PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 3-5522-00011/00026
Effective Date: 11/21/2014 Expiration Date: 11/20/2024

Permit Issued To:ENTERGY NUCLEAR OPERATIONS INC
450 BROADWAY
PO BOX 308
BUCHANAN, NY 10511

ENTERGY NUCLEAR INDIAN POINT 2 LLC
450 BROADWAY STE 1
BUCHANAN, NY 10511-0249

Facility: INDIAN POINT 2 LLC AND INDIAN POINT 3 LLC
450 BROADWAY
BUCHANAN, NY 10511

Contact: DARA GRAY
ENTERGY NUCLEAR - INDIAN POINT 2 LLC
450 BROADWAY
BUCHANAN, NY 10511
(914) 736-8414

Description:
Existing nuclear power facility including three turbines, two distilate fired boilers at the IP1&2 site, one boiler rated at 163 mmbtu/hr, which burns No. 2 oil (located at the House Service Boiler Building -IP3 building), and multiple internal combustion engines which are operated as exempt sources to provide emergency power.

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: GEORGE A SWEIKERT
NYSDEC - REGION 3
21 S PUTT CORNERS RD
NEW PALTZ, NY 12561-1696

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 3 HEADQUARTERS

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

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

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

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

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

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

Item 4.1:
The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 3 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Putt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

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450 BROADWAY
BUCHANAN, NY 10511

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES
5171 - PETROLEUM BULK STATIONS & TERMINALS
5541 - GASOLINE SERVICE STATIONS

Permit Effective Date: 11/21/2014 Permit Expiration Date: 11/20/2024

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
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2 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
3 6 NYCRR 202-1.1: Required Emissions Tests
4 40 CFR Part 68: Accidental release provisions.
5 40CFR 82, Subpart F: Recycling and Emissions Reduction
6 6 NYCRR 201-3.2 (b): Exempt Activities - Maintenance of Control Equipment
7 6 NYCRR Subpart 201-7: Facility Permissible Emissions
*8 6 NYCRR Subpart 201-7: Capping Monitoring Condition
9 6 NYCRR 211.1: Air pollution prohibited
10 6 NYCRR 225-1.2 (d): Compliance Demonstration
11 6 NYCRR 225-1.6 (f): Compliance Demonstration
12 6 NYCRR 227-1.3 (a): Compliance Demonstration
13 6 NYCRR 227.2 (b) (1): Compliance Demonstration

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14 6 NYCRR Subpart 201-7: Process Permissible Emissions

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15 ECL 19-0301: Contaminant List
16 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
17 6 NYCRR 201-1.4 (c): Notification of malfunction
18 6 NYCRR Subpart 201-5: Emission Unit Definition
19 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
20 6 NYCRR 201-5.3 (c): Compliance Demonstration
21 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

22 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
23 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

EU=I-P0003,EP=00001

24 6 NYCRR Subpart 201-5: General Provisions

NOTE: * preceding the condition number indicates capping.

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

Item A: **Sealing - 6 NYCRR 200.5**

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

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

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

Item B: **Acceptable Ambient Air Quality - 6 NYCRR 200.6**

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

Item C: **Maintenance of Equipment - 6 NYCRR 200.7**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications,

required to operate such device effectively.

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

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

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

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

Item E: **Emergency Defense - 6 NYCRR 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item F: **Recycling and Salvage - 6 NYCRR 201-1.7**

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

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

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

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

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

Item I: **Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**

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

Item J: **Required Emission Tests - 6 NYCRR 202-1.1**

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

Item K: **Open Fires Prohibitions - 6 NYCRR 215.2**
Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item L: **Permit Exclusion - ECL 19-0305**
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

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

Effective between the dates of 11/21/2014 and 11/20/2024

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 2: Trivial Sources - Proof of Eligibility
Effective between the dates of 11/21/2014 and 11/20/2024

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

Item 2.1:
The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

Condition 3: Required Emissions Tests
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 3.1:
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 4: Accidental release provisions.
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:40 CFR Part 68

Item 4.1:
If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 5: Recycling and Emissions Reduction
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:40CFR 82, Subpart F

Item 5.1:
The permittee shall comply with all applicable provisions of 40 CFR Part 82.

Condition 6: Exempt Activities - Maintenance of Control Equipment
Effective between the dates of 11/21/2014 and 11/20/2024

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

Item 6.1:
The owner or operator of any emission source or activity that is listed as being exempt in 6 NYCRR Part 201-3.2(c), on the basis of the use of appropriate emission controls shall operate and maintain those controls in a manner consistent with manufacturer's specifications and good engineering practices.

