



**New York State Department of Environmental Conservation**

**ID: 8463800011**

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

**IDENTIFICATION INFORMATION**

Air Title V Facility

Permit ID: 8-4638-00011/00020

Effective Date: 08/06/2000 Expiration Date: 08/06/2006

Title IV (Phase II Acid Rain)

Permit ID: 8-4638-00011/00021

Effective Date: 08/06/2001

Expiration Date: No expiration date

AES CREATIVE RESOURCES LP  
1001 NORTH 19TH ST - 20TH FL  
ARLINGTON, VA 22209

Contact: ANDREW M. CHADWICK

720 RIVERSIDE DRIVE  
JOHNSON CITY, NY 13790-1839

(607) 729-6950

Facility: AES HICKLING LLC  
11884 HICKLING RD  
CORNING, NY 14830

Contact: ANDREW M. CHADWICK

720 RIVERSIDE DRIVE  
JOHNSON CITY, NY 13790-1839

(607) 729-6950

**Description:**

Initial Title V facility permit and modification of Title IV (Acid Rain) facility permit for an existing electric generating station. Hickling Generating Station consists of three emission units: two electric generating units (H-00001 and H-00002), and one coal handling system unit (H-00003). Emission Unit H-00001 consists of two traveling grate stoker boilers (B0001 and B0002), each with a maximum heat input of 291 MMBTU/HR. Effective March 23, 1999, annual emissions of NOx from Emission Unit H-00001 have been restricted to 242 tons annually, to establish emission reduction credits (ERC) of 200 tons per year. NOx ERC of 136 tons per year have been transferred to the Guardian Glass- Geneva facility, and 64 tons per year remain in the ERC registry. Emissions from boilers B0001 and B0002 exhaust through a common stack (Emission Point 00001). Emission Unit H-00002 consists of two traveling grate stoker boilers (B0003 and B0004), each with a maximum heat input of 416 MMBTU/HR. Emissions from boilers B0003 and B0004 exhaust through a common stack (Emission Point 00002). All four boilers burn bituminous coal as their primary fuel and have been permitted to use a variety of other fuels, including clean wood, creosote treated wood ( CTW), coal tar soils (CTS), and waste wood product from a furniture manufacturer (Bush Wood). Each of the four boilers is equipped with an electrostatic precipitator to control particulate matter emissions. Emission Unit H-00003 includes the activities associated with handling coal at the facility. Coal is delivered to the facility by train and truck. When

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delivered by train the coal is dumped from the bottom of the cars into a hopper below the tracks. When delivered by truck, coal is dumped directly on the coal storage pile. Coal from storage pile is pushed to a reclaim hopper by a bulldozer. Both the track hopper and reclaim hopper discharge coal to a belt conveyor, which then delivers coal to the boiler/turbine building where the coal is conveyed to the bunkers that feed the four boilers. The capacity of the coal handling system is 100 tons per hour. All outside conveyors are enclosed on three sides for dust control. The Title IV (Acid Rain) permit was initially issued March 22, 1999, with an effective date of January 1, 2000, and an expiration date of December 31, 2004. The Title IV permit will be modified to allow its permit term to coincide with the permit term of the Initial Title V Facility Permit. The modified Title IV (Acid Rain) permit and its attachments are included as part of this project.

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 of this permit.

Permit Administrator:

PETER A. LENT

6274 EAST AVON LIMA RD  
AVON, NY 14414-9519

Authorized Signature:

\_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_

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**Notification of Other 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, agents, and assigns for all claims, suits, actions, damages, and costs of every name and description, arising out of or resulting from the permittee's undertaking of activities or operation and maintenance of the facility or facilities authorized by the permit in compliance or non-compliance with the terms

and conditions of the permit.

**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 **LIST OF CONDITIONS**

**GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

Submission of Applications for Permit Modification or Renewal -REGION 8  
HEADQUARTERS

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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.

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**DEC GENERAL CONDITIONS**

**\*\*\*\* General Provisions \*\*\*\***

**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 and Modifications**

**Applicable State Requirement: 6NYCRR 621.13(a)**

**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.

**Condition 4: Permit Modifications, Suspensions, and Revocations by the Department**

**Applicable State Requirement: 6NYCRR 621.14**

**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for

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modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS**

**Applicable State Requirement:**

**6NYCRR 621.5(a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator

Region 8 Headquarters  
of Environmental Permits  
6274 Avon-Lima Road  
Avon, NY 14414-9519

(716) 226-2466



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

**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: AES CREATIVE RESOURCES LP  
1001 NORTH 19TH ST - 20TH FL  
ARLINGTON, VA 22209

Contact: ANDREW M. CHADWICK  
720 RIVERSIDE DRIVE  
JOHNSON CITY, NY 13790-1839  
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Authorized Activity By Standard Industrial Classification Code:



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1 Sealing
- 2 Acceptable ambient air quality
- 3 Maintenance of equipment
- 4 Unpermitted Emission Sources
- 5 Unavoidable Noncompliance and Violations
- 6 Emergency Defense
- 7 Recycling and Salvage
- 8 Prohibition of Reintroduction of Collected Contaminants to the Air
- 9 Public Access to Recordkeeping for Title V facilities
- 10 Proof of Eligibility
- 11 Proof of Eligibility
- 12 Applicable Criteria, Limits, Terms, Conditions and Standards
- 13 Cessation or Reduction of Permitted Activity Not a Defense
- 14 Compliance Requirements
- 15 Federally-Enforceable Requirements
- 16 Fees
- 17 Monitoring, Related Recordkeeping and Reporting Requirements
- 18 Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
- 19 Permit Shield
- 20 Property Rights
- 21 Reopening for Cause
- 22 Right to Inspect
- 23 Severability
- 24 Permit Conditions - Facilities Subject to Title IV
- 25 Emission Unit Definition
- 26 Compliance Certification
- 27 Compliance Certification
- 28 Permit Exclusion Provisions
- 29 Non Applicable requirements
- 30 Required emissions tests
- 31 Compliance Certification
- 32 Recordkeeping requirements
- 33 Visible emissions limited.
- 34 Open Fires Prohibited at Industrial and Commercial Sites
- 35 Compliance Certification
- 36 Compliance Certification
- 37 Availability of records for Department inspection.
- 38 Sampling and analysis requirements.
- 39 Recycling and Emissions Reduction

**Emission Unit Level**



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- 40 Emission Point Definition By Emission Unit
- 41 Process Definition By Emission Unit
- 42 Episode action plans.
- 43 Compliance Certification (EU=H-00001)
- 44 Compliance Certification (EU=H-00001)
- 45 Compliance Certification (EU=H-00001)
- 46 Interpolation method for standards of particulate matter  
from solid fuel firing equipment.
- 47 Compliance Certification (EU=H-00001)
- 48 Multiple combustion sources.
- 49 Compliance Certification (EU=H-00001)
- 50 Multiple fuels particulate matter emission rate.
- 51 Compliance Certification (EU=H-00001)
- 52 Compliance Certification (EU=H-00001)
- 53 Compliance Certification (EU=H-00001)
- 54 Episode action plans.
- 55 Compliance Certification (EU=H-00002)
- 56 Compliance Certification (EU=H-00002)
- 57 Compliance Certification (EU=H-00002)
- 58 Interpolation method for standards of particulate matter  
from solid fuel firing equipment.
- 59 Compliance Certification (EU=H-00002)
- 60 Multiple combustion sources.
- 61 Compliance Certification (EU=H-00002)
- 62 Multiple fuels particulate matter emission rate.
- 63 Compliance Certification (EU=H-00002)
- 64 Compliance Certification (EU=H-00002)
- 65 212.6(a) - Opacity standard

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**Facility Level**

- 66 General Provisions
- 67 Contaminant List
- 68 Air pollution prohibited
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**FEDERALLY ENFORCEABLE CONDITIONS**

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

**Condition 1: Sealing**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 200.5**

**Item 1.1:**

(a) 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 labelling 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.

