

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 8573600004**



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 8-5736-00004/00013  
Effective Date: 09/07/2001 Expiration Date: 09/07/2006

Permit Type: Title IV (Phase II Acid Rain)  
Permit ID: 8-5736-00004/00014  
Effective Date: 09/07/2001 Expiration Date: 09/07/2006

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

Contact: DOUGLAS J. ROLL  
PO BOX 187  
DRESDEN, NY 14441-0187

Facility: AES GREENIDGE LLC  
RT 14  
DRESEN, NY 14527

Contact: DOUGLAS J. ROLL  
PO BOX 187  
DRESDEN, NY 14441-0187

**Description:**

Initial Title V facility permit and modification of the Title IV (Acid Rain) facility permit for an existing electric generating station. Greenidge Generating Station consists of three emission units: two electric generating units, G-00003 and G-00004; and one coal handling system unit, G-00005. Emission Unit G-00003 consists of two dry bottom wall-fired pulverized coal boilers, B0004 and B0005, each with a maximum heat input of 380 MMBTU/HR. Emissions from boilers B0004 and B0005 exhaust through a common stack, Emission Point 00003. Emission Unit G-00004 consists of one dry bottom, tangentially-fired pulverized coal boiler, B0006, with a maximum heat input of 1,117 MMBTU/HR. Emissions from boiler B0006 exhaust through another stack, Emission Point 00004. All three boilers burn bituminous coal as their primary fuel, with clean (untreated) wood, waste wood product from a furniture manufacturer ("Bush" wood), #2 fuel oil, diesel oil, waste oil, and natural gas also permitted. B0004 and B0005 are each equipped with a multiclone mechanical particulate collector and an electrostatic precipitator to control particulate matter emissions. B0006 has an electrostatic precipitator to control particulate emissions. SO<sub>2</sub> emissions from all three boilers are controlled by limiting the sulfur content of the fuel. NO<sub>x</sub> emissions from all three boilers are controlled through good combustion practices, and for boiler B0006 also by the addition of overfire air and natural gas reburn. Emission Unit G-00005 includes all coal handling operations at the facility. Coal is delivered to the facility by train and truck. Coal delivered by train is dumped from the bottom of the cars into hoppers below the tracks. Coal delivered by truck is dumped directly on a coal storage pile. Coal from the storage pile is then pushed to a reclaim hopper by a



**New York State Department of Environmental Conservation**  
**Facility DEC ID: 8573600004**

bulldozer. Both the track hopper and reclaim hopper discharge coal to an apron conveyor which delivers coal to the coal crusher. A series of conveyors then take crushed coal to the transfer house and then to the boiler/turbine building for delivery to the bunkers for the three boilers. The capacity of the coal handling system is 300 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, and 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 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 included as part of this permit.

Permit Administrator: PETER A. LENT  
6274 EAST AVON LIMA RD  
AVON, NY 14414-9519

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_



**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 rights-of-way that may be required to carry out the activities that are authorized by this permit.

**Item D: No Right to Trespass or Interfere with Riparian Rights**

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions, and Revocations by the Department

**Facility Level**

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



**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

**New York State Department of Environmental Conservation**  
**Facility DEC ID: 8573600004**



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  
Division of Environmental Permits  
6274 Avon-Lima Road  
Avon, NY 14414-9519  
(716) 226-2466



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

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

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

**IDENTIFICATION INFORMATION**

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

Contact: DOUGLAS J. ROLL  
PO BOX 187  
DRESDEN, NY 14441-0187

Facility: AES GREENIDGE LLC  
RT 14  
DRESEN, NY 14527

Contact: DOUGLAS J. ROLL  
PO BOX 187  
DRESDEN, NY 14441-0187

Authorized Activity By Standard Industrial Classification Code:  
4911 - ELECTRIC SERVICES



**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 Compliance Certification
- 38 Compliance Certification
- 39 Compliance Certification
- 40 Compliance Certification



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

- 41 Compliance Certification
- 42 Compliance Certification
- 43 Availability of records for Department inspection.
- 44 Sampling and analysis requirements.
- 45 Compliance Certification
- 46 Recycling and Emissions Reduction
- Emission Unit Level**
- 47 Emission Point Definition By Emission Unit
- 48 Process Definition By Emission Unit
- 49 Compliance Certification (EU=G-00003)
- 50 Multiple fuels particulate matter emission rate.
- 51 Compliance Certification (EU=G-00003)
- 52 Compliance Certification (EU=G-00003,EP=00003)
- 53 Compliance Certification (EU=G-00003,EP=00003)
- 54 Compliance Certification (EU=G-00003,EP=00003)
- 55 Interpolation method for standards of particulate matter  
from solid fuel firing equipment.
- 56 Compliance Certification (EU=G-00003,EP=00003)
- 57 Compliance Certification (EU=G-00003,EP=00003)
- 58 Compliance Certification (EU=G-00003,EP=00003)
- 59 Compliance Certification (EU=G-00004)
- 60 Multiple fuels particulate matter emission rate.
- 61 Compliance Certification (EU=G-00004)
- 62 Compliance Certification (EU=G-00004,EP=00004)
- 63 Compliance Certification (EU=G-00004,EP=00004)
- 64 Compliance Certification (EU=G-00004,EP=00004)
- 65 Interpolation method for standards of particulate matter  
from solid fuel firing equipment.
- 066 Compliance Certification (EU=G-00004,EP=00004)
- 67 Compliance Certification (EU=G-00004,EP=00004)
- 68 Compliance Certification (EU=G-00004,EP=00004)
- 69 212.6(a) - Opacity standard