Condition 7: Facility Permissible Emissions
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 7.1:
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: 49,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 8: Capping Monitoring Condition
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 8.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would

otherwise be subject to:

6 NYCRR Subpart 201-6
6 NYCRR Subpart 227-2

Item 8.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 8.3:
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 8.4:
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 8.5:
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 8.6:
The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 8.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
The faciltiy is keeping track of fuel consumption for each emission unit and calculates nitrogen oxide emissions monthly using the publish USEPA emission factors of AP-42.

Manufacturer Name/Model Number: various
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 24.5 tons per year
Reference Test Method: USEPA AP-42 Emission factors
Monitoring Frequency: MONTHLY

Averaging Method: 12-MONTH TOTAL, ROLLED MONTHLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 9: Air pollution prohibited
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:6 NYCRR 211.1

Item 9.1:
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 10: Compliance Demonstration
Effective between the dates of 11/21/2014 and 11/20/2024

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

Item 10.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 10.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Owners and/or operators of any stationary combustion installation that fires residual oil are limited to the firing of residual oil with a sulfur content of 0.37% sulfur.

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: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)
Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.37 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 11: Compliance Demonstration
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:6 NYCRR 225-1.6 (f)

Item 11.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 11.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Facility owners subject to this Subpart must submit a written report of the fuel sulfur content exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable sulfur-in-fuel limitation, measured emissions exceeding the applicable equivalent emission rate, and the nature and cause of such exceedances if known, for each calendar quarter, within 30 days after the end of any quarterly period in which an exceedances takes place.

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.

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

Condition 12: Compliance Demonstration
Effective between the dates of 11/21/2014 and 11/20/2024

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

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

Item 12.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minute average), except for one 6 minute period per hour of not more than 27 percent opacity. 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
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 13: Compliance Demonstration
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:6 NYCRR 227.2 (b) (1)

Item 13.1:
The Compliance Demonstration activity will be performed for the Facility.

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

Item 13.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The two hour average emission of particulates from this stationary combustion installation shall not exceed 0.10 pounds per million Btu of heat input.

At the monitoring frequency stated below the facility shall perform the following:

1) Submit to the Department an acceptable protocol for the testing of particulate emissions in a manner that will determine compliance with the limit cited in this condition.

2) Perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition.

3) Submit an acceptable stack test report that outlines the results obtained from the testing done to meet the requirement of #2 above.

4) Facility shall keep records of all testing done at this stationary combustion installation for a period of 5 years.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

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

Condition 14: Process Permissible Emissions
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 14.1:
The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: I-P0005 Process: GD1

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 238 pounds per hour
0.88 pounds per million Btus
5,720 pounds per year

Emission Unit: I-P0005 Process: GD3

CAS No: 0NY210-00-0
Name: OXIDES OF NITROGEN
PTE(s): 111 pounds per hour
0.423 pounds per million Btus
3,097.4 pounds per year

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

Item A: **Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**
Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

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

Condition 15: **Contaminant List**
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable State Requirement:ECL 19-0301

Item 15.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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

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

Condition 16: Malfunctions and start-up/shutdown activities
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable State Requirement:6 NYCRR 201-1.4

Item 16.1:
(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 17: Notification of malfunction
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable State Requirement:6 NYCRR 201-1.4 (c)

Item 17.1:
In the event that emissions of air contaminants in excess of any emission standard 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 emission rates.

Condition 18: Emission Unit Definition
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 18.1:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: A-00001
Emission Unit Description:
This unit comprises one boiler, rated at 163 mmbtu/hr, which burns No. 2 oil. It is located at the House Service Boiler Building (formerly known as Indian Point 3) . Its combustion emission are vented via Emission Point 00001.

Building(s): HSBB

Item 18.2:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: I-P0003
Emission Unit Description:
Two boilers rated at 65 mmbtu/hour, each, burning distilate oil and located at the IP 1&2 site.

Building(s): BOILERS

Item 18.3:
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: I-P0005
Emission Unit Description:
Two combustion turbines (located at the IP1&2 site) which generate electricity on an emergency basis. The turbines are rated at 260 mmbtu/hr, and 239 mmbtu/hr. The turbines are operated on No.2 oil.
In addition to the turbines, two diesel emergency

generators (exempt sources) and two black start emergency generators (also exempt sources) are associated with the operation of the two turbines.
The generators provide start up power to each one of the turbines while the two black start generators provide emergency power to controllers that serve the turbines.