(b) 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.

(c) Unless authorized by the commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section

**Condition 2: Acceptable ambient air quality**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 200.6**

**Item 2.1:**

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.

**Condition 3: Maintenance of equipment**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 200.7**

**Item 3.1:**

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.



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**Condition 4: Unpermitted Emission Sources**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.2**

**Item 4.1:**

If an existing emission source was subject to the permitting requirements of 6NYCRR 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.

**Condition 5: Unavoidable Noncompliance and Violations**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 5.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

- (a) The facility owner and/or operator shall compile and maintain records of all equipment 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 commissioner's representative when requested to do so in writing or when so required by a condition of a permit or certificate issued for the corresponding air contamination source. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.
- (b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.



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(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

**Condition 6: Emergency Defense**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.5**

**Item 6.1:**

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.

**Condition 7: Recycling and Salvage**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.7**



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**Item 7.1:**

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.

**Condition 8: Prohibition of Reintroduction of Collected Contaminants to the Air**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.8**

**Item 8.1:**

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.

**Condition 9: Public Access to Recordkeeping for Title V facilities**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 201-1.10(b)**

**Item 9.1:**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Condition 10: Proof of Eligibility**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 10.1:**

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.

**Condition 11: Proof of Eligibility**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 11.1:**

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



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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.

**Condition 12: Applicable Criteria, Limits, Terms, Conditions and Standards**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 12.1:**

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

- i. Any reporting requirements and operations under an accidental release plan, response plan, and compliance plan as approved as of the date of the permit issuance, or
- ii. Any support documents submitted as a part of the permit application for this facility as accepted and approved as of the date of permit issuance.

Any noncompliance with the federally-enforceable portions of this permit constitutes a violation of the federal Clean Air Act and will be grounds for enforcement action, for permit termination, revocation and reissuance, or modification, or for denial of a permit renewal application.

**Item 12.2:**

Any document, including reports, required by the federally-enforceable portions of this permit shall contain a certification by the responsible official for this facility as set forth in Section 201-6.3 that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**Condition 13: Cessation or Reduction of Permitted Activity Not a Defense**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 13.1:**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Condition 14: Compliance Requirements**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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



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**Item 14.1:**

The following information must be included in any required compliance monitoring records and reports:

- i. The date, place and time of sampling or measurements;
- ii. The date(s) analyses were performed;
- iii. The company or entity that performed the analyses;
- iv. The analytical techniques or methods used including quality assurance and quality control procedures if required;
- v. The results of such analyses including quality assurance data where required; and
- vi. The operating conditions as existing at the time of sampling or measurement;

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by the responsible official, consistent with Section 201-6.3 of Part 201.

**Item 14.2:**

The permittee shall comply with the approved compliance schedule for this permit if such a schedule is a part of this permit. Risk management plans must be submitted to the Administrator if required by Section 112(r) of the Clean Air Act for this facility.

**Item 14.3:**

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Condition 15: Federally-Enforceable Requirements**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 15.1:**

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.

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**Condition 16: Fees**  
Effective between the dates of 08/06/2001 and 08/06/2006

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

**Item 16.1:**

The permittee shall pay the required fees associated with this permit.

**Condition 17: Monitoring, Related Recordkeeping and Reporting Requirements**  
Effective between the dates of 08/06/2001 and 08/06/2006

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

**Item 17.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

**Condition 18: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements**  
Effective between the dates of 08/06/2001 and 08/06/2006

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

**Item 18.1:**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not relieve the permittee from the requirement to comply with any condition contained in this permit.

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**Condition 19: Permit Shield**  
Effective between the dates of 08/06/2001 and 08/06/2006

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



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**Item 19.1:**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield. For those facilities for which a permit shield has been granted, compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Condition 20: Property Rights**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 20.1:**

This permit does not convey any property rights of any sort or any exclusive privilege.

**Condition 21: Reopening for Cause**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 21.1:**

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that



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inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

**Item 21.2:**

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

**Item 21.3:**

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Condition 22: Right to Inspect**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 22.1:**

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 23: Severability**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 23.1:**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a



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challenge, the remainder of this permit shall continue to be valid.

**Condition 24: Permit Conditions - Facilities Subject to Title IV  
Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 24.1:**

Items 2 through 6 below shall apply to facilities subject to Title IV of the Act.

**Item 24.2:**

Where an applicable requirement of the Act is more stringent than regulations promulgated under Title IV of the Act, both requirements shall be a part of this permit, shall be federally-enforceable by the Department and the Administrator, and shall be complied with by the permittee.

**Item 24.3:**

Emissions exceeding any allowances that the permittee lawfully holds under Title IV of the Act or the regulations promulgated thereunder are prohibited by this permit. However, the permittee is not required to cover its emissions at all times. Rather, the permittee need only have sufficient sulfur dioxide allowances to cover emissions at the end of the true-up period in each year.

**Item 24.4:**

No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to Title IV, provided that such increases do not require a permit revision under any other applicable requirement.

**Item 24.5:**

No limit shall be placed on the number of allowances held by the facility. The permittee may not, however, use allowances as a defense to noncompliance with any other applicable requirement.

**Item 24.6:**

Any allowance shall be accounted for according to the procedures established in regulations promulgated under the acid rain provisions of Title IV.

**Condition 25: Emission Unit Definition  
Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 25.1:**

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

Emission Unit: H-00001

Emission Unit Description:

HICKLING STATION IS AN ELECTRIC GENERATING STATION CONSISTING OF TWO GENERATOR UNITS. THE FOLLOWING IDENTIFIERS WILL BE USED IN RELATION TO THIS EMISSION UNIT: HICKLING UNIT 1, EMISSION UNIT H00001; HICKLING

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STACK 1, EMISSION POINT 00001; BOILER 1, EMISSION SOURCE B0001; BOILER1 ELECTROSTATIC PRECIPITATOR, EMISSION SOURCE ESP01; BURNING BITUMINOUS COAL, PROCESS P11; BURNING NO 2 FUEL OIL, PROCESS P12; BURNING WASTE OIL, PROCESS P13; BURNING CLEAN UNADULTERATED WOOD, PROCESS P15; BURNING CREOSOTE TREATED WOOD, PROCESS P16; BURNING COAL TAR SOILS, PROCESS P17; BURNING ANTHRACITE COAL, PROCESS P18; BURNING DIESEL FUEL/1, PROCESS P19; BURNING BUSH WASTE WOOD, PROCESS P1A; INJECTING AMMONIA, PROCESS P1C; BOILER 2, EMISSION SOURCE B0002; BOILER 2 ELECTROSTATIC PRECIPITATOR, EMISSION SOURCE ESP02; BURNING BITUMINOUS COAL, PROCESS P21; BURNING NO 2 FUEL OIL, PROCESS P22; BURNING WASTE OIL, PROCESS P23; BURNING CLEAN UNADULTERATED WOOD, PROCESS P25; BURNING CREOSOTE TREATED WOOD, PROCESS P26; BURNING COAL TAR SOILS, P27; BURNING ANTHRACITE COAL, PROCESS P28; BURNING DIESEL FUEL/1, PROCESS P29; BURNING BUSH WASTE WOOD, PROCESS P2A; INJECTING AMMONIA, PROCESS P2C. STEAM FOR UNIT 1 IS SUPPLIED BY EMISSION SOURCES B0001 AND B0002. EMISSION SOURCES B0001 AND B0002 EXHAUST THROUGH A COMMON STACK (EMISSION POINT 00001). EACH BOILER HAS ITS OWN DUCT ENTERING THE STACK. EMISSION SOURCES B0001 AND B0002 ARE COMBUSTION ENGINEERING TRAVELING GRATE STOKER BOILERS EACH RATED AT 291 MMBTU/HR MAXIMUM HEAT INPUT. BOTH BOILERS BURN BITUMINOUS COAL AS THEIR PRIMARY FUEL, WITH A VARIETY OF OTHER FUELS (CLEAN WOOD, CREOSOTE TREATED WOOD, COAL TAR SOIL, BUSH WOOD) ALSO PERMITTED. PROCESSES P11, P15, AND P18 ARE ALL CONSIDERED BASELINE FUELS THAT CAN BE BURNED IN ANY COMBINATION AND PERCENT OF FUEL ENTERING THE BOILER (I.E., BITUMINOUS COAL CAN BE 0-100% OF THE FUEL ENTERING THE BOILER, BITUMINOUS COAL AND CLEAN UNADULTERATED WOOD CAN BE MIXED 50%/50%, ETC.) THE ALTERNATE FUELS (PROCESSES P13, P16, P17 AND P1A) CAN ONLY BE MIXED WITH THE PRIMARY FUELS AND BURNED ONE AT A TIME (I.E., PROCESS P13 OR P16 OR P17 OR P1A CAN BE BURNED WITH ANY

