 12-month total, rolled monthly
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 5: Capping Monitoring Condition
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 5.1:

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 Subpart 201-6

Item 5.2:

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

Item 5.3:

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 5.4:

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 5.5:

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 5.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 5.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Buffalo State College shall not exceed a facility-wide total emission rate of 99 TPY of sulfur dioxide (SO₂) to avoid the requirements of 6NYCRR Subpart 201-6: Title V Facility Permits as determined by summing the individual monthly emissions during any consecutive 12-month period. The major source applicability threshold for Title V is 100 tons of SO₂ per year.

The permitted emission sources contributing to the facility SO₂ emissions include four dual fueled (natural gas/ No. 6 fuel oil) boilers, with a maximum design heat input capacity of approximately 53 mmBtu/hr each (Emission Sources 0001A, 0001B, 0001C, and 0001D) and a 33.5 mmBtu/hr natural gas fired boiler (Emission Source 0001E). These boilers, contained in Emission Unit U-00001, operate via Process 100 (boilers firing residual oil with a maximum fuel sulfur content of 0.5%, excludes ES 0001E) and/or Process 200 (boilers firing natural gas).

SO₂ emissions from the following combustion sources, exempt from permitting in accordance with 6NYCRR Subpart 201-3.2 (c), shall also be included in the determination of facility-wide SO₂ emissions: sixteen natural gas fired stationary combustion units (less than 10 mmBtu/hr maximum design heat input capacity), twenty-nine (3 diesel-fired and 26 natural gas-fired) internal combustion engines with power output less than 400 brake horsepower (Bhp) each,



and three natural gas-fired internal combustion engines with power output greater than 400 Bhp (605 Bhp maximum) used to generate electricity in emergency situations.

Buffalo State College (BSC) must prepare monthly SO₂ emission records. Monthly mass emission rates of SO₂ shall be determined utilizing monthly fuel usage quantities and the following or similar formulas.

SO₂ (tons/mo) = A + B + C + D + E = 99 tons/yr, based on a 12-month rolling total

where,

A = Monthly SO₂ emissions in tons for Process 100.
A = ((0.157*S1) lbs SO₂/gallon) x (gallons No. 6 oil burned/mo) x (ton/2000 lb)

B = Monthly SO₂ emissions in tons for Process 200 and small natural gas fired stationary combustion units (less than 10 MMBTU/hr maximum design heat input capacity).
B = (6.0E-07 lbs SO₂/scf natural gas burned) x (scf natural gas burned/mo) x (ton/2000 lb)

C = Monthly SO₂ emission rate in tons based on diesel usage for small emergency generators (internal combustion engine rated at 447 kW (600 hp) and below).
C = (0.04 lb SO₂/gal diesel burned) x (gal diesel burned/mo) x (ton/2000 lb).

D = Monthly SO₂ emission rate in tons based on natural gas usage for small emergency generators.
D = (6.0E-07 lb SO₂/cf natural gas burned) x (cf natural gas burned/mo) x (ton/2000lb).

E = Actual monthly SO₂ emission rate in tons based on diesel oil usage for large emergency generators (internal combustion engine rated greater than 447 kW (600 hp)).
E = ((0.14 * S1) lb SO₂/gal diesel burned) x (gal diesel burned/mo) x (ton/2000lb).

Reference Cited for Emission Factors:

A: USEPA Compilation of Air Pollutant Emission Factors, AP42, 2010, Table 1.3-1 Criteria Pollutant Emission Factors for Fuel Oil Combustion, Boilers < 100 Million Btu/hr, No. 6 oil fired: 1-02-004-02/03 or 1-03-004-02/03 (S1 = wt % sulfur in fuel based on 6NYCRR225-1.2 or vendor certification, e.g if % S = 0.5, then S1 = 0.5).

B: USEPA Compilation of Air Pollutant Emission Factors,



AP42, 1.4 Natural Gas Combustion, Table 1.4-2. Emission Factors for Criteria Pollutants and Greenhouse Gases from Natural Gas Combustion.

