

## PERMIT Under the Environmental Conservation Law (ECL)

#### **IDENTIFICATION INFORMATION**

Permit Type: Air State Facility
Permit ID: 4-3817-00013/00004

Mod 0 Effective Date: 08/08/2013 Expiration Date: 08/07/2023

Mod 1 Effective Date: 06/05/2017 Expiration Date: 08/07/2023

Permit Issued To:HUDSON VALLEY COMMUNITY COLLEGE

80 VANDENBURGH AVE

TROY, NY 12180

Contact: LAURIE S VIVEKANAND

HUDSON VALLEY COMMUNITY COLLEGE

80 VANDENBURG AVE

TROY, NY 12180 (518) 629-7163

Facility: HUDSON VALLEY COMMUNITY COLLEGE

80 VANDENBURGH AVE - US RTE 4

TROY, NY 12180

#### Description:

This Department Initiated Modification was created to address AFS citations that were not included when the REN 1 MOD 0 was issued.

Hudson Valley Community College is an educational facility serving approximately 11,000 students each semester, and employing 500 full and part-time faculty members. The facility uses five natural gas fired engines, and one emergency diesel engine to meet power needs at the facility. In addition, the facility also operates a crematorium.



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.

NANCY M BAKER				
NYSDEC - REGION 4				
1130 N WESTCOTT RD				
SCHENECTADY, NY 12306-2014				
	Date:	/	/	
	NYSDEC - REGION 4 1130 N WESTCOTT RD	NYSDEC - REGION 4 1130 N WESTCOTT RD SCHENECTADY, NY 12306-2014	NYSDEC - REGION 4 1130 N WESTCOTT RD SCHENECTADY, NY 12306-2014	NYSDEC - REGION 4 1130 N WESTCOTT RD



#### **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 4 HEADQUARTERS

#### DEC SPECIAL CONDITIONS

Hours per year limit on diesel engine Noise complaint log Restrictions on startup of diesel generator



# DEC GENERAL CONDITIONS \*\*\*\* General Provisions \*\*\*\* GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1-1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

#### Item 1-1.1:

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 1-1.2:

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 1-1.3:

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 1-2: Relationship of this Permit to Other Department Orders and Determinations

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

#### Item 1-2.1:

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 1-3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

#### Item 1-3.1:

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.

#### Item1-3.2:

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

#### Item 1-3.3

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

> DEC Permit Conditions Renewal 1/Mod 1/FINAL

submitted prior to actual transfer of ownership.

Condition 1: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

#### Item 1.1:

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 1-4: Submission of application for permit modification or

renewal-REGION 4

**HEADQUARTERS** 

**Applicable State Requirement:** 6 NYCRR 621.6 (a)

#### Item 1-4.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator Region 4 Headquarters Division of Environmental Permits 1130 North Westcott Rd. Schenectady, NY 12306-2014

(518) 357-



#### **DEC SPECIAL CONDITIONS**

2069

Condition 2: Hours per year limit on diesel engine

**Applicable State Requirement:** 6 NYCRR 617.11

#### Item 2.1:

The diesel generator (CG005) shall not be operated in excess of 500 hours per 12-month period rolled monthly.

**Condition 3: Noise complaint log** 

**Applicable State Requirement:** 6 NYCRR 617.11

#### Item 3.1:

The permittee shall maintain a detailed log/record of all noise complaints received and shall provide such records to the Department upon request. The log shall include at a minimum the date and time of each complaint; the nature of the complaint; the name and address of the complainant and the identification of which engines were operating at the time the complaint was received.

Condition 4: Restrictions on startup of diesel generator
Applicable State Requirement: 6 NYCRR 617.11

#### Item 4.1:

All maintenance activities that require the start up of the diesel generator (CG005) shall only be performed Monday through Friday between the hours of 7:30AM and 5:00PM. Maintenance activities are prohibited on Saturdays, Sundays, and the following holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving, and Christmas.