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COMBINATION OF PROCESS P11/P15/P18). THE SAME DISCUSSION HOLDS TRUE FOR PROCESSES P21, P23, P25, P26, P27 P28 AND P2A. THE BURNING OF ALTERNATE FUELS IS GOVERNED BY SPECIAL PERMIT CONDITIONS. WOOD SOAKED WITH A FEW GALLONS OF NO 2 FUEL OIL OR DIESEL FUEL IS USED FOR STARTUP. EMISSION SOURCE B0001 AND B0002 ARE EACH EQUIPPED WITH AN ELECTROSTATIC PRECIPITATOR (ENVIRONMENTAL ELEMENTS CORP ORATION, A DIVISION OF KOPPERS) TO CONTROL PARTICULATE MATTER EMISSIONS. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE CONTENT OF SULFUR IN THE FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. EMISSION SOURCE B0001 AND B0002 USE AN AMMONIA INJECTION SYSTEM ON AN "AS NEEDED" BASIS TO HELP CONTROL A BLUE PLUME THAT IS SOMETIMES OBSERVED AT EMISSION POINT 00001. THIS PLUME SEEMS TO BE MORE PREVALENT WHEN THE SULFUR CONTENT OF THE FUEL INCREASES BEYOND A CERTAIN LEVEL. 1/ AES USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO 2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODES, RATHER THAN SEPARATED AS AES HAS DONE.

Building(s): BOILER

**Item 25.2:**

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

Emission Unit: H-00002

Emission Unit Description:

HICKLING STATION IS AN ELECTRIC GENERATING STATION CONSISTING OF TWO GENERATOR UNITS. THE FOLLOWING IDENTIFIERS WILL BE USED IN RELATION TO THIS EMISSION UNIT: HICKLING UNIT 2, EMISSION UNIT H00002; HICKLING STACK 2, EMISSION POINT 00002, BOILER 3 ELECTR OSTATIC PRECIPITATOR, EMISSION SOURCE ESP03; BURNING BITUMINOUS COAL, PROCESS P31; BURNING NO 2 FUEL OIL, PROCESS P32; BURNING WASTE OIL, PROCESSP33; BURNING CLEAN UNADULTERATED WOOD, PROCESS P35; BURNING CREOSOTE TREATED WOOD, PROCESS P36; BURNING COAL T AR SOILS, PROCESS P37;

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BURNING ANTHRACITE COAL, PROCESS P39;  
BURNING DIESEL FUEL/10, PROCESS P39,  
BURNING BUSH WASTE WOOD, PROCESS P3A;  
INJECTING AMMONIA, PROCESS P3C; BOILER 4,  
EMISSION SOURCE B0004; BOILER 4  
ELECTROSTATIC PRECIPITATOR, EMISSION SOURCE  
ESP04; BURNING BITUMINOUS COAL, PROCESS  
P41, BURNING NO2 FUEL OIL, PROCESS P42,  
BURNING WASTE OIL, PROCESS P43; BURNING  
CLEAN UNADULTERATED WOOD, PROCESS P46;  
BURNING CREOSOTE TREATED WOOD, PROCESS P46;  
BURNING COAL TAR SOILS, PROCESS P47;  
BURNING ANTHRACITE COAL, PROCESS P48;  
BURNING DIESEL FUEL 10, PROCESS P49;  
BURNING BUSH WASTE WOOD, PROCESS P4A,  
INJECTING AMMONIA, PROCESS P4C. STEAM FOR  
UNIT 2 IS SUPPLIED BY EMISSION SOURCES  
B0003 AND B0004 EXHAUST THROUGH A COMMON  
STACK (EMISSION POINT 00002). EACH BOILER  
HAS ITS OWN DUCT ENTERING THE RESPECTIVE  
STACK. EMISSION SOURCE B0003 AND B0004  
ARE COMBUSTION ENGINEERING TRAVELING GRATE  
STOKER BOILERS RATED AT 416 MMBTU/HR  
MAXIMUM HEAT INPUT. BOTH BOILERS BURN  
BITUMINOUS COAL AS THEIR PRIMARY FUEL, WITH  
A VARIETY OF OTHER FUELS (CLEAN WOOD,  
CREOSOTE TREATED WOOD, COAL TAR SOIL, BUSH  
WOOD WASTE) ALSO PERMITTED. PROCESSES P31,  
P35 AND P38 ARE ALL CONSIDERED BASELINE  
FUELS THAT CAN BE BURNED IN ANY COMBINATION  
AND PERCENT OF FUEL ENTERING THE BOILER  
(I.E., BITUMINOUS COAL CAN BE 0-100% OF THE  
FUEL ENTERING THE BOILER, BITUMINOUS COAL  
AND CLEAN UNADULTERATED WOOD CAN BE MIXED  
50%/50%, ETC. THE ALTERNATE FUELS  
(PROCESSES P33, P36, P37 AND P3A) CAN ONLY  
BE MIXED WITH THE PRIMARY FUELS AND BURNED  
ONE AT A TIME (I.E., PROCESS P33 OR P36 OR  
P37 OR P3A CAN BE BURNED WITH ANY  
COMBINATION OF PROCESSES P31/P35/P38). THE  
SAME DISCUSSION HOLDS TRUE FOR PROCESSES  
P41, P43, P45, P46, P47, P48 AND P4A. THE  
BURNING ALTERNATE FUELS IS GOVERNED BY  
SPECIAL PERMIT CONDITIONS. WOOD SOAKED  
WITH A FEW GALLONS OF NO 2 FUEL OIL OR  
DIESEL FUEL IS USED FOR STARTUP. EMISSION  
SOURCES B0003 AND B0004 ARE EACH EQUIPPED  
WITH AN ELECTROSTATIC PRECIPITATOR

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(ENVIRONMENTAL ELEMENTS CORP, A DIVISION OF KOPPERS) TO CONTROL PARTICULATE MATTER EMISSIONS. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE CONTENT OF SULFUR IN THE FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. EMISSION SOURCES B0003 AND B0004 USE AN AMMONIA INJECTION SYSTEM ON AN "AS NEEDED" BASIS TO HELP CONTROL A BLUE PLUME THAT IS SOMETIMES OBSERVED AT EMISSION POINT 00002. THIS PLUME SEEMS TO BE MORE PREVALENT WHEN THE SULFUR CONTENT OF THE FUEL INCREASES BEYOND A CERTAIN LEVEL. AES USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO 2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HAS DONE.