C: USEPA Compilation of Air Pollutant Emission Factors, AP42, 1996, 3.3 Gasoline And Diesel Industrial Engines, Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines, Diesel Fuel: SCC 2-02-001-02, 2-03-001-01, (EF = 0.29 lb SO₂/mmBtu x 138,000 Btu/gal diesel x mm/1.0 E06)

D: USEPA Compilation of Air Pollutant Emission Factors, AP42, 2000, 3.2 Natural Gas-fired Reciprocating Engines, Table 3.2-3 Uncontrolled Emission Factors for 4-Stroke Lean-Burn Engines (EF = 5.88 E-04 lb SO₂/mmBtu x 1020 Btu/scf x mm/1.0 E06)

E: Compilation of Air Pollutant Emission Factors (AP42), USEPA, 1996, 3.4 Large Stationary Diesel and All Stationary Dual-fuel Engines, Table 3.4-1 "Gaseous Emission Factors for Large Stationary Diesel and All Stationary Dual-Fuel Engines", SCC 2-02-004-01 (EF = 1.01 x S1 lb SO₂/mmBtu x 138,000 Btu/gal x mm/1 E06, where S1 = wt % sulfur in fuel based on 6NYCRR225-1.2 or vendor certification, e.g. if % S = 0.0015, then S1 = 0.0015).

Each calendar month, the facility-wide 12-month rolling total for SO₂ emissions shall be computed by adding the current monthly SO₂ emissions to the SO₂ emissions for the previous 11 months. BSC shall maintain records of the quantity of fuel burned for all sources. Records shall be based on verifiable data such as fuel metering data and/or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts.

BSC shall submit to the Regional Office of the Department, an annual SO₂ emission report which certifies that the facility has been operated within the limits imposed by the emission cap. The report shall list the types and monthly quantity of fuels burned for each source, the monthly SO₂ emissions with emission factors used for each source (if different than the factors specified in this condition), the total monthly SO₂ emissions, the rolling 12-month total SO₂ emissions for each consecutive month of the calendar year and a comparison to the 99 tpy limit. The annual report shall be submitted by January 30th for the previous calendar year.

The operation and maintenance of all combustion sources at the facility shall be conducted in accordance with the manufacturer's specifications, the Area Source Boiler MACT



(40CFR63, Subpart JJJJJ) tune-up requirements for the oil fired boilers and 40CFR60 Subpart JJJ/Subpart IIII for the emergency generators, as applicable. All records of inspections, adjustments, data, performance tests, maintenance, tune-ups and repair for each combustion source shall be kept for the most recent five years and shall be made available for review by NYSDEC representatives upon request.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 99 tons per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

Condition 6: Capping Monitoring Condition
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 6.1:

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 Subpart 201-6
6 NYCRR Subpart 227-2

Item 6.2:

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

Item 6.3:

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 6.4:

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 6.5:

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 6.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 6.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Buffalo State College shall not exceed a facility-wide total emission rate of 99 TPY of oxides of nitrogen (NO_x) to avoid the requirements of 6NYCRR Subpart 201-6: Title V Facility Permits and 6NYCRR Subpart 227-2: Reasonably Available Control Technology (RACT) for Oxides of Nitrogen (NO_x), as determined by summing the individual monthly emissions during any consecutive 12-month period. The major source applicability threshold for Title V and NO_x RACT is 100 tons of NO_x per year.

The permitted emission sources contributing to the facility NO_x emissions include four dual fueled (natural gas/ No. 6 fuel oil) boilers, with a maximum design heat input capacity of approximately 53 mmBtu/hr each (Emission Sources (ES) 0001A, 0001B, 0001C, and 0001D) and a 33.5 mmBtu/hr natural gas fired boiler (ES 0001E), equipped with a low-NO_x burner (ES Control CTL1E). These boilers, contained in Emission Unit U-00001, operate via Process 100 (boilers firing residual oil, excludes ES 0001E) and/or Process 200 (boilers firing natural gas). NO_x emissions from the following combustion sources, exempt from permitting in accordance with 6NYCRR Subpart 201-3.2 (c), shall also be included in the determination of facility-wide NO_x emissions: small natural gas fired stationary combustion units (less than 10 mmBtu/hr maximum design heat input capacity), diesel fired and natural gas fired internal combustion engines with power output less than 400 brake horsepower (Bhp) each, and natural gas-fired internal combustion engines with power output greater than 400 Bhp used to generate electricity in emergency situations.