A third turbine (345 mmbtu/hr) and its associated diesel emergency generator currently decommissioned used to operate at the site.

Building(s): GTFAC

Condition 19: Renewal deadlines for state facility permits
Effective between the dates of 11/21/2014 and 11/20/2024

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

Item 19.1:
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 20: Compliance Demonstration
Effective between the dates of 11/21/2014 and 11/20/2024

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

Item 20.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 20.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: 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 3
21 South Putt Corners Rd.
New Paltz, NY 12561

Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2015.
Subsequent reports are due every 12 calendar month(s).

Condition 21: Visible Emissions Limited
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable State Requirement:6 NYCRR 211.2

Item 21.1:
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 22: Emission Point Definition By Emission Unit
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 22.1:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: A-00001

Emission Point: 00002
Height (ft.): 140 Diameter (in.): 30
NYTMN (km.): 4569.228 NYTME (km.): 587.725 Building: HSBB

Item 22.2:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: I-P0003

Emission Point: 00001
Height (ft.): 167 Diameter (in.): 330
NYTMN (km.): 4569.2 NYTME (km.): 588. Building: BOILERS

Item 22.3:
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: I-P0005

Emission Point: 00021
Height (ft.): 30 Length (in.): 120 Width (in.): 108
NYTMN (km.): 4569.2 NYTME (km.): 588. Building: GTFAC

Emission Point: 00023
Height (ft.): 42 Length (in.): 144 Width (in.): 144
NYTMN (km.): 4569.2 NYTME (km.): 588. Building: GTFAC

Condition 23: Process Definition By Emission Unit
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 23.1:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: A-00001
Process: OIL Source Classification Code: 1-01-005-01
Process Description: Boiler burnign No. 2 Oil.

Emission Source/Control: 00HSB - Combustion
Design Capacity: 163 million Btu per hour

Item 23.2:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-P0003
Process: DOL Source Classification Code: 1-01-005-01
Process Description:
THIS PROCESS INCLUDES TWO MEDIUM SIZE BOILERS RATED AT 65 MMBTU/HR EACH. THE BOILERS COMBUST DISTILLATE FUEL. THE TWO BOILERS VENT TO A SINGLE STACK.

Emission Source/Control: 0000F - Combustion
Design Capacity: 65 million Btu per hour

Emission Source/Control: 0000G - Combustion
Design Capacity: 65 million Btu per hour

Item 23.3:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-P0005
Process: GD1 Source Classification Code: 2-02-001-09
Process Description:
THIS PROCESS INCLUDES COMBUSTION TURBINE GT001 WHICH GENERATES ELECTRICITY. THE COMBUSTION TURBINE IS RATED AT 260 MMBTU/HR. AND COMBUSTS DISTILLATE FUEL. THE GT IS EQUIPPED WITH A DIESEL STARTER ENGINE AND AN EMERGENCY BLACK START ENGINE.

Emission Source/Control: GT001 - Combustion
Design Capacity: 260 million Btu per hour

Item 23.4:
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: I-P0005

Process: GD3 Source Classification Code: 2-02-001-09
Process Description:
THIS PROCESS INCLUDES COMBUSTION TURBINE GT003 WHICH GENERATES ELECTRICITY. THE COMBUSTION TURBINE IS RATED AT 239 MMBTU/HR. AND COMBUSTS DISTILLATE FUEL. THE GT IS EQUIPPED WITH A DIESEL STARTER ENGINE AND AN EMERGENCY BLACK START ENGINE.

Emission Source/Control: GT003 - Combustion
Design Capacity: 239 million Btu per hour

Condition 24: General Provisions
Effective between the dates of 11/21/2014 and 11/20/2024

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 24.1:
This Condition applies to Emission Unit: I-P0003 Emission Point: 00001

Item 24.2:
This section of the permit contains terms and conditions that are not federally enforceable and are not required under the Act or under any of its applicable requirements. Terms and conditions so designated are not subject to the requirements of Section 201-6.4 of Part 201.

Item 24.3:
Any person who owns and/or operates emission sources subject to this permit shall operate and maintain all emission sources and required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate 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 control devices may be sufficient reason for the Department to revoke or deny a permit.

Item 24.4:
The owner or operator of the emission sources subject to this permit 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 during normal operating hours, for the purpose of determining compliance with this and any other state or federal air pollution control requirements, regulations or law.