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 70 General Provisions
- 71 Contaminant List
- 72 Air pollution prohibited

Permit Effective Date: 09/07/2001

Permit Expiration Date: 09/07/2006



**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004

**FEDERALLY ENFORCEABLE CONDITIONS**

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

**Condition 1: Sealing**

**Effective between the dates of 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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.



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

**Condition 4: Unpermitted Emission Sources**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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.



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

(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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

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



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

**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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

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



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

**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 09/07/2001 and 09/07/2006**

**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.

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



**Condition 16: Fees**  
Effective between the dates of 09/07/2001 and 09/07/2006

**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 09/07/2001 and 09/07/2006

**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 09/07/2001 and 09/07/2006

**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 09/07/2001 and 09/07/2006

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



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

**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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

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

**Item 25.1:**

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

Emission Unit: G-00003

Emission Unit Description:

GREENRIDGE STATION IS AN ELECTRIC  
GENERATING STATION CONSISTING OF TWO  
GENERATOR UNITS. THE FOLLOWING IDENTIFIERS  
WILL BE USED IN RELATION TO THIS EMISSION  
UNIT: GREENRIDGE UNIT 3: EMISSION UNIT

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



G-00003; GREENRIGE STACK 3; EMISSION POINT 00003; BOILER 4 MULTICLONES; EMISSION SOURCE MC004; BOILER 4 ELECTROSTATIC PRECIPITATOR; EMISSION SOURCE ESP04; BURNING BITUMINOUS COAL; PROCESS P41; BURNING NO. 2 FUEL OIL; PROCESS P42; BURNING WASTE OIL; PROCESS P43; BURNING CLEAN UNADULTERATED WOOD; PROCESS P45; BURNING DIESEL FUEL; PROCESS P49; BURNING BUSH WASTE WOOD; PROCESS P4A; BOILER 5; EMISSION SOURCE B0005; BOILER 5 MULTICLONES; EMISSION SOURCE MC005; BOILER 5 ELECTROSTATIC PRECIPITATOR; EMISSION SOURCE ESP05; BURNING BITUMINOUS COAL; PROCESS P51; BURNING NO. 2 FUEL OIL; PROCESS P52; BURNING WASTE OIL; PROCESS P53; BURNING CLEAN UNADULTERATED WOOD; PROCESS P55; BURNING DIESEL FUEL; PROCESS P59; BURNING BUSH WASTE WOOD; PROCESS P5A. STEAM FOR UNIT 3 IS SUPPLIED BY EMISSION SOURCES B0004 AND B0005. EMISSION SOURCES B0004 AND B0005 EXHAUST THROUGH A COMMON STACK (EMISSION POINT 00003). EACH BOILER HAS ITS OWN DUCT ENTERING THE STACK. EMISSION SOURCES B0004 AND B0005 ARE BABCOCK & WILCOX DRY BOTTOM WALL FIRED PULVERIZED COAL BOILERS RATED AT 380 MMBTU/HR MAXIMUM HEAT INPUT. BOTH BOILERS BURN BITUMINOUS COAL AS THEIR PRIMARY FUEL, WITH OTHER FUELS (CLEAN WOOD, BUSH WOOD, NATURAL GAS) ALSO PERMITTED. THE BURNING OF ALTERNATE FUELS IS GOVERNED BY SPECIAL PERMIT CONDITIONS. NO. 2 FUEL OIL OR DIESEL FUEL IS USED FOR STARTUP AND FLAME STABILIZATION AS NEEDED. NOTES: NYSEG 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 NYSEG HAS DONE. THE CURRENT CERTIFICATES TO OPERATE CORRECTLY LIST EMISSION SOURCES B0004 AND B0005 AS BEING RATED AT 380 MMBTU/HR HEAT INPUT EACH. HOWEVER, THE PREPRINTED INFORMATION DISTRIBUTED WITH THE NEW AIR PERMIT APPLICATION FORMS INCORRECTLY LISTS BOILER 5 AS BEING RATED AT 330 MMBTU/HR HEAT INPUT. NYSEG HAS ONCE AGAIN LISTED