Buffalo State College (BSC) must prepare monthly NO_x emission records. Monthly mass emission rates of NO_x



shall be determined with monthly fuel usage quantities and the following or similar formulas.

$\text{NOx (tons/mo)} = A + B + C + D + E + F = 99 \text{ tons/yr based on a 12-month rolling total}$

where,

A = Actual monthly NOx emissions in tons for Process 100.

$A = (0.075 \text{ lbs NOx/gallon}) \times (\text{gallons No. 6 oil burned/mo}) \times (\text{ton/2000 lb})$

B = Actual monthly NOx emissions in tons for Process 200 (excluding Emission Source 0001E).

$B = (0.000140 \text{ lbs NOx/ cf natural gas burned}) \times (\text{cf natural gas burned/mo}) \times (\text{ton/2000 lb})$

C = Actual monthly NOx emissions in tons for Process 200, Emission Source 0001E.

$C = (0.000075 \text{ lbs NOx/ cf natural gas burned}) \times (\text{cf natural gas burned/mo}) \times (\text{ton/2000 lb})$

D = Actual monthly NOx emissions in tons for small natural gas fired stationary combustion units (less than 10 MMBTU/hr maximum design heat input capacity).

$D = (0.0001 \text{ lbs NOx/ cf natural gas burned}) \times (\text{cf natural gas burned/mo}) \times (\text{ton/2000 lb})$

E = Actual monthly NOx emission rate in tons based on diesel oil usage for small emergency generators (internal combustion engine rated at 447 kW (600 hp) and below).

$E = (0.61 \text{ lb NOx /gal diesel burned}) \times (\text{gal diesel burned/mo}) \times (\text{ton/2000 lb})$

F = Actual monthly NOx emission rate in tons based on natural gas usage for emergency generators.

$F = (0.0042 \text{ lb NOx/cf natural gas burned}) \times (\text{cf natural gas burned/mo}) \times (\text{ton/2000lb})$

G = Actual monthly NOx emission rate in tons based on diesel usage for large emergency generators (internal combustion engine rated greater than 447 kW (600 hp)).

$G = (0.26 \text{ lb NOx/gal diesel burned}) \times (\text{gal diesel burned/mo}) \times (\text{ton/2000lb})$

References Cited for Emission Factors:

A: NYSDEC Air Guide 32: Nitrogen in Fuel, Page 4

B: USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1, Supplement F, July 1993, Table 1.4-2



Emission factors for SO₂, NO_x, and CO from natural gas combustion.

C: Cleaver Brooks Boiler Estimated Exhaust/Emission Performance Data for Boiler Model CB700-800-200#

D: USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1, Supplement F, July 1998, Table 1.4-1 Emission factors for NO_x, and CO from natural gas combustion, USEPA Compilation of Air Pollutant Emission Factors, AP42, Volume 1, Supplement F, July 1998.

E: Compilation of Air Pollutant Emission Factors (AP42), USEPA, 1996, 3.3 Gasoline And Diesel Industrial Engines, Table 3.3-1. Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines, Diesel Fuel: SCC 2-02-001-02 and 2-03-001-01 (EF = 4.41 lb NO_x/mmBtu x 138,000 Btu/gal x mm/1.0 E+06).

F: Compilation of Air Pollutant Emission Factors (AP42), USEPA, 2000, 3.2 Natural Gas-fired Reciprocating Engines, Table 3.2-2. Uncontrolled Emission Factors For 4-Stroke Lean-Burn Engines (SCC 2-02-002-54), NO_x: 90 - 105% Load (EF = 4.08 lb/mmBtu x 1020 Btu/scf x mm/1.0 E+06).

G: Compilation of Air Pollutant Emission Factors (AP42), USEPA, 1996, 3.4 Large Stationary Diesel And All Stationary Dual-fuel Engines, Table 3.4-1 "Gaseous Emission Factors for Large Stationary Diesel and All Stationary Dual-Fuel Engines", SCC 2-02-004-01 (EF = 3.2 lb NO_x/mmBtu x 138,000 Btu/gal x mm/1.0 E+06).