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#### ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY

#### **PERMIT**

#### **IDENTIFICATION INFORMATION**

Permit Issued To:HUDSON VALLEY COMMUNITY COLLEGE 80 VANDENBURGH AVE TROY, NY 12180

Facility: HUDSON VALLEY COMMUNITY COLLEGE

80 VANDENBURGH AVE - US RTE 4

TROY, NY 12180

Authorized Activity By Standard Industrial Classification Code: 4931 - ELEC & OTHER SERVICES COMBINED

Mod 0 Permit Effective Date: 08/08/2013 Permit Expiration Date: 08/07/2023

Mod 1 Permit Effective Date: 06/05/2017 Permit Expiration Date: 08/07/2023



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#### LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS Facility Level

- 1 6 NYCRR 201-3.2 (a): Exempt Sources Proof of Eligibility
- 1-1 6 NYCRR 201-3.2 (a): Compliance Demonstration
- 1-2 6 NYCRR 202-1.1: Required Emissions Tests
- 1-3 6 NYCRR 201-3.1 (a): Exempt and Trivial Activities Applicability
- 2 6 NYCRR 201-7.1: Facility Permissible Emissions
- \*3 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*4 6 NYCRR 201-7.1: Capping Monitoring Condition
- \*5 6 NYCRR 201-7.1: Capping Monitoring Condition
- 1-4 6 NYCRR 202-1.2: Notification
- 6 6 NYCRR 211.1: Air pollution prohibited
- 7 6 NYCRR 225-1.2 (f): Compliance Demonstration
- 1-5 6 NYCRR 227-1.6: Corrective Action
- 8 40CFR 63, Subpart ZZZZ: Applicability
- 9 40CFR 63.6595(a)(1), Subpart ZZZZ: Compliance date for existing RICE
- 10 40CFR 63.6665, Subpart ZZZZ: General provisions

#### **Emission Unit Level**

#### EU=E-U0001

1-6 6 NYCRR 227-1.3 (a): Compliance Demonstration

#### EU=E-U0002

- 1-7 6 NYCRR 219-5.2 (a): Compliance Demonstration
- 1-8 6 NYCRR 219-5.3 (a): Compliance Demonstration
- 1-9 6 NYCRR 219-5.4 (b): Emissions testing.
- 1-10 6 NYCRR 219-5.5: Abatement

### STATE ONLY ENFORCEABLE CONDITIONS Facility Level

- 1-11 ECL 19-0301: Contaminant List
- 11 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 1-12 6 NYCRR Subpart 201-5: Emission Unit Definition
- 12 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 13 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 14 6 NYCRR 211.2: Visible Emissions Limited

NOTE: \* preceding the condition number indicates capping.



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## 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,



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required to operate such device effectively.

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

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

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

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

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

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

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

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

#### Item H: Proof of Eligibility for Sources Defined as Trivial



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#### Activities - 6 NYCRR 201-3.3 (a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

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

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

#### Item J: Open Fires Prohibitions - 6 NYCRR 215.2

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

#### Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

#### Item L: Federally Enforceable Requirements - 40 CFR 70.6 (b)



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All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

**Condition 1: Exempt Sources - Proof of Eligibility** 

Effective between the dates of 08/08/2013 and 08/07/2023

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

#### Item 1.1:

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

**Condition 1-1: Compliance Demonstration** 

Effective between the dates of 06/05/2017 and 08/07/2023

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

The Compliance Demonstration activity will be performed for the Facility.

#### Item 1-1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

**OPERATIONS** 

Monitoring Description:

AS PROOF OF EXEMPT ELIGIBILITY FOR THE EMERGENCY GENERATORS. THE FACILITY MUST

MAINTAIN MONTHLY RECORDS WHICH

DEMONSTRATE THAT EACH ENGINE IS OPERATED

LESS THAN 500 HOURS PER YEAR, ON A 12-MONTH ROLLING TOTAL BASIS.