Building(s): BOILER

**Item 25.3:**

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

Emission Unit: H-00003

Emission Unit Description:

HICKLING STATION IS AN ELECTRIC GENERATING STATION CONSISTING OF TWO GENERATOR UNITS. THE FOLLOWING IDENTIFIERS WILL BE USED IN RELATION TO THIS EMISSION UNIT: COAL HANDLING SYSTEM, EMISSION UNIT H00003; BELT CONVEYOR 1, EMISSION SOURCE C0001; BUCKET ELEVATOR, EMISSION SOURCE C0002; BELT CONVEYOR 2, EMISSION SOURCE C0003; SCREW CONVEYOR, EMISSION SOURCE C0004; UNLOADING RAIL CAR, PROCESS PC1; UNLOADING TRUCK, PROCESS PC2, CONVEYING COAL, PROCESS PC3. COAL IS DELIVERED TO HICKLING STATION BY TRAIN AND TRUCK. COAL IS DUMPED FROM HOPPER BOTTOM RAIL CARS INTO A HOPPER LOCATED BELOW THE TRACKS IN THE TRACK HOPPER HOUSE. FROZEN COAL IS THAWED THROUGH THE USE OF AIR THAWING SYSTEMS FIRING NO2 FUEL OIL. THE COAL FALLS FROM THE COAL CARS INTO THE TRACK HOPPER. THE TRACK HOPPER DISCHARGES COAL THROUGH FOUR RECIPROCATING FEEDERS TO BELT CONVEYOR 1. COAL DELIVERED BY TRUCK IS DUMPED DIRECTLY

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ON THE COAL STORAGE PILE. A BULLDOZER IS USED TO SHAPE THE PILE AND RECLAIM COAL FROM THE STORAGE PILE BY PUSHING THE COAL INTO A RECLAIM HOPPER. THE RECLAIM HOPPER DISCHARGES THROUGH A RECIPROCATING FEEDER TO BELT CONVEYOR 1. BELT CONVEYOR 1 DELIVERS COAL TO THE BUCKET CONVEYOR. THE BUCKET CONVEYOR RAISES THE COAL TO THE TOP OF THE BOILER/TURBINE BUILDING AND DISCHARGES INTO A FLOP GATE. THE FLOP GATE DIRECTS THE COAL TO EITHER BELT CONVEYOR 2 OR TO THE COAL STORAGE PILE THROUGH A DISCHARGE CHUTE. BELT CONVEYOR 2 CARRIES THE COAL INTO THE BOILER/TURBINE BUILDING AND DISCHARGES TO A SCREW CONVEYOR. THE SCREW CONVEYOR DELIVERS COAL TO THE BUNKERS FOR EMISSION SOURCES B0001, B0002, B0003 AND B0004. THE COAL HANDLING SYSTEM HAS A NOMINAL CAPACITY OF 100 TONS PER HOUR. ALL OUTSIDE CONVEYORS ARE ENCLOSED ON THREE SIDES FOR DUST CONTROL.

**Condition 26: Compliance Certification**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**0**

**Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)**

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 45 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

In the case of any condition contained in this permit with

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a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 45 days after the reporting period.  
The initial report is due 3/17/02.  
Subsequent reports are due every 6 calendar month(s).

**Condition 27: Compliance Certification**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.5(e)**

**Item 27.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 27.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- the identification of each term or condition of the permit that is the basis of the certification;

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- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

Compliance certifications shall be submitted annually. Certification reports are due 45 days after the anniversary date of four consecutive calendar quarters. The first report is due 45 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2  
Air Compliance Branch  
290 Broadway  
New York, NY 10007-1866

The address for the RAPCE is as follows:

6274 East Avon-Lima Road  
Avon, NY 14414-9519

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring  
and Enforcement



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625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 2/14/02.

Subsequent reports are due on the same day each year

**Condition 28: Permit Exclusion Provisions**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.5(g)**

**Item 28.1:**

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 currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant 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), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

The issuance of this permit by the Department and the receipt thereof by the Applicant does not supercede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by this permit.

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 the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

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 the right of the Department to pursue any claims for natural resource damages against the Applicant.

**Condition 29: Non Applicable requirements**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 201-6.5(g)**

**Item 29.1:**



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This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

**Condition 30: Required emissions tests**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 202-1.1**

**Item 30.1:**

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 6NYCRR Part 202-1.

**Condition 31: Compliance Certification**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 202-2.1**

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 31.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

**Condition 32: Recordkeeping requirements**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 202-2.5**

**Item 32.1:**

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and



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(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

**Condition 33: Visible emissions limited.**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 211.3**

**Item 33.1:**

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.

**Condition 34: Open Fires Prohibited at Industrial and Commercial Sites**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 215.**

**Item 34.1:**

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

**Condition 35: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.3(b)**

**Item 35.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Each piece of equipment which fires Waste Fuel A shall demonstrate, at a minimum, 99% combustion efficiency.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99.0 percent

Monitoring Frequency: CONTINUOUS

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Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 36: Compliance Certification**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.7(a)**

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As required the facility shall sample, analyze, and measure all quantities of waste fuel received and/or fired at the facility. Emissions and/or operations monitoring shall be conducted in a manner suitable to the representative of the commissioner. The facility shall maintain records of quantities of waste fuel B received and the names and addresses of waste Fuel B suppliers for three calander years.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 37: Availability of records for Department inspection.**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.7(d)**

**Item 37.1:**

Any person required to maintain and retain records pursuant to this section must make such records available for inspection by the commissioner or his representative during normal business hours. Such person(s) must furnish copies of such records to the commissioner or his representative upon request.

**Condition 38: Sampling and analysis requirements.**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.7(e)**

**Item 38.1:**

Sampling and analysis of waste fuel samples must be carried out in accordance with methods acceptable to the commissioner.

**Condition 39: Recycling and Emissions Reduction**



**New York State Department of Environmental Conservation**

**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 40CFR 82, Subpart F**

**Item 39.1:**

The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVAC's in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR Part 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR Part 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR Part 82.161.
- d. Persons disposing of small appliances, MVAC's, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR Part 82.166. ("MVAC-like appliance as defined at 40 CFR Part 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR Part 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

**Condition 40: Emission Point Definition By Emission Unit**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 40.1:**

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

Emission Unit: H-00001

Emission Point: 00001

Height (ft.): 142

Diameter (in.): 132

**Item 40.2:**

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

Emission Unit: H-00002



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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

Emission Point: 00002

Height (ft.): 142

Diameter (in.): 132

**Condition 41: Process Definition By Emission Unit**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 41.1:**

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

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Emission Unit: H-00001

Process: P11

Source Classification Code: 1-01-002-05

Process Description:

EMISSION SOURCE B0001 FIRES BITUMINOUS COAL AS ITS PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDE EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0001 - Combustion

Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP01 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.2:**

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

Emission Unit: H-00001

Process: P12

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0001 USES NO 2 FUEL OIL AS A STARTUP FUEL. IT IS USED ON AN AS NEEDED BASIS. A FIRE IS ESTABLISHED DURING



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**Facility DEC ID: 8463800011**

STARTUP BY PILING WOOD ON THE TRAVELING GRATE, SOAKING IT WITH 5 TO 10 GALLONS OF NO 2 FUEL OIL OR DIESEL FUEL/2, AND LIGHTING IT. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001. 2/AES USES DIESEL FULE AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO 2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HAS DONE.