Each calendar month, the facility-wide 12-month rolling total for NO_x emissions shall be computed by adding the current monthly NO_x emissions to the NO_x emissions for the previous 11 months. BSC shall maintain records of the quantity of fuel burned for all sources. Records shall be based on verifiable data such as fuel metering data and/or fuel purchase records to confirm the general accuracy of the monthly fuel usage amounts.

BSC shall submit to the Regional Office of the Department, an annual NO_x emission report which certifies that the facility has been operated within the limits imposed by the emission cap. The report shall list the types and monthly quantity of fuels burned for each source, the monthly NO_x emissions with emission factors used for each source (if different than the factors specified in this condition), the total monthly NO_x emissions, the rolling 12-month total NO_x emissions for each consecutive month of the calendar year and a comparison to the 99 tpy limit. The annual report shall be submitted by January 30th for



the previous calendar year.

The operation and maintenance of all combustion sources at the facility shall be conducted in accordance with the manufacturer's specifications, the Area Source Boiler MACT (40CFR63, Subpart JJJJJ) tune-up requirements for the oil fired boilers and 40CFR60 Subpart JJJJ/Subpart IIII for the emergency generators, as applicable. All records of inspections, adjustments, data, performance tests, maintenance, tune-ups and repair for each combustion source shall be kept for the most recent five years and shall be made available for review by NYSDEC representatives upon request.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 99 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 12-month total, rolled monthly
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2014.
Subsequent reports are due every 12 calendar month(s).

Condition 7: Air pollution prohibited
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 211.1

Item 7.1:
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 8: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 225-1.2

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

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

Item 8.2:

New York State Department of Environmental Conservation

Permit ID: 9-1402-00573/00010

Facility DEC ID: 9140200573



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 and are limited to the firing of distillate oil including number two heating oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016.

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 9: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

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

Item 9.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 9.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the purchase of residual oil with a sulfur content of 0.50 percent sulfur by weight or less on or after July 1, 2014, and are limited to the firing of residual oil with a sulfur content of 0.50 percent sulfur by weight or less on or after July 1, 2016.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)

Parameter Monitored: SULFUR CONTENT



Upper Permit Limit: 0.50 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 10: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 225-1.6

Item 10.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (a) The department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack sampling, stack monitoring, and other procedures to ensure compliance with the provisions of this Subpart.
- (b) (1) Any person who sells oil and/or coal must retain, for at least five years, records containing the following information:
 - (i) fuel analyses and data on the quantities of all oil and coal received; and
 - (ii) the names of all purchasers, fuel analyses, and data on the quantities of all oil and coal sold.
- (c) Sampling, compositing, and analysis of fuel samples must be done in accordance with methods acceptable to the department.
- (d) Facility owners or fuel distributors required to maintain and retain records pursuant to this Subpart must make such records available for inspection by the department.
- (e) 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.

(f) Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 11: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 11.1:

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

Emission Unit: U-00001 Emission Point: BSC01
Process: 100

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

Item 11.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Operators of oil-fired boilers which 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 for each boiler which is operating on oil 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:

- date and time of day
- observer's name
- identity of emission point
- weather condition
- was a plume observed?
- cause/corrective action taken

Inclement weather conditions shall be recorded for those days when observations are prohibited. 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**) two consecutive days firing oil (the firing of other fuels in between days of firing oil does not count as an interruption in the consecutive days of firing oil), then a 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. However, any time that the opacity observed seems excessive and/or unusual, immediate attention is required to correct the problem causing the opacity. The cause and corrective action taken shall be documented in the daily logbook.

At all times stationary combustion installations shall be operated and maintained according to manufacturer's specifications to ensure proper performance and compliance with the regulatory limit for opacity. Records demonstrating hours of operation, fuel usage, the manufacturer's maintenance requirements and procedures and maintenance performed for these sources shall be maintained on-site for five years and be readily available to NYSDEC representatives upon request.

Compliance with these monitoring, recordkeeping and reporting requirements may be used to verify compliance with 6NYCRR211.2.

** 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: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 228-1.1 (b) (9)

Item 12.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 12.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Buffalo State College is not subject to the VOC control requirements under Subpart 228-1 if facility wide use of coatings, as applied, on a 12-month rolling total basis does not exceed fifty-five (55) gallons. This exemption is contingent on the owner or operator of the facility maintaining records of such surface coatings, and maintaining compliance with all requirements of Section 228-1.3: General Requirements, of this Subpart. Mobile equipment repair and refinishing or color matched coating lines do not qualify for this exemption.