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



EACH BOILER AS BEING RATED AT 380 MMBTU/HR HEAT INPUT IN THIS APPLICATION. EMISSION SOURCES B0004 AND B0005 ARE EACH EQUIPPED WITH A MULTICLONE MECHANICAL PARTICULATE COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR 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. UNIT 3 IS SOMETIMES OPERATED AS A SYNCHRONOUS CONDENSER, RATHER THAN AS A GENERATING UNIT. IN THIS MODE, THE GENERATOR ACTS LIKE A MOTOR, ABSORBING POWER FROM THE ELECTRICAL DISTRIBUTION SYSTEM AND HELPING SMOOTH OUT SUDDEN CHANGES IN SYSTEM VOLTAGE CAUSED BY CHANGES IN DEMAND. THE SPINNING GENERATOR CAUSES THE TURBINE TO SPIN, ALSO, COOLING STEAM IS NEEDED TO PREVENT DAMAGE TO THE TURBINE. THE AMOUNT OF STEAM NEEDED IS SMALL AND IS SUPPLIED BY BURNING FUEL OIL IN EMISSION SOURCES B0004 AND B0005.

Building(s): BOILER

**Item 25.2:**

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

Emission Unit: G-00004

Emission Unit Description:

GREENIDGE STATION IS AN ELECTRIC GENERATING STATION CONSISTING OF 2 GENERATOR UNITS. THE FOLLOWING IDENTIFIERS WILL BE USED IN RELATION TO THIS EMISSION UNIT. GREENIDGE UNIT 4: EMISSION UNIT G00004. GREENIDGE STACK 4: EMISSION POINT 00004; BOILER 6; EMISSION SOURCE B0006; BOILER 6 ELECTROSTATIC PRECIPITATOR; EMISSION SOURCE ESP06; BURNING BITUMINOUS COAL; PROCESS P61; BURNING NO. 2 FUEL OIL; PROCESS P62; BURNING WASTE OIL; PROCESS P63; BURNING CLEAN UNADULTERATED WOOD; PROCESS P65; BURNING DIESEL FUEL; PROCESS P69; BURNING BUSH WASTE WOOD; PROCESS 6A; BURNING NATURAL GAS; PROCESS P6B; INJECTING AMMONIA; PROCESS P6C. STEAM FOR UNIT 4 IS SUPPLIED BY EMISSION SOURCE B0006. EMISSION SOURCE B0006 EXHAUSTS THROUGH EMISSION POINT 00004. EMISSION SOURCE B0006 IS A

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



COMBUSTION ENGINEERING DRY BOTTOM, TANGENTIALLY FIRED PULVERIZED COAL BOILER RATED AT 1,117 MMBTU/HR MAXIMUM HEAT INPUT. EMISSION SOURCE B0006 BURNS BITUMINOUS COAL AS ITS PRIMARY FUEL, WITH A VARIETY OF OTHER FUELS (CLEAN WOOD, BUSH WOOD WASTE, NATURAL GAS) ALSO PERMITTED. THE BURNING OF ALTERNATE FUELS IS GOVERNED BY SPECIAL PERMIT CONDITIONS. NO. 2 FUEL OIL OR DIESEL FUEL IS USED FOR STARTUP AND FLAME STABILIZATION. EMISSION SOURCE B0006 IS EQUIPED WITH AN ELECTROSTATIC PRECIPITATOR 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, AND OVER-FIRE AIR AND GAS REBURN. EMISSION SOURCE B0006 HAS RECENTLY BEEN FITTED WITH GAS REBURN AND ADVANCED GAS REBURN CAPABILITIES. GAS REBURN INVOLVES OPERATING THE MAIN COMBUSTION AREA IN A SLIGHTLY FUEL-LEAN MODE. NATURAL GAS IS THEN INTRODUCED ABOVE THIS AREA TO ALLOW THE COMPLETION OF COMBUSTION BEFORE THE FLUE GASES LEAVE THE BOILER. ADVANCED GAS REBURN ENTAILS THE INJECTION OF AMMONIA TO REACT WITH THE NOX AND CONVERT IT TO N<sub>2</sub> AND O<sub>2</sub> (SELECTIVE NON-CATALYTIC REDUCTION OR SNCR). THIS PROJECT IS STILL IN THE RESEARCH AND DEVELOPMENT STAGE, BEING TESTED FOR THE FIRST TIME AT GREENIDGE IN 1996. FURTHER TESTING IS TAKING PLACE IN 1997. NOTE: NYSEG USES DIESEL FUEL AND KEROSENE INTERCHANGEABLY FOR THIS PROCESS. IT APPEARS THAT NO. 2 FUEL OIL, DIESEL OIL, AND KEROSENE COULD HAVE BEEN GROUPED TOGETHER, BASED ON SCC CODE, RATHER THAN SEPARATED AS NYSEG HAS DONE.

