



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 1-4726-00237/00010
Effective Date: _____ Expiration Date: _____

Permit Issued To: U S DEPT OF VETERANS AFFAIRS
810 VERMONT AVE NW
WASHINGTON, DC 20420

Contact: DAVID GOULD
DEPT OF VETERANS AFFAIRS
79 MIDDLEVILLE RD
NORTHPORT, NY 11768-2200
(631) 261-4400

Facility: NORTHPORT VA MEDICAL CENTER
79 MIDDLEVILLE RD
NORTHPORT, NY 11768

Description:
The Northport Veterans Administration Medical Center seek to renew their Air State Facility permit to (1) permit a proposed combined heat power source (CHP) gas fired, spark ignited, reciprocating engine 2 megawatts electric power output), (2) increase the facility NOx cap from 22.5 tons per year to 24.2 tons per year, (3) update boiler information as existing boilers were retrofitted in May 2013 to burn natural gas in addition to diesel fuel, and (4) to update the exempt sources on site.

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: ROGER EVANS
NYSDEC - REGION 1 SUNY @ STONY BROOK
50 CIRCLE RD
STONY BROOK, NY 11790-3409

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 1 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 the expiration of permits for Title V and State Facility Permits.

Item 3.3

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



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

Item 4.1:

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

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

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal - REGION 1 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

Applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 1 Headquarters
Division of Environmental Permits
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409
(631) 444-0365

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Permit Under the Environmental Conservation Law (ECL)

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

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810 VERMONT AVE NW
WASHINGTON, DC 20420

Facility: NORTHPORT VA MEDICAL CENTER
79 MIDDLEVILLE RD
NORTHPORT, NY 11768

Authorized Activity By Standard Industrial Classification Code:
8062 - GENERAL MEDICAL & SURGICAL HOSPITALS

Permit Effective Date:

Permit Expiration Date:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 201-7.1: Facility Permissible Emissions
- *2 6 NYCRR 201-7.1: Capping Monitoring Condition
- 3 6 NYCRR 211.1: Air pollution prohibited
- 4 6 NYCRR 225-1.2 (g): Compliance Demonstration
- 5 6 NYCRR 225-1.2 (h): Compliance Demonstration
- 6 6 NYCRR 227-1.3: Compliance Demonstration
- 7 6 NYCRR 227-1.3 (a): Compliance Demonstration
- 8 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
- 9 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 10 40CFR 60.7(c), NSPS Subpart A: Compliance Demonstration
- 11 40CFR 60.7(d), NSPS Subpart A: Excess emissions report.
- 12 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 13 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 14 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 15 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 16 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 17 40CFR 60.9, NSPS Subpart A: Availability of information.
- 18 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.
- 19 40CFR 60.12, NSPS Subpart A: Circumvention.
- 20 40CFR 60.13, NSPS Subpart A: Monitoring requirements.
- 21 40CFR 60.14, NSPS Subpart A: Modifications.
- 22 40CFR 60.15, NSPS Subpart A: Reconstruction
- 23 40CFR 60, NSPS Subpart JJJ: Applicability
- 24 40CFR 60, NSPS Subpart JJJ: Compliance and Enforcement
- 25 40CFR 60.4244, NSPS Subpart JJJ: Test methods and procedures
- 26 40CFR 63, Subpart JJJJJ: Applicability
- 27 40CFR 63, Subpart JJJJJ: Compliance and Enforcement
- 28 40CFR 63, Subpart ZZZZ: Applicability
- 29 40CFR 63, Subpart ZZZZ: Compliance and Enforcement
- 30 40CFR 63, Subpart ZZZZ: Engines at Area sources of HAP

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 31 ECL 19-0301: Contaminant List
- 32 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 33 6 NYCRR Subpart 201-5: Emission Unit Definition
- 34 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
- 35 6 NYCRR 201-5.3 (c): Compliance Demonstration
- 36 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

- 37 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
- 38 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: 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



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)



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

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Facility Permissible Emissions
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 1.1:

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

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

CAS No: 0NY210-00-0

PTE: 48,400 pounds per year

Name: OXIDES OF NITROGEN

Condition 2: Capping Monitoring Condition
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 2.1:

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

6 NYCRR Subpart 201-6

Item 2.2:

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

Item 2.3:

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

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other state and federal air pollution control requirements, regulations or law.

Item 2.4:

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

Item 2.5:

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

Item 2.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 2.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

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

Monitoring Description:

Total Facility NOx will be capped at 24.2 tons/year and monitored using a 12-month rolling total of the emissions from one (1) combined heat and power (CHP) gas fired spark ignited reciprocating engine, four (4) dual fired boilers and twenty four (24) emergency generators.