Buffalo State College shall maintain monthly records including purchase orders, receipts, usage logs and other pertinent information for all coatings, as applied (includes thinning solvents and other coating additives) for all methods of application, i.e. manual and mechanical. Each calendar month, the facility-wide 12-month rolling total for coatings, as applied, shall be computed by adding the current monthly usage to the usage

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Facility DEC ID: 9140200573



for the previous 11 months and compared to the facility wide 55 gallon limit. BSC shall maintain records onsite for a minimum of 5 years and make all records available to NYSDEC representatives upon request.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: COATING MIXED

Upper Permit Limit: 55 gallons

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 12-month total, rolled monthly

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 13: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 228-1.3 (a)

Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 13.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions when the spray painting is in operation. If any visible emissions are identified, corrective action is required immediately. Details regarding the visible emissions surveys shall be recorded in a logbook or electronically on a secure server. This log must be maintained onsite for a minimum of 5 years and shall be available for NYSDEC review upon request. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: EPA Reference Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 14: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 228-1.3 (b) (2)

Item 14.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 14.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and operators of emission sources not subject to this Subpart as set forth in Paragraphs 228-1.1(b)(9) or (13) of this Part, or those sources that are using coatings not subject to specific requirements of this Subpart as set forth in Paragraph 228-1.3(e)(2), or Clauses 228-1.4(b)(5)(iii)(e), 228-1.4(b)(5)(iii)(i) or 228-1.4(b)(5)(iv) of this Part, must maintain records on an as used basis. The records must include the relevant regulatory citation of each exemption and quantity of coating used. If the exemption criteria are based on VOC usage, the records must contain calculations and supplier/manufacturer material data sheets for verification of VOC usage. All records required by this Paragraph must be maintained at the facility for a period of five years.

Monitoring Frequency: MONTHLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 15: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:6 NYCRR 228-1.3 (c)

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:

Prohibition of sale or specification.

(1) No person shall sell, supply, offer for sale, solicit,



use, specify, or require for use, the application of a coating on a part or product at a facility with a coating line described in Section 228-1.1(a) of this Subpart if such sale, specification, or use is prohibited by any of the provisions of this Subpart. The prohibition shall apply to all written or oral contracts under the terms of which any coating is to be applied to any part or product at an affected facility. This prohibition shall not apply to the following:

(i) coatings utilized at surface coating lines where control equipment has been installed to meet the maximum permitted VOC content limitations specified in the tables of Section 228-1.4 of this Subpart;

(ii) coatings utilized at surface coating lines where a coating system is used which meets the requirements specified in Subdivision 228-1.5(d) of this Subpart; and

(iii) coatings utilized at surface coating lines that have been granted variances pursuant to Subdivision 228-1.5(e) of this Subpart.

(2) Any person selling a coating for use in a coating line subject to this Part must, upon request, provide the user with certification of the VOC content of the coating supplied.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 16: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement: 6 NYCRR 228-1.3 (d)

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:

Handling, storage and disposal of volatile organic compounds.

Within the work area(s) associated with a coating line,



the owner or operator of a facility subject to this Subpart must:

- (1) use closed, non-leaking containers to store or dispose of cloth or other absorbent applicators impregnated with VOC solvents that are used for surface preparation, cleanup or coating removal;
- (2) store in closed, non-leaking containers spent or fresh VOC solvents to be used for surface preparation, cleanup or coating removal;
- (3) not use VOC solvents to cleanup spray equipment unless equipment is used to collect the cleaning compounds and to minimize VOC evaporation;
- (4) not use open containers to store or dispense surface coatings and/or inks unless production, sampling, maintenance or inspection procedures require operational access. This provision does not apply to the actual device or equipment designed for the purpose of applying a coating material to a substrate. These devices may include, but are not limited to: spray guns, flow coaters, dip tanks, rollers, knife coaters, and extrusion coaters;
- (5) not use open containers to store or dispose of spent surface coatings, or spent VOC solvents;
- (6) minimize spills during the handling and transfer of coatings and VOC solvents; and
- (7) clean hand held spray guns by one of the following:
 - (i) an enclosed spray gun cleaning system that is kept closed when not in use;
 - (ii) non-atomized discharge of VOC solvent into a paint waste container that is kept closed when not in use;
 - (iii) disassembling and cleaning of the spray gun in a vat that is kept closed when not in use; or
 - (iv) atomized spray into a paint waste container that is fitted with a device designed to capture atomized VOC solvent emissions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 17: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement: 40CFR 60, NSPS Subpart III