Building(s): BOILER

**Item 25.3:**

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

Emission Unit: G-00005

Emission Unit Description:

GREENIDGE STATION IS AN ELECTRIC GENERATING STATION CONSISTING OF TWO

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



GENERATOR UNITS. THE FOLLOWING IDENTIFIERS WILL BE USED IN RELATION TO THIS EMISSION UNIT. COAL HANDLING SYSTEM: EMISSION UNIT G00005. THAWING SYSTEM; EMISSION SOURCE C0001; APRON CONVEYOR ; EMISSION SOURCE C0002; CONVEYOR E; EMISSION SOURCE C0003; CONVEYOR G; EMISSION SOURCE C0004; CONVEYOR K; EMISSION SOURCE C0006; CONVEYOR Q; EMISSION SOURCE C0007; CONVEYOR S-1; EMISSION SOURCE C0008; UNLOADING RAIL CAR; PROCESS PC1; UNLOADING TRUCKPROCESS PC2; CONVEYING COAL; PROCESS PC3. COAL IS DELIVERED TO GREENIDGE STATION BY TRAIN AND TRUCK. RAIL CARS ARE UNLOADED THROUGH THE BOTTOM IN THE COAL UNLOADING BUILDING. FROZEN COAL IS THAWED THROUGH THE USE OF AIR THAWING SYSTEMS FIRING NO. 2 FUEL OIL. THE COAL FALLS FROM THE COAL CARS INTO TRACK HOPPERS A AND B. TRACK HOPPERS A AND B DISCHARGE COAL THROUGH RECIPROCATING FEEDERS A AND B RESPECTIVELY, TO THE APRON CONVEYOR. COAL DELIVERED BY TRUCK IS DUMPED DIRECTLY 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 TO THE APRON CONVEYOR. THE APRON CONVEYOR DELIVERS COAL THROUGH FLOP GATE 1 TO THE COAL CRUSHER OR TO A BYPASS CHUTE WHICH DIRECTS COAL AROUND THE CRUSHER. FROM EITHER THE CRUSHER OR THE BYPASS CHUTE, THE COAL DISCHARGES TO CONVEYOR E. CONVEYOR E RAISES THE COAL TO THE TOP OF THE TRANSFER HOUSE. IN THE TRANSFER HOUSE, FLOP GATE 2 DIRECTS THE COAL TO EITHER CONVEYOR G OR PCONVEYOR P DISCHARGES COAL TO THE COAL STORAGE PILE THROUGH A DISCHARGE CHUTE. CONVEYOR G CARRIES THE COAL INTO THE BOILER/TURBINE BUILDING. THE COAL DISCHARGES THROUGH FLOP GATE 3 TO EITHER CONVEYOR K OR Q. CONVEYOR K DELIVERS COAL TO THE BUNKERS FOR EMISSION SOURCES B0004 AND B0005. CONVEYOR Q DISCHARGES COAL TO CONVEYOR S-1, WHICH DELIVERS THE COAL TO THE BUNKER FOR EMISSION SOURCE B0006. THE COAL HANDLING SYSTEM HAS A NORMAL CAPACITY OF 300 TONS PER HOUR. ALL OUTSIDE CONVEYORS ARE

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



ENCLOSED ON THREE SIDES FOR DUST CONTROL.

**Condition 26: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**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 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



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

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: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 45 days after previous reporting period

**Condition 27: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**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;
- 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 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



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  
625 Broadway  
Albany, NY 12233-3258

Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 45 days after previous reporting period

**Condition 28: Permit Exclusion Provisions**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**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).



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

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 09/07/2001 and 09/07/2006**

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

**Item 29.1:**

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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

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

**Item 31.1:**

The Compliance Certification activity will be performed for the Facility.



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

**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 09/07/2001 and 09/07/2006**

**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

(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 09/07/2001 and 09/07/2006**

**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 09/07/2001 and 09/07/2006**

**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.

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



**Condition 35: Compliance Certification**  
Effective between the dates of 09/07/2001 and 09/07/2006

**Applicable Federal Requirement: 6NYCRR 225-1.8**

**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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Upon request the owner or operator of a facility which purchases and fires coal or oil shall submit reports to the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 45 days after every 6 calendar months (January - June, July - December)

**Condition 36: Compliance Certification**  
Effective between the dates of 09/07/2001 and 09/07/2006

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

**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: 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 Limit of Monitoring: 99.0 percent

Monitoring Frequency: CONTINUOUS

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 37: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 37.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 37.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Fuel contaminant limitations for lead.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Limit of Monitoring: 250.0 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL  
CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 38: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 38.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