Emission Source/Control: B0001 - Combustion  
Design Capacity: 291 million Btu per hour

**Item 41.3:**

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

Emission Unit: H-00001

Process: P13

Source Classification Code: 1-01-013-02

Process Description:

EMISSION SOURCE B0001 IS PERMITTED TO FIRE WASTE OIL. IT IS USED ON AN OCCASIONAL BASIS. WHEN WASTE OIL ONLY IS BEING FIRED, THE ELECTROSTATIC PRECIPITATORS ARE NOT ENERGIZED. THE PRECIPITATORS ARE ENERGIZED, HOWEVER, WHEN WASTE OIL IS BEING BURNED ALONG WITH BASELINE FUELS. EMISSION SOURCE B0001 IS LIMITED TO BURNING WASTE OIL AT A MAXIMUM RATE OF 2 GALLONS PER MINUTE. THE WASTE OIL MUST MEET THE SPECIFICATIONS OF 6 NYCRR 225-2. THERE ARE NO SPECIFIC CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0001 - Combustion  
Design Capacity: 291 million Btu per hour

**Item 41.4:**

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

Emission Unit: H-00001

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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**



Process: P15

Source Classification Code: 1-01-009-03

Process Description:

EMISSION SOURCE B0001 IS PERMITTED TO FIRE CLEAN UNADULTERATED WOOD AS A PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0001 - Combustion

Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP01 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.5:**

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

Emission Unit: H-00001

Process: P16

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0001 IS PERMITTED TO FIRE CREOSOTE TREATED WOOD (CTW) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); CTW MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUELS. CTW MAY BE FIRED AT A CONCENTRATION UP TO 45% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES



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**Facility DEC ID: 8463800011**

LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0001 - Combustion  
Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP01 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.6:**

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

Emission Unit: H-00001

Process: P17

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0001 IS PERMITTED TO FIRE NON HAZARDOUS COAL TAR CONTAMINATED SOILS (CTS) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); CTS MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. CTS MAY BE FIRED AT A CONCENTRATION UP TO 25% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0001 - Combustion  
Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP01 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.7:**

**New York State Department of Environmental Conservation**

**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**



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

Emission Unit: H-00001

Process: P18

Source Classification Code: 1-01-003-04

Process Description:

EMISSION SOURCE B0001 IS PERMITTED TO FIRE ANTHRACITE COAL AS A PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUEST BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0001 - Combustion

Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP01 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.8:**

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

Emission Unit: H-00001

Process: P19

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0001 USES DIESEL FUEL/3 AS A STARTUP FUEL. IT IS USED ON AN AS NEEDED BASIS. A FIRE IS ESTABLISHED DURING STARTUP BY PILING WOOD ON THE TRAVELING GRATE, SOAKING IT WITH 5 TO 10 GALLONS OF NO2 FUEL OIL OR DIESEL FUEL, AND LIGHTING IT. THERE ARE NO SPECIFIC DIESEL FUEL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001. 3/AES USES DIESEL



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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HAS DONE.

Emission Source/Control: B0001 - Combustion  
Design Capacity: 291 million Btu per hour

**Item 41.9:**

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

Emission Unit: H-00001

Process: P1A

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0001 IS PERMITTED TO FIRE THE WASTE WOOD PRODUCT FROM BUSH INDUSTRY'S FURNITURE MANUFACTURING PROCESS (BUSH WOOD) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); BUSH WOOD MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. BUSH WOOD MAY BE FIRED AT A CONCENTRATION UP TO 45% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0001 - Combustion  
Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP01 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.10:**

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



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**Permit ID: 8-4638-00011/00020**

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Emission Unit: H-00001

Process: P1C

Source Classification Code: 1-01-002-05

Process Description:

EMISSION SOURCE B0001 AMMONIA INJECTION ON AN "AS NEEDED" BASIS TO HELP CONTROL A BLUE PLUME THAT IS SOMETIMES OBSERVED AT EMISSION POINT 00001. THIS PLUME SEEMS TO BE MORE PREVALENT WHEN SULFUR CONTENT OF THE FUEL INCREASES BEYOND A CERTAIN LEVEL. AMMONIA IS INJECTED AT A LOW CONCENTRATION; CONSEQUENTLY, RESIDUAL EMISSIONS ARE LOW.

Emission Source/Control: B0001 - Combustion

Design Capacity: 291 million Btu per hour

**Item 41.11:**

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

Emission Unit: H-00001

Process: P21

Source Classification Code: 1-01-002-05

Process Description:

EMISSION SOURCE B0002 FIRES BITUMINOUS COAL AS ITS PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0002 - Combustion

Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP02 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.12:**

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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**



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

Emission Unit: H-00001

Process: P22

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0002 USES NO 2 FUEL OIL AS A STARTUP FUEL. IT IS USED ON AN AS NEEDED BASIS. A FIRE IS ESTABLISHED DURING STARTUP BY PILING WOOD ON THE TRAVELING GRATE, SOAKING IT WITH 5 TO 10 GALLONS OF NO 2 FUEL OIL OR DIESEL FUEL/3, AND LIGHTING IT. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001. 3/AES HICKLING USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO 2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HICKLING HAS DONE.

Emission Source/Control: B0002 - Combustion

Design Capacity: 291 million Btu per hour

**Item 41.13:**

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

Emission Unit: H-00001

Process: P23

Source Classification Code: 1-01-013-02

Process Description:

EMISSION SOURCE B0002 IS PERMITTED TO FIRE WASTE OIL. IT IS USED ON AN OCCASIONAL BASIS. WHEN WASTE OIL ONLY IS BEING FIRED, THE ELECTROSTATIC PRECIPITATORS ARE NOT ENERGIZED. THE PRECIPITATORS ARE ENERGIZED, HOWEVER, WHEN WASTE OIL IS BEING BURNED ALONG WITH BASELINE FUELS. EMISSION SOURCE B0002 IS LIMITED TO BURNING WASTE OIL AT A MAXIMUM RATE OF 2 GALLONS PER MINUTE. THE WASTE OIL MUST MEET THE SPECIFICATIONS OF 6 NYCRR 225-2. THERE ARE NOT SPECIFIC CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING

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**Facility DEC ID: 8463800011**



SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0002 - Combustion  
Design Capacity: 291 million Btu per hour

**Item 41.14:**

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

Emission Unit: H-00001

Process: P25

Source Classification Code: 1-01-009-03

Process Description:

EMISSION SOURCE B0002 IS PERMITTED TO FIRE CLEAN UNADULTERATED WOOD AS A PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0002 - Combustion  
Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP02 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.15:**

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

Emission Unit: H-00001

Process: P26

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE IS PERMITTED TO FIRE CREOSOTE TREATED WOOD (CTW) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); CTW MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. CTW MAY BE FIRED AT A CONCENTRATION UP TO 45% BY WEIGHT OF TOTAL

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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**



FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL . NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDE EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0002 - Combustion  
Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP02 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.16:**

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

Emission Unit: H-00001

Process: P27

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0002 IS PERMITTED TO FIRE NON HAZARDOUS COAL TAR CONTAMINATED SOILS (CTS) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); CTS MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. CTS MAY BE FIRED AT A CONCENTRATION UP TO 25% BY WEIGHT OF FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM

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ON EMISSION POINT 00001.

Emission Source/Control: B0002 - Combustion  
Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP02 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.17:**

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

Emission Unit: H-00001

Process: P28

Source Classification Code: 1-01-003-04

Process Description:

EMISSION SOURCE B0002 IS PERMITTED TO FIRE ANTHRACITE COAL AS PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

Emission Source/Control: B0002 - Combustion  
Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP02 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.18:**

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

Emission Unit: H-00001

Process: P29

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0002 USES DIESEL FUEL/5 AS A STARTUP FUEL. IT IS USED ON AN AS NEEDED BASIS. A FIRE IS ESTABLISHED DURING

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**Facility DEC ID: 8463800011**



STARTUP BY PILING WOOD ON THE TRAVELING GRATE, SOAKING IT WITH 5 TO 10 GALLONS OF NO 2 FUEL OIL OR DIESEL FUEL, AND LIGHTING IT. THERE ARE NO SPECIFIC DIESEL FUEL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDE EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001. 5/ AES HICKLING USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO 2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HICKLING HAS DONE.

Emission Source/Control: B0002 - Combustion

Design Capacity: 291 million Btu per hour

**Item 41.19:**

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

Emission Unit: H-00001

Process: P2A

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0002 IS PERMITTED TO FIRE THE WASTE WOOD PRODUCT FROM BUSH INDUSTRY'S FURNITURE MANUFACTURING PROCESS (BUSH WOOD) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); BUSH WOOD MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. BUSH WOOD MAY BE FIRED AT A CONCENTRATION UP TO 45% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00001. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00001.