Item 17.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 0NY998-00-0	VOC
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 17.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emergency generators operated by BSC may be subject to the requirements of 40 CFR Part 60, Subpart III—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. BSC shall identify all applicable requirements specified in this Subpart and maintain a plan to ensure compliance with any applicable requirements. The compliance plan shall identify all existing and new emergency generators owned and/or operated by BSC and shall include the location of each engine, manufacturer, model number, model year, fuel type, input, ratings, maximum power output, rpm, displacement, the manufacture and installation dates, Subpart III applicability with justification, citations for all applicable requirements and how BSC will ensure and verify compliance with each applicable requirement (e.g. proof of certification or performance testing (if necessary) to meet emission standards, non-resettable hour meters, operating logs, maintenance logs, etc.) and any other pertinent information. The compliance plan shall be updated, as necessary. BSC shall maintain all applicable records including notifications, reports, manufacturer's specifications, certifications, maintenance, etc. onsite and have them readily available for NYSDEC review upon request.

BSC is also responsible for complying with all applicable requirements specified under 40 CFR Part 60, Subpart A. Internal combustion engines, constructed or reconstructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart III meet the requirements of 40 CFR 63 Subpart ZZZZ.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 18: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement: 40CFR 60, NSPS Subpart JJJJ

Item 18.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0	CARBON MONOXIDE
CAS No: 0NY998-00-0	VOC
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 18.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emergency generators operated by BSC may be subject to the requirements of 40 CFR Part 60, Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. BSC shall identify all applicable requirements specified this Subpart and maintain a plan to ensure compliance with any applicable requirements. The compliance plan shall identify all existing and new emergency generators owned and/or operated by BSC and shall include the location of each engine, manufacturer, model number, model year, fuel type, input, ratings, maximum power output, rpm, displacement, the manufacture and installation dates, Subpart JJJJ applicability with justification, citations for all applicable requirements and how BSC will ensure and verify compliance with each applicable requirement (e.g. proof of certification or performance testing (if necessary) to meet emission standards, non-resettable hour meters, operating logs, maintenance logs, etc.) and any other pertinent information. The compliance plan shall be updated, as necessary. BSC shall maintain all applicable records including notifications, reports, manufacturer's specifications, certifications, maintenance, etc. onsite and have them readily available for NYSDEC review upon request.

BSC is also responsible for complying with all applicable requirements specified under 40 CFR Part 60, Subpart A. Internal combustion engines, constructed or reconstructed on or after June 12, 2006, that meet the requirements of 40 CFR 60 Subpart JJJJ meet the requirements of 40 CFR 63



Subpart ZZZZ.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 19: General Provisions
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:40CFR 63, Subpart A

Item 19.1:

This emission source is subject to the applicable provisions of 40 CFR 63 Subpart A. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

Condition 20: Applicability
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:40CFR 63, Subpart JJJJJ

Item 20.1:

This Condition applies to:

Emission Unit: U00001
Process: 100 Emission Source: 0001A

Emission Unit: U00001
Process: 100 Emission Source: 0001B

Emission Unit: U00001
Process: 100 Emission Source: 0001C

Emission Unit: U00001
Process: 100 Emission Source: 0001D

Item 20.2:

Facilities that are area sources of HAP with industrial, commercial, or institutional boilers must comply with applicable portions of 40 CFR 63 JJJJJ.