Fuel heat content - minimum required

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: HEAT CONTENT

Lower Limit of Monitoring: 125000.0 British thermal units per



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

gallon

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 39: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 39.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Fuel contaminant limitations for Polychlorinated Biphenyls.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Limit of Monitoring: 49.99 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 40: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 40.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



Fuel contaminant limitations for sulfur.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: SULFUR CONTENT

Upper Limit of Monitoring: 1.5 percent by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 41: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 6NYCRR 225-2.4(b)**

**Item 41.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Fuel contaminant limitations for total halogens.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Limit of Monitoring: 1000.0 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 42: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 42.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 42.2:**

Compliance Certification shall include the following monitoring:

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



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 calendar years.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 43: Availability of records for Department inspection.  
Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 43.1:**

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 44: Sampling and analysis requirements.  
Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 44.1:**

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

**Condition 45: Compliance Certification  
Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 45.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 45.2:**

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



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 6NYCRR PARTS 200 AND 201 AND 40CFR PARTS 72, 73, 75, 77 AND 78.

2)THE PHASE II APPLICATION (ATTACHED) IS HEREBY INCORPORATED INTO THIS PERMIT. THE OWNERS AND/OR OPERATORS MUST COMPLY WITH THE STANDARD REQUIREMENTS SET FORTH IN THE PHASE II PERMIT APPLICATION DATED 12/16/97.

3)THE ALLOWANCE ALLOCATIONS FOR EMISSION UNIT

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 01/20/2002 for the period 09/07/2001 through 12/06/2001

**Condition 46: Recycling and Emissions Reduction**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 46.1:**

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.

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



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.

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

**Condition 47: Emission Point Definition By Emission Unit  
Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 47.1:**

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

Emission Unit: G-00003

Emission Point: 00003  
Height (ft.): 250

Diameter (in.): 156

**Item 47.2:**

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

Emission Unit: G-00004

Emission Point: 00004  
Height (ft.): 250

Diameter (in.): 156

**Condition 48: Process Definition By Emission Unit  
Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 48.1:**

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

Emission Unit: G-00003

Process: P41

Source Classification Code: 1-01-002-02

Process Description:

EMISSION SOURCE B0004 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 A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



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 NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 380 million Btu per hour

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

Emission Source/Control: MC004 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 48.2:**

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

Emission Unit: G-00003

Process: P42

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0004 USES NO. 2 FUEL OIL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS-NEEDED BASIS. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN (MARCH 1996).

Emission Source/Control: B0004 - Combustion  
Design Capacity: 380 million Btu per hour

**Item 48.3:**

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

Emission Unit: G-00003

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



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 5 GALLONS PER MINUTE. THE WASTE OIL MUST MEET THE SPECIFICATIONS OF 6 NYCRR 225-2. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Emission Source/Control: B0004 - Combustion

Design Capacity: 380 million Btu per hour

**Item 48.4:**

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

Emission Unit: G-00003

Process: P45

Source Classification Code: 1-01-002-03

**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 A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. 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 NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 380 million Btu per hour

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

Emission Source/Control: MC004 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 48.5:**

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

Emission Unit: G-00003

Process: P49

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0004 USES DIESEL FUEL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS-NEEDED BASIS. THERE ARE NO SPECIFIC DIESEL FUEL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 380 million Btu per hour

**Item 48.6:**

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

Emission Unit: G-00003

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

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



MIXED WITH ANY OTHER ALTERNATE FUEL. BUSH WOOD MAY BE FIRED AT A CONCENTRATION UP TO 30% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. 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 NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 380 million Btu per hour

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

Emission Source/Control: MC004 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 48.7:**

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

Emission Unit: G-00003

Process: P4X

Source Classification Code: 1-01-003-04

**Process Description:**

Emission source B0004 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P4X has been created to calculate emissions for the various mixtures. Processes P41 and P45 can be combusted alone or in any combination; P4A can be combusted (with certain limits as detailed in the process description) with any combination of P41/P45. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Emission Source/Control: B0004 - Combustion  
Design Capacity: 380 million Btu per hour

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



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

Emission Source/Control: MC004 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 48.8:**

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

Emission Unit: G-00003

Process: P51

Source Classification Code: 1-01-002-02

Process Description:

EMISSION SOURCE B0005 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 A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. 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 NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Emission Source/Control: B0005 - Combustion

Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP05 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC005 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 48.9:**

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

Emission Unit: G-00003

Process: P52

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0005 USES NO. 2 FUEL OIL

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS-NEEDED BASIS. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Emission Source/Control: B0005 - Combustion  
Design Capacity: 380 million Btu per hour

**Item 48.10:**

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

Emission Unit: G-00003

Process: P53

Source Classification Code: 1-01-013-02

Process Description:

EMISSION SOURCE B0005 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 B0005 IS LIMITED TO BURNING WASTE OIL AT A MAXIMUM RATE OF 5 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. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Emission Source/Control: B0005 - Combustion