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Emission Source/Control: B0002 - Combustion  
Design Capacity: 291 million Btu per hour

Emission Source/Control: ESP02 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.20:**

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

Emission Unit: H-00001

Process: P2C

Source Classification Code: 1-01-002-05

Process Description:

EMISSION SOURCE B0002 USES AMMONIA INJECTION ON AN "AS NEEDED" BASIS TO HELP CONTROL A BLUE PLUME THAT IS SOMETIMES OBSERVED AT EMISSION POINT 00001. THIS PLUME SEEMS TO BE MORE PREVALENT WHEN THE SULFUR CONTENT OF THE FUEL INCREASES BEYOND A CERTAIN LEVEL. AMMONIA IS INJECTED AT A LOW CONCENTRATION; CONSEQUENTLY, RESIDUAL EMISSIONS ARE LOW.

Emission Source/Control: B0002 - Combustion  
Design Capacity: 291 million Btu per hour

**Item 41.21:**

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

Emission Unit: H-00002

Process: P31

Source Classification Code: 1-01-002-05

Process Description:

EMISSION SOURCE B0003 FIRES BITUMINOUS COAL AS ITS PRIMARY BASELINE (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS MONITORING SYSTEM ON

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EMISSION POINT 00002.

Emission Source/Control: B0003 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP03 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.22:**

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

Emission Unit: H-00002

Process: P32

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0003 USES NO 2 FUEL OIL AS A STARTUP FUEL. IT IS USED ON AN AS NEEDED BASIS. A FIRE ESTABLISHED DURING STARTUP BY PILING WOOD ON THE TRAVELING GRATE, SOAKING IT WITH 5 TO 10 GALLONS OF NO 2 FUEL OIL OR DIESEL FUEL 11, AND LIGHTING IT. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM ON EMISSION POINT 00002. 11/AES HICKLING USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO 2 FUEL OIL, DIESEL FUEL OIL AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HICKLING HAS DONE.

Emission Source/Control: B0003 - Combustion  
Design Capacity: 416 million Btu per hour

**Item 41.23:**

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

Emission Unit: H-00002

Process: P33

Source Classification Code: 1-01-013-02

Process Description:

EMISSION SOURCE B0003 IS PERMITTED TO FIRE WASTE OIL. IT IS USED ON AN OCCASIONAL BASIS. WHEN WASTE OIL ONLY IS BEING FIRED, THE ELECTROSTATIC PRECIPITATORS ARE NOT ENERGIZED. THE PRECIPITATORS ARE ENERGIZED, HOWEVER, WHEN WASTE OIL IS BEING



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BURNED ALONG WITH BASELINE FUELS. EMISSION SOURCE B0003 IS LIMITED TO BURNING WASTE OIL AT A MAXIMUM RATE OF 2 GALLONS PER MINUTE. THE WASTE OIL MUST MEET THE SPECIFICATIONS OF 6 NYCRR 225-2. THERE ARE NO SPECIFIC CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0003 - Combustion  
Design Capacity: 416 million Btu per hour

**Item 41.24:**

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

Emission Unit: H-00002

Process: P35

Source Classification Code: 1-01-009-03

Process Description:

EMISSION SOURCE B0003 IS PERMITTED TO FIRE CLEAN UNADULTERATED WOOD AS A PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 0002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDE EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0003 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP03 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.25:**

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



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Emission Unit: H-00002

Process: P36

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0003 IS PERMITTED TO FIRE CREOSOTE TREATED WOOD (CTW) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); CTW MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. CTW MAY BE FIRED AT A CONCENTRATION UP TO 45% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDE EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0003 - Combustion

Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP03 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.26:**

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

Emission Unit: H-00002

Process: P37

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0003 IS PERMITTED TO FIRE NON HAZARDOUS COAL TAR CONTAMINATED SOILS (CTS) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); CTS MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUELS. CTS MAY BE FIRED AT A CONCENTRATION UP TO 25% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN

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OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0003 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP03 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.27:**

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

Emission Unit: H-00002

Process: P38

Source Classification Code: 1-01-003-04

Process Description:

EMISSION SOURCE B0003 FIRES ANTHRACITE COAL AS ITS PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES NEW YORK'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0003 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP03 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.28:**

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

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Emission Unit: H-00002

Process: P39

Source Classification Code: 1-01-005-01

**Process Description:**

EMISSION SOURCE B0003 USES DIESEL FUEL/12 AS A STARTUP FUEL. IT IS USED ON AN AS NEEDED BASIS. A FIRE IS ESTABLISHED DURING START UP BY PILING WOOD ON THE TRAVELING GRATE, SOAKING IT WITH 5 TO 10 GALLONS OF NO 2 FUEL OIL OR DIESEL FUEL, AND LIGHTING IT. THERE ARE NO SPECIFIC DIESEL FUEL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002. 12/AES HICKLING USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO 2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HICKLING HAS DONE.

Emission Source/Control: B0003 - Combustion

Design Capacity: 416 million Btu per hour

**Item 41.29:**

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

Emission Unit: H-00002

Process: P3A

Source Classification Code: 1-01-012-01

**Process Description:**

EMISSION SOURCE B0003 IS PERMITTED TO FIRE THE WASTE WOOD PRODUCT FROM BUSH INDUSTRY'S FURNITURE MANUFACTURING PROCESS (BUSH WOOD) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); BUSH WOOD MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. BUSH WOOD MAY BE FIRED AT A CONCENTRATION UP TO 45% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE

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CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES HICKLING'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0003 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP03 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.30:**

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

Emission Unit: H-00002

Process: P3C

Source Classification Code: 1-01-002-05

Process Description:

EMISSION SOURCE B0003 USES AMMONIA INJECTION ON AN "AS NEEDED" BASIS TO HELP CONTROL A BLUE PLUME THAT IS SOMETIMES OBSERVED AT EMISSION POINT 00002. THIS PLUME SEEMS TO BE MORE PREVALENT WHEN THE SULFUR CONTENT OF THE FUEL INCREASES BEYOND A CERTAIN LEVEL. AMMONIA IS INJECTED AT A LOW CONCENTRATION; CONSEQUENTLY, RESIDUAL EMISSIONS ARE LOW.

Emission Source/Control: B0003 - Combustion  
Design Capacity: 416 million Btu per hour

**Item 41.31:**

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

Emission Unit: H-00002

Process: P41

Source Classification Code: 1-01-002-05

Process Description:

EMISSION SOURCE B00004 FIRES BITUMINOUS COAL AS ITS PRIMARY BASELINE FUEL (0-100%) BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY

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LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES HICKLING'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP04 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.32:**

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

Emission Unit: H-00002

Process: P42

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0004 USES NO 2 FUEL OIL AS A STARTUP FUEL. IT IS USED ON AN AS NEEDED BASIS. A FIRE IS ESTABLISHED DURING START UP BY PILING WOOD ON A TRAVELING GRATE, SOAKING IT WITH 5 TO 10 GALLONS OF NO 2 FUEL OIL OR DIESEL FUEL/13, AND LIGHTING IT. THERE ARE NOT SPECIFIC FUEL OIL SONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002. 13/AES HICKLING USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO. 2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HICKLING HAS DONE.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 416 million Btu per hour

**Item 41.33:**

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



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Emission Unit: H-00002

Process: P43

Source Classification Code: 1-01-013-02

Process Description:

EMISSION SOURCE B0004 IS PERMITTED TO FIRE WASTE OIL. IT IS USED ON AN OCCASIONAL BASIS. WHEN WASTE OIL ONLY IS BEING FIRED, THE ELECTROSTATIC PRECIPITATORS ARE NOT ENERGIZED. THE PRECIPITATORS ARE ENERGIZED HOWEVER, WHEN WASTE OIL IS BEING BURNED ALONG WITH BASELINE FUELS. EMISSION SOURCE B0004 IS LIMITED TO BURNING WASTE OIL AT A MAXIMUM RATE OF 2 GALLONS PER MINUTE. THE WASTE OIL MUST MEET THE SPECIFICATION OF 6 NYCRR 225-2. THERE ARE NOT SPECIFIC CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0004 - Combustion

Design Capacity: 416 million Btu per hour

**Item 41.34:**

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

Emission Unit: H-00002

Process: P45

Source Classification Code: 1-01-009-03

Process Description:

EMISSION SOURCE B0004 IS PERMITTED TO FIRE CLEAN UNADULTERATED WOOD AS A PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES HICKLING'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.