Condition 21: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:40CFR 63.11223(a), Subpart JJJJJ

Item 21.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 21.2:

Compliance Demonstration shall include the following monitoring:

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Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For affected sources subject to the work practice standard or the management practices of a tune-up, the owner or operator must conduct a performance tune-up according to 40 CFR 63.11223(b) and keep records as required in 40 CFR 63.11225(c) to demonstrate continuous compliance. The owner or operator must conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 22: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:40CFR 63.11223(b), Subpart JJJJJ

Item 22.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-00001	Emission Point: BSC01
Process: 100	Emission Source: 0001A
Emission Unit: U-00001	Emission Point: BSC01
Process: 100	Emission Source: 0001B
Emission Unit: U-00001	Emission Point: BSC01
Process: 100	Emission Source: 0001C
Emission Unit: U-00001	Emission Point: BSC01
Process: 100	Emission Source: 0001D

Item 22.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) Except as specified in paragraphs (c) through (f) of this section, you must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in paragraphs (b)(1) through (7) of this section. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up. For a new or reconstructed boiler, the first biennial tune-up must be no later than 25 months after the initial startup of the



new or reconstructed boiler.

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection.

(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection.

(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject.

(5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(6) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (b)(6)(i) through (iii) of this section.

(i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.

(ii) A description of any corrective actions taken as a part of the tune-up of the boiler.

(iii) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one

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type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 23: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:40CFR 63.11225, Subpart JJJJJ

Item 23.1:

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

Emission Unit: U-00001 Process: 100	Emission Point: BSC01 Emission Source: 0001A
Emission Unit: U-00001 Process: 100	Emission Point: BSC01 Emission Source: 0001B
Emission Unit: U-00001 Process: 100	Emission Point: BSC01 Emission Source: 0001C
Emission Unit: U-00001 Process: 100	Emission Point: BSC01 Emission Source: 0001D

Item 23.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Buffalo State College operates 4 dual fueled (natural gas and No. 6 residual oil) boilers that are subject to the requirements of 40CFR63, Subpart JJJJJ.

(b) For boilers that are subject only to a requirement to conduct a biennial or 5-year tune-up according to § 63.11223(a) and not subject to emission limits or operating limits, you may prepare only a biennial or 5-year compliance report as specified in paragraphs (b)(1) and (2) of this section.

- (1) Company name and address.
- (2) Statement by a responsible official, with the official's name, title, phone number, email 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 certification(s) of compliance, as applicable, and signed by a responsible official:

(i) "This facility complies with the requirements in § 63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."

(c) You must maintain the records specified in paragraphs (c)(1) through (7) of this section.

(1) As required in § 63.10(b)(2)(xiv), you must keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

(2) You must keep records to document conformance with the work practices, emission reduction measures, and management practices required by § 63.11214 and § 63.11223 as specified in paragraphs (c)(2)(i) through (vi) of this section.

(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.

(iii) For each boiler required to conduct an energy assessment as defined in § 63.11237, you must keep a copy of the energy assessment report.

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

(d) Your records must be in a form suitable and readily available for expeditious review. You must keep each record 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 provide access at the site for at least 2 years after the date of each recorded action. You may keep the records off site for the remaining 3 years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Mandatory greenhouse gas reporting
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable Federal Requirement:40 CFR Part 98

Item 24.1:

40 CFR Part 98 establishes mandatory greenhouse gas (GHG) reporting requirements for owners

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and operators of certain facilities that directly emit GHG as well as for certain fossil fuel suppliers and industrial GHG suppliers. For suppliers, the GHGs reported are the quantity that would be emitted from combustion or use of the products supplied.

Owners and operators of facilities and suppliers that are subject to 40 CFR Part 98 must follow the requirements of subpart A and all applicable subparts of 40 CFR Part 98. If a conflict exists between a provision in subpart A and any other applicable subpart, the requirements of the applicable subpart shall take precedence.

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

**Condition 25: EPA Region 2 address.
Effective between the dates of 09/18/2013 and 10/01/2022**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 25.1:

This Condition applies to Emission Unit: U-00001
Process: 200 Emission Source: 0001E

Item 25.2:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

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

**Condition 26: Recordkeeping requirements.
Effective between the dates of 09/18/2013 and 10/01/2022**

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 26.1:

This Condition applies to Emission Unit: U-00001 Emission Point: BSC02

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Process: 200

Emission Source: 0001E

Item 26.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 27: Applicability of this Subpart to this emission source
Effective between the dates of 09/18/2013 and 10/01/2022**

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

Item 27.1:

This Condition applies to Emission Unit: U-00001 Emission Point: BSC02
Process: 200 Emission Source: 0001E

Item 27.2:

This emission source is 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 28: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022**

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

Item 28.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001 Emission Point: BSC02
Process: 200 Emission Source: 0001E

Item 28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. Records shall be maintained onsite for at least five years and shall be made available to NYSDEC representatives upon request.