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



Design Capacity: 380 million Btu per hour

**Item 48.11:**

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

Emission Unit: G-00003

Process: P55

Source Classification Code: 1-01-009-03

Process Description:

EMISSION SOURCE B0005 IS PERMITTED TO 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 A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. 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 NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Emission Source/Control: B0005 - Combustion

Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP05 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC005 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 48.12:**

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

Emission Unit: G-00003

Process: P59

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0005 USES DIESEL FUEL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS-NEEDED BASIS. THERE ARE NO SPECIFIC DIESEL FUEL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Emission Source/Control: B0005 - Combustion  
Design Capacity: 380 million Btu per hour

**Item 48.13:**

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

Emission Unit: G-00003

Process: P5A

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0005 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 30% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. 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 NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Emission Source/Control: B0005 - Combustion  
Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP05 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



Emission Source/Control: MC005 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 48.14:**

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

Emission Unit: G-00003

Process: P5X

Source Classification Code: 1-01-003-04

Process Description:

Emission source B005 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P5X has been created to calculate emissions for the various mixtures. Processes P51 and P55 can be combusted alone or in any combination; P5A can be combusted (within certain limits as detailed in the process description) with any combination of P51/P55. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Emission Source/Control: B0005 - Combustion  
Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP05 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC005 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 48.15:**

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

Emission Unit: G-00004

Process: P61

Source Classification Code: 1-01-002-02

Process Description:

EMISSION SOURCE B0006 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 00004. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. THE USE OF GAS REBURN AND THE

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



USE OF ADVANCED GAS REBURN ARE BEING TESTED ON THIS UNIT TO CONTROL NITROGEN OXIDES EMISSIONS. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00004.

Emission Source/Control: B0006 - Combustion  
Design Capacity: 1,117 million Btu per hour

Emission Source/Control: ESP06 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 48.16:**

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

Emission Unit: G-00004

Process: P62

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0006 USES NO. 2 FUEL OIL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS NEEDED BASIS. 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 00004.

Emission Source/Control: B0006 - Combustion  
Design Capacity: 1,117 million Btu per hour

**Item 48.17:**

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

Emission Unit: G-00004

Process: P63

Source Classification Code: 1-01-013-02

Process Description:

EMISSION SOURCE B0006 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 B0006 IS LIMITED TO BURNING WASTE OIL AT A



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

MAXIMUM RATE OF 5 GALLONS PER MINUTE. THE WASATE 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 00004.

Emission Source/Control: B0006 - Combustion  
Design Capacity: 1,117 million Btu per hour

**Item 48.18:**

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

Emission Unit: G-00004

Process: P65

Source Classification Code: 1-01-009-03

Process Description:

EMISSION SOURCE B0006 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 00004. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. THE USE OF GAS REBURN AND THE USE OF ADVANCED GAS REBURN ARE BEING TESTED ON THIS UNIT TO CONTROL NITROGEN OXIDES EMISSIONS. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00004.

Emission Source/Control: B0006 - Combustion  
Design Capacity: 1,117 million Btu per hour

Emission Source/Control: ESP06 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 48.19:**

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

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



Emission Unit: G-00004

Process: P69

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0006 USES DIESEL FUEL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS NEEDED BASIS. 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 00004.

Emission Source/Control: B0006 - Combustion

Design Capacity: 1,117 million Btu per hour

**Item 48.20:**

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

Emission Unit: G-00004

Process: P6A

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B0006 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 30% 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 00004. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. THE USE OF GAS REBURN AND THE USE OF ADVANCED GAS REBURN ARE BEING TESTED ON THIS UNIT TO CONTROL NITROGEN OXIDES EMISSIONS. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00004.

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



Emission Source/Control: B0006 - Combustion  
Design Capacity: 1,117 million Btu per hour

Emission Source/Control: ESP06 - Control  
Control Type: ELECTROSTATIC PRECIPITATOR

**Item 48.21:**

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

Emission Unit: G-00004

Process: P6B

Source Classification Code: 1-01-006-04

Process Description:

EMISSION SOURCE B0006 USES NATURAL GAS FOR A PORTION OF THE BOILER'S HEAT INPUT WHEN OPERATING IN GAS REBURN OR ADVANCED GAS REBURN MODE. WHILE THERE IS NO SPECIFIC LIMIT ON THE AMOUNT OF NATURAL GAS THAT MAY BE BURNED, EMISSION SOURCE B0006 IS ONLY CAPABLE OF USING NATURAL GAS FOR APPROXIMATELY 20% OF THE TOTAL BOILER HEAT INPUT.