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Emission Source/Control: B0004 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP04 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.35:**

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

Emission Unit: H-00002

Process: P46

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0004 IS PERMITTED TO FIRE CREOSOTE TREATED WOOD (CTW) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); CTW MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. CTW MAY BE FIRED AT A CONCENTRATION UP TO 45% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES HICKLING'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP04 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.36:**

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

Emission Unit: H-00002

Process: P47

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0004 IS PERMITTED TO FIRE NON HAZARDOUS COAL TAR CONTAMINATED SOILS

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(CTS) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); CTS MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. CTS MAY BE FIRED AT A CONCENTRATION UP TO 25% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES HICKLING'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0004 - Combustion

Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP04 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.37:**

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

Emission Unit: H-00002

Process: P48

Source Classification Code: 1-01-003-04

Process Description:

EMISSION SOURCE B0004 FIRES ANTHRACITE COAL AS ITS PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES HICKLING'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS



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EMISSION MONITORING SYSTEM ON EMISSION  
POINT 00002.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP04 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.38:**

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

Emission Unit: H-00002

Process: P49

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0004 USES DIESEL FUEL/14 AS A STARTUP FUEL. IT IS USED ON AN AS NEEDED BASIS. A FIRE IS ESTABLISHED DURING STARTUP BY PILING WOOD ON THE TRAVELING GRATE, SOAKING IT WITH 5 TO 10 GALLONS OF NO 2 FUEL OIL OR DIESEL FUEL, AND LIGHTING IT. THERE ARE NO SPECIFIC DIESEL FUEL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002. 14/AES HICKLING USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO 2 FUEL OIL, DIESEL FUEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS AES HICKLING HAS DONE.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 416 million Btu per hour

**Item 41.39:**

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

Emission Unit: H-00002

Process: P4A

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0004 IS PERMITTED TO FIRE THE WASTE WOOD PRODUCT FROM BUSH INDUSTRY'S FURNITURE MANUFACTURING PROCESS (BUSH WOOD) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); BUSH WOOD MAY NOT BE

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MIXED WITH ANY OTHER ALTERNATE FUEL. BUSH WOOD MAY BE FIRED AT A CONCENTRATION UP TO 45% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00002. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM WIDE BASIS ARE ESTABLISHED IN AES HICKLING'S NOX RACT COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00002.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 416 million Btu per hour

Emission Source/Control: ESP04 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 41.40:**

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

Emission Unit: H-00002  
Process: P4C  
Source Classification Code: 1-01-002-05  
Process Description:

EMISSION SOURCE B0004 USES AMMONIA INJECTION ON AN "AS NEEDED" BASIS TO HELP CONTROL A BLUE PLUME THAT IS SOMETIMES OBSERVED AT EMISSION POINT 00002. THIS PLUME SEEMS TO BE MORE PREVALENT WHEN THE SULFUR CONTENT OF THE FUEL INCREASES BEYOND A CERTAIN LEVEL. AMMONIA IS INJECTED AT A LOW CONCENTRATION; CONSEQUENTLY, RESIDUAL EMISSIONS ARE LOW.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 416 million Btu per hour

**Condition 42: Episode action plans.**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 207.3(d)**

**New York State Department of Environmental Conservation**

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**Item 42.1:**

This Condition applies to Emission Unit: H-00001

**Item 42.2:**

Any person who owns an air contamination source for which an episode action plan has been issued or approved shall take whatever actions are prescribed by this episode action plan when an air pollution episode is in effect.

**Condition 43: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM data will be used to certify compliance with 6NYCRR Part 225-1. Sulfur in fuel limited to 1.7 pounds per million BTU on an annual average. A report verifying this shall be submitted within 45 days of the end of each calendar year quarter.

Manufacturer Name/Model Number: Monitor Labs 8850, Fuji 3300

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.7 pounds per million Btus

Reference Test Method: 40CFR60 ApA Me6c

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 44: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 44.1:**

The Compliance Certification activity will be performed for:



**New York State Department of Environmental Conservation**

**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 44.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM data will be used to certify compliance with 6NYCRR Part 225-1. Sulfur in fuel limited to 2.5 pounds per million BTU maximum. A report verifying this shall be submitted within 45 days of the end of each calendar year quarter.

Manufacturer Name/Model Number: Monitor Labs 8850, Fuji 3300

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.5 pounds per million Btus

Reference Test Method: 40CFR60 ApA Me6c

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 45: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM data will be used to certify compliance with 6NYCRR Part 225-1. Sulfur in fuel limited to 1.9 pounds per million BTU on a 3 month average. A report verifying this shall be submitted within 45 days of the end of each

**New York State Department of Environmental Conservation**

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calendar year quarter.

Manufacturer Name/Model Number: Monitor Labs 8850, Fuji 3300

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.9 pounds per million Btus

Reference Test Method: 40CFR60 ApA Me6c

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 46: Interpolation method for standards of particulate matter from solid fuel firing equipment.  
Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(4)**

**Item 46.1:**

This Condition applies to Emission Unit: H-00001

**Item 46.2:**

The following equation shall be used to determine the applicable particulate matter emission rate for a stationary combustion installations with a total heat input between 10-10,000 mmBtu/hr:

$$E = 1.0/p^{0.22}$$

where:

E = permissible emission rate in lb/million Btu

p = total heat input in mmBtu/hr.

**Condition 47: Compliance Certification  
Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(4)**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**



Stack testing as requested by NYSDEC or USEPA.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.246 pounds per million Btus

Reference Test Method: 40CFR60 ApA Me5

Monitoring Frequency: AS REQUIRED - SEE MONITORING

**DESCRIPTION**

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 48: Multiple combustion sources.**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(b)**

**Item 48.1:**

This Condition applies to Emission Unit: H-00001

**Item 48.2:**

The total heat input of all furnaces connected to the same stack or pollution control device shall be used to calculate the permissible particulate emission rate.

**Condition 49: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor. Reports verifying compliance shall be submitted 45 days after the end of each calendar year quarter.



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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 50: Multiple fuels particulate matter emission rate.  
Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.5**

**Item 50.1:**

This Condition applies to Emission Unit: H-00001

**Item 50.2:**

When two or more different fuels are burned simultaneously in a single furnace of a stationary combustion installation, the permissible emission rate for a contaminant shall be the sum of the permissible emission rates of the contaminant for each fuel multiplied by the heat derived from such fuel.

**Condition 51: Compliance Certification  
Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.5(b)**

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

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

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO<sub>x</sub> SHALL BE MONITORED, USING A CEM  
SYSTEM, AND THE RESULTS REPORTED  
PURSUANT TO AES HICKLING'S APPROVED NO<sub>x</sub>  
RACT COMPLIANCE PLAN. AS PER THE PLAN,  
THE 365-DAY TONNAGE CAP ON NO<sub>x</sub> MUST BE  
ADHERED TO. REPORTS SHALL BE SUBMITTED  
WITHIN 45 DAYS OF THE END OF EACH  
CALENDAR YEAR QUARTER.

Manufacturer Name/Model Number: Monitor Labs 8840, Air Monitor Corp. FE

Reference Test Method: 40CFR60 ApA Me7e

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**New York State Department of Environmental Conservation**

Permit ID: 8-4638-00011/00020

Facility DEC ID: 8463800011



**Condition 52: Compliance Certification**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 231-2.6**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

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

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. NO<sub>x</sub> emissions shall not exceed 242 tons per year as determined by continuous monitoring. The mass emissions must be totalized using the hourly arithmetic mass emissions during each twenty-four hour daily period (12:00 midnight to the following midnight) as specified in AES's NO<sub>x</sub> RACT Compliance Plan. The NO<sub>x</sub> emission limit of 242 tons per year shall be based on a calendar year aggregate of emissions.