NOx emissions will be determined from the sum of the following formulas:

$CHP + BNG + BFO + EGs < 600 \text{ hp} + EGs > 600 \text{ hp}$

$CHP\text{- NOx (tons/year)} = (0.5 \text{ g NOx/bhp-hr} * 11\text{b}/454 \text{ grams} * 8760 \text{ hrs/year} * 2,000 \text{ kw} * 1.341 \text{ hp/1kw}) / 2,000 \text{ lbs/ton}$

$Boilers \text{ Operating on Natural Gas - NOx (tons/year)} = (100 \text{ lbs NOx}/10^6 \text{ scf gas} * \text{monthly scf gas burned}) / 2,000 \text{ lbs/ton}$

$Boilers \text{ Operating on Fuel Oil - NOx (tons/year)} = (0.14 \text{ lbs NOx}/\text{mmBTU}) * 138,000 \text{ BTU}/\text{gal No.2 heat value} * \text{Monthly gallons fuel oil burned}) / 2,000 \text{ lbs/ton}$

Emergency Generators greater than 600 hp operating on fuel

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 5: Compliance Demonstration
Effective for entire length of Permit**

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

Item 5.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

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

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL



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Permit ID: 1-4726-00237/00010

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Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.0015 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 6: Compliance Demonstration
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 6.1:

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

Emission Unit: 1-00001	Emission Point: A0001
Emission Unit: 1-00001	Emission Point: B0001
Emission Unit: 1-00001	Emission Point: C0001
Emission Unit: 1-00001	Emission Point: D0001

Item 6.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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?

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 - see below) 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.

**** 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.

Monitoring Frequency: DAILY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 7: Compliance Demonstration
Effective for entire length of Permit**

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

Item 7.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: U-CHP01

Emission Point: CHP01

Item 7.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion

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installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the Method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up Method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: DAILY
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 12 calendar month(s).

**Condition 8: EPA Region 2 address.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 8.1:

This Condition applies to:

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Item 10.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each six (6) month period (or as appropriate), and shall contain the following information:

- 1) the magnitude of excess emissions computed, any conversion factors used, the date and time of each occurrence, and the process operating time during the reporting period;
- 2) specific identification of each period of excess emissions that occur during startup, shutdown, or malfunction, where the nature, cause, and corrective action are provided for a malfunction;
- 3) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
- 4) when no excess emissions have occurred or when the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be provided in the report.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 11: Excess emissions report.
Effective for entire length of Permit**

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

Item 11.1:

This Condition applies to:

Emission Unit: UCHP01

Item 11.2:

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the



form prescribed in Figure 1 of 40 CFR Part 60.7(d).

**Condition 12: Facility files for subject sources.
Effective for entire length of Permit**

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

Item 12.1:

This Condition applies to:

Emission Unit: UCHP01

Item 12.2:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations;all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 13: Performance testing timeline.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.8(a), NSPS Subpart A

Item 13.1:

This Condition applies to:

Emission Unit: UCHP01

Item 13.2:

Within 60 days after achieving the maximum production rate, but not later than 180 days after initial startup of the facility, the owner or operator of the facility shall conduct performance testing and provide the results of such tests, in a written report, to the Administrator.

**Condition 14: Performance test methods.
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 60.8(b), NSPS Subpart A

Item 14.1:

This Condition applies to:

Emission Unit: UCHP01

Item 14.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR 60 or by alternative methods and procedures approved by the



Condition 25: Test methods and procedures
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.4244, NSPS Subpart JJJJ

Item 25.1: Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of 40 CFR 60.4244, including :

- Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart.
- The performance tests shall not be conducted during periods of startup, shutdown, or malfunction, as specified in §60.8(c). If the stationary SI internal combustion engine is non-operational, the facility does not need to startup the engine solely to conduct a performance test, but must conduct the performance test immediately upon startup of the engine.
- The facility must conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

Condition 26: Applicability
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 26.1:

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

Condition 27: Compliance and Enforcement
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63, Subpart JJJJJJ

Item 27.1:

The Department has not accepted delegation of 40 CFR Part 63 Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources. Any questions concerning compliance and/or enforcement of this regulation should be referred to USEPA Region 2, 290 Broadway, 21st Floor, New York, NY 10007-1866; (212) 637-4080. Should the Department decide to accept delegation of 40 CFR Part 63 Subpart JJJJJJ during the term of this permit, enforcement of this regulation will revert to the Department as of the effective date of delegation.



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.



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 31: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement:ECL 19-0301

Item 31.1:

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

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

**Condition 32: Malfunctions and start-up/shutdown activities
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 201-1.4

Item 32.1:



(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 33: Emission Unit Definition
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 33.1:

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

Emission Unit: 1-00001

Emission Unit Description:

This emission unit, located in Building 203 includes four (4) dual fired boilers, three (3) are rated at 56.0 MMBtu/hr and one (1) boiler is rated at 28.0 MMBtu/hr. The boilers burn natural gas and ultra-low sulfur fuel oil. The boilers vent through individual stacks and provide heat and steam for the medical center complex.