Emission Source/Control: B0006 - Combustion  
Design Capacity: 1,117 million Btu per hour

**Item 48.22:**

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

Emission Unit: G-00004

Process: P6C

Source Classification Code: 1-01-002-02

Process Description:

WHEN OPERATING IN ADVANCED GAS REBURN MODE, AMMONIA IS INJECTED INTO EMISSION SOURCE B0006. THE INJECTION IS CAREFULLY CONTROLLED TO AVOID EXCESS AMMONIA IN THE FLUE GAS WHICH LEAD TO PLUGGAGE OF THE AIR PREHEATER. ONE OF THE GOALS OF THE RESEARCH AND DEVELOPMENT PROGRAM IS TO DETERMINE THE OPTIMAL AMMONIA INJECTION RATE. AT THIS POINT, IT IS DIFFICULT TO DETERMINE WHAT AMMONIA EMISSIONS MIGHT BE, BUT IT IS EXPECTED THEY WILL BE LOW (<10 PPM). AMMONIA EMISSIONS WILL BE PERIODICALLY MONITORED AS PART OF THE R&D PROGRAM.

Emission Source/Control: B0006 - Combustion  
Design Capacity: 1,117 million Btu per hour

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



**Item 48.23:**

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

Emission Unit: G-00004

Process: P6X

Source Classification Code: 1-01-006-04

Process Description:

Emission source B0006 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P6X has been created to calculate emissions for the various mixtures. Processes P61, P65 and P6B can be combusted alone or in any combination; P6A can be combusted (within certain limits as detailed in the process description) with any combination of P61/P65/P6B. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Emission Source/Control: B0006 - Combustion

Design Capacity: 1,117 million Btu per hour

Emission Source/Control: ESP06 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

**Condition 49: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for any sized boiler firing solid fuel and not subject to the provisions of 6 NYCRR 227-1.2(a)(3).

Parameter Monitored: PARTICULATES



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

Upper Limit of Monitoring: .232 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE MONITORING

**DESCRIPTION**

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 50: Multiple fuels particulate matter emission rate.  
Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 50.1:**

This Condition applies to Emission Unit: G-00003

**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 09/07/2001 and 09/07/2006**

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

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: 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> WILL BE MONITORED, USING THE CS003 CEM SYSTEM, AND THE RESULTS REPORTED PURSUANT TO NYSEG'S APPROVED TITLE I NO<sub>x</sub> RACT PLAN. AS PER THE PLAN, THE 365-DAY TONNAGE CAP ON NO<sub>x</sub> MUST BE ADHERED TO.

Reference Test Method: 40CFR APP A METH 7E

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 01/20/2002 for the period 09/07/2001 through 12/06/2001

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



**Condition 52: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003 Emission Point: 00003

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored to assure compliance with 225-1.2(d) sulfur-in-fuel limits. Sulfur dioxide limit is 5 lb/mmbtu (daily average), corresponding to sulfur-in-fuel limit of 2.5 lb/mmbtu (daily average).

Parameter Monitored: SULFUR DIOXIDE

Upper Limit of Monitoring: 5.0 pounds per million Btus

Reference Test Method: 40CFR60 Ap A Met 6C

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 45 days after each calendar quarter (January - March, April - June, July - September, October - December)

**Condition 53: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003 Emission Point: 00003

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

**Item 53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored to assure compliance with 225-1.2(d) sulfur-in-fuel limits. Sulfur dioxide emission limit: 3.8lb/mmbtu (12-month rolling average), corresponding to sulfur-in-fuel limit of 1.9 lb/mmbtu (12-month rolling avg.)

Parameter Monitored: SULFUR DIOXIDE

Upper Limit of Monitoring: 3.8 pounds per million Btus

Reference Test Method: 40CFR App A Meth 6C

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 45 days after each calendar quarter (January - March, April - June, July - September, October - December)

**Condition 54: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003 Emission Point: 00003

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored to assure compliance with 225-1.2(d) sulfur-in-fuel limits. Sulfur dioxide emission limit is 3.8 lb/mmbtu (3-month rolling average), corresponding to sulfur-in-fuel limit of 1.9 lb/mmbtu (3-month rolling average).

Parameter Monitored: SULFUR DIOXIDE

Upper Limit of Monitoring: 3.8 pounds per million Btus

Reference Test Method: 40CFR60 Ap A Met 6C



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

Monitoring Frequency: CONTINUOUS

Averaging Method: 90-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 45 days after each calendar quarter (January - March, April - June,  
July - September, October - December)

**Condition 55: Interpolation method for standards of particulate matter  
from solid fuel firing equipment.**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 55.1:**

This Condition applies to Emission Unit: G-00003 Emission Point: 00003

**Item 55.2:**

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 56: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003 Emission Point: 00003

**Item 56.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 45 days after each calendar quarter (January - March, April - June,  
July - September, October - December)

**Condition 57: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 40CFR 75.**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003 Emission Point: 00003

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sulfur dioxide emissions must be monitored (using the  
CS003 CEM system detailed in the March, 1997 CEM Plan),  
and reported for Phase II boilers under 40CFR75, although  
the sulfur dioxide allowance program does not become  
effective until 01/01/00.