Work Practice Type: HOURS PER YEAR OPERATION

Upper Permit Limit: 500.0 hours Monitoring Frequency: MONTHLY



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Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-2:** Required Emissions Tests

Effective between the dates of 06/05/2017 and 08/07/2023

Applicable Federal Requirement: 6 NYCRR 202-1.1

#### Item 1-2.1:

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

Condition 1-3: Exempt and Trivial Activities Applicability

Effective between the dates of 06/05/2017 and 08/07/2023

Applicable Federal Requirement: 6 NYCRR 201-3.1 (a)

#### Item 1-3.1:

If the facility owner and/or operator performs any of the exempt and trivial activities listed in 6 NYCRR Part 201-3.2(c) or 201-3.3(c), such activities are exempt from the permitting provisions of 6 NYCRR Part 201-5, but not from other Parts of 6 NYCRR Chapter III, or from applicable permitting requirements of local air pollution control agencies.

**Condition 2:** Facility Permissible Emissions

Effective between the dates of 08/08/2013 and 08/07/2023

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

#### Item 2.1:

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

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

CAS No: 000630-08-0 (From Mod 1) PTE: 190,000 pounds

per year

Name: CARBON MONOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 190,000 pounds

per year

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0 (From Mod 1) PTE: 79,000 pounds

per year

Name: VOC

**Condition 3: Capping Monitoring Condition** 

Effective between the dates of 08/08/2013 and 08/07/2023



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

#### Item 3.1:

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

6 NYCRR Subpart 201-6 6 NYCRR Subpart 231-2

#### Item 3.2:

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

#### Item 3.3:

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

#### Item 3.4:

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

#### Item 3.5:

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

#### Item 3.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

#### Item 3.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility is capping out of Title V requirements with a carbon monoxide (CO) emission limit of 95 tons/yr calculated on a twelve month rolling total basis. The



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facility will calculate CO emissions for each engine, using the following data; the manufacturer's emission factors for 3 possible operating points (50%, 75%,100%) depending on the actual load reported in g/bhp-hr units, the corresponding operating brake horsepower and, the actual hours run. This emissions data will be recorded for each operating minute, averaged for the day and recorded for the month.

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 95 tons per year Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL 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 4: Capping Monitoring Condition** 

Effective between the dates of 08/08/2013 and 08/07/2023

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 6 NYCRR Subpart 231-2

#### 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:



#### New York State Department of Environmental Conservation Permit ID: 4-3817-00013/00004 Facility DEC ID: 4381700013

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: 0NY210-00-0 OXIDES OF NITROGEN

#### 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:

The facility is capping out of Title V requirements with a oxides of nitrogen (NOx) emission limit of 95 tons/yr calculated on a twelve month rolling total basis. The facility will calculate NOx emissions for each engine, using the following data; the manufacturer's emission factors for 3 possible operating points (50%, 75%,100%) depending on the actual load reported in g/bhp-hr units, the corresponding operating brake horsepower and, the actual hours run. This emissions data will be recorded for each operating minute, averaged for the day and recorded for the month.

The 95 tons/yr NOx limit will also cap the facility out of NOx RACT requirements of Part 227-2.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 95 tons per year Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL 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 08/08/2013 and 08/07/2023

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



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6 NYCRR Subpart 231-2

#### 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.

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: 0NY998-00-0 VOC

#### 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:

The facility is capping out of Title V requirements with a volatile organic compounds (VOC) emission limit of 39.5 tons/yr calculated on a twelve month rolling total basis. The facility shall calculate VOC emissions for each engine, using the following data; the manufacturer's emission factors for 3 possible operating points (50%,75%,100%) depending on the actual load recorded in g/bhp-hr, the corresponding operating brake horsepower and, the actual hours run. The emissions data will be recorded for each operating minute, averaged for the day and recorded for the month.

Parameter Monitored: VOC



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Upper Permit Limit: 39.5 tons per year Monitoring Frequency: MONTHLY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -

SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2014.