New York State Department of Environmental Conservation

Permit ID: 1-4726-00237/00010

Facility DEC ID: 1472600237



Building(s): 203

Item 33.2:

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

Emission Unit: U-CHP01

Emission Unit Description:

This emission unit, located in Building 203 includes one (1) combined heat power (CHP) 2G Energy, Inc. 2G Avus 2000gas fired, spark ignited, reciprocating engine, 2 megawatts electric output with thermal energy recovered from the exhaust gases in a heat recovery steam generator (HRSG), emitting through a dedicated stack emission point CHP01.

Building(s): 203

**Condition 34: Renewal deadlines for state facility permits
Effective for entire length of Permit**

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

Item 34.1:

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 35: Compliance Demonstration
Effective for entire length of Permit**

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

Item 35.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 35.2:

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 1
SUNY at Stony Brook
Building 40
Stony Brook, NY 11790-2356

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

New York State Department of Environmental Conservation

Permit ID: 1-4726-00237/00010

Facility DEC ID: 1472600237



Condition 36: Visible Emissions Limited
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 211.2

Item 36.1:

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 37: Emission Point Definition By Emission Unit
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 37.1:

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

Emission Unit: 1-00001

Emission Point: A0001

Height (ft.): 42 Diameter (in.): 48
NYTMN (km.): 4528.223 NYTME (km.): 642.233 Building: 203

Emission Point: B0001

Height (ft.): 42 Diameter (in.): 48
NYTMN (km.): 4528.223 NYTME (km.): 642.233 Building: 203

Emission Point: C0001

Height (ft.): 42 Diameter (in.): 48
NYTMN (km.): 4528.223 NYTME (km.): 642.233 Building: 203

Emission Point: D0001

Height (ft.): 42 Diameter (in.): 48
NYTMN (km.): 4528.223 NYTME (km.): 642.233 Building: 203

Item 37.2:

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

Emission Unit: U-CHP01

Emission Point: CHP01

Height (ft.): 35 Diameter (in.): 24
NYTMN (km.): 4528.026 NYTME (km.): 642.353 Building: 203

Condition 38: Process Definition By Emission Unit



Effective for entire length of Permit

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 38.1:

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

Emission Unit: 1-00001
Process: 2CG Source Classification Code: 1-03-006-02

Process Description:

Four (4) dual fired boilers, three (3) are rated at 56.0 MMBtu/hr and one (1) boiler is rated at 28.0 MMBtu/hr. The boilers burn Natural Gas. The boilers vent through individual stacks and provide heat and steam for the medical center complex.

Emission Source/Control: A0001 - Combustion
Design Capacity: 56 million Btu per hour

Emission Source/Control: B0001 - Combustion
Design Capacity: 28 million Btu per hour

Emission Source/Control: C0001 - Combustion
Design Capacity: 56 million Btu per hour

Emission Source/Control: D0001 - Combustion
Design Capacity: 56 million Btu per hour

Item 38.2:

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

Emission Unit: 1-00001
Process: A01 Source Classification Code: 1-03-005-02

Process Description:

Four (4) dual fired boilers, three (3) are rated at 56.0 MMBtu/hr and one (1) boiler is rated at 28.0 MMBtu/hr. The boilers burn Ultra Low Sulfur Fuel Oil. The boilers vent through individual stacks and provide heat and steam for the medical center complex.

Emission Source/Control: A0001 - Combustion
Design Capacity: 56 million Btu per hour

Emission Source/Control: B0001 - Combustion
Design Capacity: 28 million Btu per hour

Emission Source/Control: C0001 - Combustion
Design Capacity: 56 million Btu per hour

Emission Source/Control: D0001 - Combustion
Design Capacity: 56 million Btu per hour

New York State Department of Environmental Conservation

Permit ID: 1-4726-00237/00010

Facility DEC ID: 1472600237



Item 38.3:

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

Emission Unit: U-CHP01

Process: 1CG

Source Classification Code: 2-01-002-02

Process Description:

One (1) combined heat power (CHP) 2G Energy, Inc. 2G Avus
2000 gas fired, spark ignited, reciprocating engine, 2
megawatts electric output with thermal energy recovered
from the exhaust gases in a heat recovery steam generator
(HRSG).

Emission Source/Control: CHP01 - Combustion

Design Capacity: 17.86 million Btu per hour

Emission Source/Control: CAT01 - Control

Control Type: CATALYTIC OXIDATION