Monitoring Frequency: MONTHLY
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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 29: Contaminant List
Effective between the dates of 09/18/2013 and 10/01/2022



Applicable State Requirement:ECL 19-0301

Item 29.1:

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: 007446-09-5
Name: SULFUR DIOXIDE

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

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

CAS No: 0NY750-00-0
Name: CARBON DIOXIDE EQUIVALENTS

CAS No: 0NY998-00-0
Name: VOC

**Condition 30: Malfunctions and start-up/shutdown activities
Effective between the dates of 09/18/2013 and 10/01/2022**

Applicable State Requirement:6 NYCRR 201-1.4

Item 30.1:

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

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

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working



hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

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

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

Condition 31: Emission Unit Definition
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 31.1:

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

Emission Unit: U-00001

Emission Unit Description:

This emission unit consists of the campus power plant located in Building 45 containing five boilers, which produce steam for space heating throughout the college campus. Boilers 1-4 (Emission Sources 0001A, 0001B, 0001C and 0001D) fire residual oil or natural gas and have a maximum heat input capacity of 53 mmBtu/hr, each. Boiler 5 is equipped with a low-NOx burner, fires only natural gas and has a maximum design heat input capacity of 33.5 mmBtu/hr. The four dual fueled boilers exhaust through a common stack, EP BSC01, with a current potential stack heat input of 212 mmBtu/hr. Boiler No. 5 exhausts through EP BSC02.

Building(s): 45

Condition 32: Renewal deadlines for state facility permits
Effective between the dates of 09/18/2013 and 10/01/2022

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

Item 32.1:

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 33: Compliance Demonstration
Effective between the dates of 09/18/2013 and 10/01/2022



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

Item 33.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 33.2:

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 34: Visible Emissions Limited

Effective between the dates of 09/18/2013 and 10/01/2022

Applicable State Requirement:6 NYCRR 211.2

Item 34.1:

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 35: Emission Point Definition By Emission Unit

Effective between the dates of 09/18/2013 and 10/01/2022

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 35.1:

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

Emission Unit: U-00001

Emission Point: BSC01

Height (ft.): 154

Diameter (in.): 120

NYTMN (km.): 4760.679

NYTME (km.): 183.031

Building: 45



Emission Point: BSC02
Height (ft.): 45 Diameter (in.): 36
NYTMN (km.): 4760.647 NYTME (km.): 183.049 Building: 45

Condition 36: Process Definition By Emission Unit
Effective between the dates of 09/18/2013 and 10/01/2022

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 36.1:

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

Emission Unit: U-00001
Process: 100 Source Classification Code: 1-03-004-02
Process Description:
Process 100 is the combustion of residual oil in any of
the four 53 mmBTU/hr power plant boilers to produce steam
for space heating.

Emission Source/Control: 0001A - Combustion
Design Capacity: 53 million Btu per hour

Emission Source/Control: 0001B - Combustion
Design Capacity: 53 million Btu per hour

Emission Source/Control: 0001C - Combustion
Design Capacity: 53 million Btu per hour

Emission Source/Control: 0001D - Combustion
Design Capacity: 53 million Btu per hour

Item 36.2:

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

Emission Unit: U-00001
Process: 200 Source Classification Code: 1-03-006-02
Process Description:
Process 200 is the combustion of natural gas in any of
the five power plant boilers to produce steam for space
heating.

Emission Source/Control: 0001A - Combustion
Design Capacity: 53 million Btu per hour

Emission Source/Control: 0001B - Combustion
Design Capacity: 53 million Btu per hour

Emission Source/Control: 0001C - Combustion
Design Capacity: 53 million Btu per hour

Emission Source/Control: 0001D - Combustion
Design Capacity: 53 million Btu per hour

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Emission Source/Control: 0001E - Combustion
Design Capacity: 33.5 million Btu per hour

Emission Source/Control: CTL1E - Control
Control Type: LOW NOx BURNER