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

**Condition 1-4:** Notification

Effective between the dates of 06/05/2017 and 08/07/2023

Applicable Federal Requirement: 6 NYCRR 202-1.2

#### Item 1-4.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 6: Air pollution prohibited

Effective between the dates of 08/08/2013 and 08/07/2023

Applicable Federal Requirement: 6 NYCRR 211.1

#### Item 6.1:

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 7: Compliance Demonstration** 

Effective between the dates of 08/08/2013 and 08/07/2023

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

#### Item 7.1:

The Compliance Demonstration activity will be performed for the Facility.

#### Item 7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC

**OPERATIONS** 

Monitoring Description:

Owners and/or operators of commercial, industrial, or residential emission sources that fire number two heating



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oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less. Compliance with this limit will be based on vendor certifications.

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: NUMBER 2 HEATING 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 1-5: Corrective Action**

Effective between the dates of 06/05/2017 and 08/07/2023

#### Applicable Federal Requirement: 6 NYCRR 227-1.6

#### Item 1-5.1:

- (a) Any person found to have violated any provision of this Part shall not cause, permit or allow operation of the stationary combustion installation involved in the violation unless:
  - (1) it is equipped with approved emission control equipment;
  - (2) it is rehabilitated or upgraded in an approved manner; or
  - (3) the fuel is changed to an acceptable type.
- (b) The commissioner may seal such stationary combustion installation so as to prevent any operation if the conditions of paragraph (a)(1)-(3) above are not met within the time provided by the order of final determination issued in the case of the violation.
- (c) No person shall cause, permit or allow operation of any stationary combustion installation sealed by the commissioner in accordance with this section.
- (d) No person except the commissioner or his representative shall remove, tamper with or destroy any seal affixed to any stationary combustion installation.

**Condition 8: Applicability** 

Effective between the dates of 08/08/2013 and 08/07/2023



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

#### Item 8.1:

This Condition applies to:

Emission Unit: EU0001

#### Item 8.2:

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

Condition 9: Compliance date for existing RICE

Effective between the dates of 08/08/2013 and 08/07/2023

Applicable Federal Requirement:40CFR 63.6595(a)(1), Subpart ZZZZ

#### Item 9.1:

This Condition applies to:

Emission Unit: EU0001

#### Item 9.2:

The owner or operator of an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. The owner or operator of an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. The owner or operator of an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

**Condition 10:** General provisions

Effective between the dates of 08/08/2013 and 08/07/2023

Applicable Federal Requirement: 40CFR 63.6665, Subpart ZZZZ

#### Item 10.1:

Table 8 of 40 CFR 63 Subpart ZZZZ shows which parts of the General Provisions 40 CFR 63.1 through 40 CFR 63.15 apply to this facility. Facility is responsible for ensuring they comply with all General Provisions contained in Table 8.



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

**Condition 1-6:** Compliance Demonstration

Effective between the dates of 06/05/2017 and 08/07/2023

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

#### Item 1-6.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0001

#### Item 1-6.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity (on a six minute block period) except for one six minute block period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

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

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - weather condition
  - was a plume observed?

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

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



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

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

Parameter Monitored: OPACITY Upper Permit Limit: 20 percent Reference Test Method: METHOD 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION** 

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-7: Compliance Demonstration** 

Effective between the dates of 06/05/2017 and 08/07/2023

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

#### Item 1-7.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

#### Item 1-7.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

All incinerators having a capacity of 2,000 pounds per hour or less and built and installed after January 1, 1968, must be designed, built, installed, and operated to meet the emission limits of Figure 1, Appendix 2 of the regulation.

Within 1 year of the effective date of this permit, the



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> permittee shall perform a stack test of Emission Source UnitR to determine compliance with the particulate emission limit of 0.3 pounds per hour. The stack testing shall be performed in accordance with 6NYCRR Part 202-1.