2. NYSEG has established 200 tons per year of NO<sub>x</sub> emission reduction credits by voluntary reduction in allowable NO<sub>x</sub> emissions from emission point # 00001. One hundred thirty six (136) tpy of these ERCs have been used by the Guardian Glass Geneva float glass manufacturing facility; the remaining 64 ERCs are noticed in the Environmental Notice Bulletin Registry. Reports verifying compliance with this condition shall be submitted within 45 days of the end of each calendar year quarter.

Reference Test Method: 40CFR60ApAMet7e

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 53: Compliance Certification**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 40CFR 72.**

**New York State Department of Environmental Conservation**

**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**



**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00001

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- 1) The New York State Department of Environmental Conservation issues this permit in accordance with 6 NYCRR parts 200 and 201 and 40 CFR Parts 72, 73, 75, 76, 77 and 78.
- 2) The Phase II application (attached) is hereby incorporated by reference into this permit. the owners and/or operators must comply with the standard requirements set forth in the Phase II permit application dated 12/15/95.
- 3) The allowance allocations for Emission Unit H00001 (boilers 1 and 2) are as stated in Tables 2, 3 and/or 4 of 40 CFR Part 73. Phase I allowance allocations are as stated in the Phase I permit (attached) dated 7/21/94.
- 4) Emission Unit H00001 is not subject to an oxides of nitrogen emissions limit under Title IV.
- 5) This permit does not relieve the permittee from compliance with applicable state and federal air pollution control rules and regulations.
- 6) The permittee shall be required to have sufficient sulfur dioxide allowances in their possession to cover the emissions from the operation of Emission Unit H00001 (boilers 1 and 2) as set forth in the Phase II Permit Application dated 12/15/95.

Annual compliance certifications under 40CFR72 shall be submitted within 60 days of the end of each calendar year.



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**Facility DEC ID: 8463800011**

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 54: Episode action plans.**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 207.3(d)**

**Item 54.1:**

This Condition applies to Emission Unit: H-00002

**Item 54.2:**

Any person who owns an air contamination source for which an episode action plan has been issued or approved shall take whatever actions are prescribed by this episode action plan when an air pollution episode is in effect.

**Condition 55: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00002

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM data will be used to certify compliance with 6NYCRR Part 225-1. Sulfur in fuel limited to 1.9 pounds per million BTU on a 3 month average. A report verifying this shall be submitted within 45 days of the end of each calendar year quarter.

Manufacturer Name/Model Number: Monitor Labs 8850, Fuji 330

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.9 pounds per million 0Btus

Reference Test Method: 40CFR60 ApA Me6c

Monitoring Frequency: CONTINUOUS

Averaging Method: 3-MONTH AVERAGE ROLLED MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

**Condition 56: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00002

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM data will be used to certify compliance with 6NYCRR Part 225-1. Sulfur in fuel limited to 1.7 pounds per million BTU on an annual average. A report verifying this shall be submitted within 45 days of the end of each calendar year quarter.

Manufacturer Name/Model Number: Monitor Labs 8850, Fuji 3300

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.7 pounds per million Btus

Reference Test Method: 40CFR60 ApA Me6c

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 57: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00002

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 57.2:**

Compliance Certification shall include the following monitoring:



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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CEM data will be used to certify compliance with 6NYCRR Part 225-1. Sulfur in fuel limited to 2.5 pounds per million BTU maximum. A report verifying this shall be submitted within 45 days of the end of each calendar year quarter.

Manufacturer Name/Model Number: Monitor Labs 8850, Fuji 3300

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.5 pounds per million Btus

Reference Test Method: 40CFR60 ApA Me6c

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 58: Interpolation method for standards of particulate matter from solid fuel firing equipment.**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(4)**

**Item 58.1:**

This Condition applies to Emission Unit: H-00002

**Item 58.2:**

The following equation shall be used to determine the applicable particulate matter emission rate for a stationary combustion installations with a total heat input between 10-10,000 mmBtu/hr:

$$E = 1.0/p^{0.22}$$

where:

E = permissible emission rate in lb/million Btu

p = total heat input in mmBtu/hr.

**Condition 59: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(a)(4)**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00002

Regulated Contaminant(s):



**New York State Department of Environmental Conservation**

**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

CAS No: 0NY075-00-0 PARTICULATES

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Stack testing as requested by NYSDEC or USEPA.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.228 pounds per million Btus

Reference Test Method: 40 CFR60 ApA Me5

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 60: Multiple combustion sources.**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.2(b)**

**Item 60.1:**

This Condition applies to Emission Unit: H-00002

**Item 60.2:**

The total heat input of all furnaces connected to the same stack or pollution control device shall be used to calculate the permissible particulate emission rate.

**Condition 61: Compliance Certification**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No owner or operator of a combustion installation shall



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emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor. Reports verifying compliance shall be submitted 45 days after the end of each calendar year quarter.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 62: Multiple fuels particulate matter emission rate.**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-1.5**

**Item 62.1:**

This Condition applies to Emission Unit: H-00002

**Item 62.2:**

When two or more different fuels are burned simultaneously in a single furnace of a stationary combustion installation, the permissible emission rate for a contaminant shall be the sum of the permissible emission rates of the contaminant for each fuel multiplied by the heat derived from such fuel.

**Condition 63: Compliance Certification**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 227-2.5(b)**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00002

Regulated Contaminant(s):

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

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO<sub>x</sub> SHALL BE MONITORED, USING A CEM SYSTEM, AND THE RESULTS REPORTED PURSUANT TO AES NEW YORK'S NO<sub>x</sub> RACT COMPLIANCE PLAN. REPORTS SHALL BE SUBMITTED WITHIN 45 DAYS IF THE END OF EACH CALENDAR YEAR QUARTER.



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**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

Manufacturer Name/Model Number: Monitor Labs 8840, Air Monitor Corp. FE  
Reference Test Method: 40CFR60 ApA Me7e  
Monitoring Frequency: CONTINUOUS  
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 64: Compliance Certification**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 40CFR 72.**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: H-00002

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- 1) The New York State Department of Environmental Conservation issues this permit in accordance with 6 NYCRR parts 200 and 201 and 40 CFR Parts 72, 73, 75, 76, 77 and 78.
- 2) The Phase II application (attached) is hereby incorporated by reference into this permit. The owners and/or operators must comply with the standard requirements set forth in the Phase II permit application dated 12/15/95.
- 3) The allowance allocations for Emission Unit H00002 (boilers 3 and 4) are as stated in Tables 2, 3 and/or 4 of 40 CFR Part 73. Phase I allowance allocations are as stated in the Phase I permit (attached) dated 7/21/94.
- 4) Emission Unit H00002 is not subject to an oxides of nitrogen emissions limit under Title IV.
- 5) This permit does not relieve the permittee from compliance with applicable state and federal air pollution control rules and regulations.
- 6) The permittee shall be required to have sufficient



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sulfur dioxide allowances in their possession to cover the emissions from the operation of Emission Unit H00002 (boilers 3 and 4) as set forth in the Phase II Permit Application dated 12/15/95.

Annual compliance certifications under 40CFR72 shall be submitted within 60 days of the end of each calendar year.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 65: 212.6(a) - Opacity standard**  
**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 65.1:**

This Condition applies to Emission Unit: H-00003

**Item 65.2:**

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.

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Facility DEC ID: 8463800011



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**Condition 66: General Provisions**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 66.1:**

This section 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 66.2:**

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.

**Item 66.3:**

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.

**Condition 67: Contaminant List**

**Effective between the dates of 08/06/2001 and 08/06/2006**

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

**Item 67.1:**

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: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN



**New York State Department of Environmental Conservation**

**Permit ID: 8-4638-00011/00020**

**Facility DEC ID: 8463800011**

**Condition 68: Air pollution prohibited**

**Effective between the dates of 08/06/2001 and 08/06/2006**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 68.1:**

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.