Upper Permit Limit: 0.3 pounds per hour

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION** 

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-8: **Compliance Demonstration** 

Effective between the dates of 06/05/2017 and 08/07/2023

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

#### Item 1-8.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-U0002

#### Item 1-8.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

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

Operators of incinerators shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day when the incinerator is in operation for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
  - weather condition
  - was a plume observed?



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

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

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

Parameter Monitored: OPACITY Upper Permit Limit: 20 percent Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

**DESCRIPTION** 

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

#### **Condition 1-9:** Emissions testing.

Effective between the dates of 06/05/2017 and 08/07/2023

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

#### Item 1-9.1:

This Condition applies to Emission Unit: E-U0002

Item 1-9.2:

The incinerator must be tested using emissions tests acceptable to the commissioner.

Units which are representative models may be tested instead of an actual installation, using emission tests acceptable to the commissioner.

#### Condition 1-10: Abatement

Effective between the dates of 06/05/2017 and 08/07/2023



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

#### Item 1-10.1:

This Condition applies to Emission Unit: E-U0002

#### Item 1-10.2:

- (a) Where the commissioner has reason to believe that an incinerator installation is violating the emission standards of section 219-5.2 of 6NYCRR, Subpart 219-5, the commissioner may have tests conducted. The owner must provide, at the owner's own expense, sampling holes and pertinent allied facilities as needed, at the request of the commissioner.
- (b) If such tests indicate a contravention of the emission limits, the commissioner may require the installation of appropriate control equipment or the commissioner may seal the incinerator is such equipment is not installed within the time limit specified by the commissioner.
- (c) The Commissioner may order the cleaning, repair, replacement or alteration of any equipment or control equipment which causes or is operated so as to cause a violation of 6NYCRR Subpart 219-5.
- (d) The Commissioner may order a change in the manner of operation of any incinerator which is operated so as to cause a violation of 6NYCRR Subpart 219-5.



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### STATE ONLY ENFORCEABLE CONDITIONS \*\*\*\* Facility Level \*\*\*\*

#### NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

- (a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
- (1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
- (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- (b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.
- (c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

## Item B: Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)

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



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

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

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

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

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

#### **Condition 1-11:** Contaminant List

Effective between the dates of 06/05/2017 and 08/07/2023

Applicable State Requirement: ECL 19-0301

#### Item 1-11.1:

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

CAS No: 000630-08-0

Name: CARBON MONOXIDE

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

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0



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Name: VOC

Condition 11: Malfunctions and start-up/shutdown activities

Effective between the dates of 08/08/2013 and 08/07/2023

Applicable State Requirement: 6 NYCRR 201-1.4

#### Item 11.1:

- (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 1-12: Emission Unit Definition
Effective between the dates of 06/05/2017 and 08/07/2023

Applicable State Requirement: 6 NYCRR Subpart 201-5

#### **Item 1-12.1(From Mod 1):**

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



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Emission Unit: E-U0001 Emission Unit Description:

Cogeneration plant consisting of one diesel engine and

five natural gas engines.

Building(s): CHP PLANT

#### **Item 1-12.2(From Mod 1):**

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

Emission Unit: E-U0002 Emission Unit Description:

> Hudson Valley Community College operates a crematorium on the campus. The crematorium was previously permitted with

the NYSDEC under Certificate to Operate

#C-381700-0176-00001-W-R.

**Condition 12:** Renewal deadlines for state facility permits

Effective between the dates of 08/08/2013 and 08/07/2023

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

#### Item 12.1:

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 13: Compliance Demonstration** 

Effective between the dates of 08/08/2013 and 08/07/2023

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

#### Item 13.1:

The Compliance Demonstration activity will be performed for the Facility.

#### Item 13.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES Monitoring Description:

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 4 1130 N. Westcott Rd. Schenectady, NY 12306

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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**Condition 14:** Visible Emissions Limited

Effective between the dates of 08/08/2013 and 08/07/2023

**Applicable State Requirement: 6 NYCRR 211.2** 

#### Item 14.1:

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.