Monitoring Frequency: AS REQUIRED - SEE MONITORING  
DESCRIPTION

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 10/21/2002 for the period 09/07/2001 through 09/06/2002

**Condition 58: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 40CFR 76.**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003 Emission Point: 00003

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx emissions must be monitored (using the CSG003 CEM system, per the March 1996 CEM plan), and reported under 40CFR 75, although a NOx limit does not take effect till 01/01/00.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (ANNIVERSARY)

Initial Report Due: 10/21/2002 for the period 09/07/2001 through 09/06/2002

**Condition 59: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Regulated Contaminant:

CAS No: 0NY075-00-0

Name: PARTICULATES

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for any sized boiler firing solid fuel and not subject to the provisions of 6 NYCRR 227-1.2(a)(3).

Parameter Monitored: PARTICULATES

Upper Limit of Monitoring: .214 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



**Condition 60: Multiple fuels particulate matter emission rate.**  
Effective between the dates of 09/07/2001 and 09/07/2006

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

**Item 60.1:**

This Condition applies to Emission Unit: G-00004

**Item 60.2:**

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 61: Compliance Certification**  
Effective between the dates of 09/07/2001 and 09/07/2006

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

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NO<sub>x</sub> WILL BE MONITORED, USING THE  
EMISSION POINT 00004 CEM SYSTEM, AND THE  
RESULTS REPORTED PURSUANT TO NYSEG'S  
APPROVED TITLE I NO<sub>x</sub> RACT PLAN. AS PER  
446 THE PLAN, THE 365-DAY TONNAGE CAP MUST BE  
ADHERED TO.

Reference Test Method: 40CFR APP A METH 7E

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (ANNIVERSARY)

Initial Report Due: 01/20/2002 for the period 09/07/2001 through 12/06/2001

**Condition 62: Compliance Certification**  
Effective between the dates of 09/07/2001 and 09/07/2006

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



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

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004 Emission Point: 00004

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored to assure compliance with 225-1.2(d) sulfur-in-fuel limits. Sulfur dioxide limit is 5lb/mmbtu (daily average), corresponding to sulfur-in-fuel limit of 2.5 lb/mmbtu (daily average).

Parameter Monitored: SULFUR DIOXIDE

Upper Limit of Monitoring: 5.0 pounds per million Btus

Reference Test Method: 40CFR App A Meth 6C

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 45 days after each calendar quarter (January - March, April - June, July - September, October - December)

**Condition 63: Compliance Certification**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004 Emission Point: 00004

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 63.2:**

Compliance Certification shall include the following monitoring:



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored to assure compliance with 225-1.2(d) sulfur-in-fuel limits. Sulfur dioxide emission limit is 3.8 lb/mmbtu (12-month rolling avg.), corresponding to sulfur-in-fuel limit of 1.9 lb/mmbtu (12-month rolling avg.)

Parameter Monitored: SULFUR DIOXIDE

Upper Limit of Monitoring: 3.8 pounds per million Btus

Reference Test Method: 40CFR App A Meth 6C

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 45 days after each calendar quarter (January - March, April - June, July - September, October - December)

**Condition 64: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004 Emission Point: 00004

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 64.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored to assure compliance with sulfur-in-fuel limits in 225-1.2(d). Sulfur dioxide limit is 3.8lb/mmbtu (3-month rolling average), corresponding to sulfur-in-fuel limit of 1.9 lb/mmbtu (3-moth rolling average).

Parameter Monitored: SULFUR DIOXIDE

Upper Limit of Monitoring: 3.8 pounds per million Btus

Reference Test Method: 40CFR App A Meth 6C

Monitoring Frequency: CONTINUOUS

Averaging Method: 90-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

Reports due 45 days after each calendar quarter (January - March, April - June, July - September, October - December)

**Condition 65: Interpolation method for standards of particulate matter from solid fuel firing equipment.  
Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 65.1:**

This Condition applies to Emission Unit: G-00004 Emission Point: 00004

**Item 65.2:**

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 66: Compliance Certification  
Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004 Emission Point: 00004

**Item 66.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY

Upper Limit of Monitoring: 20 percent

Monitoring Frequency: CONTINUOUS



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 45 days after each calendar quarter (January - March, April - June,  
July - September, October - December)

**Condition 67: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 40CFR 75.**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004 Emission Point: 00004

Regulated Contaminant:

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sulfur dioxide emissions must be monitored using the  
emission point 0004 CEM system detailed in the March,  
1997 CEM plan), and reported for Phase II boilers under  
40CFR75, although the sulfur dioxide allowance program  
does not become effective until 01/01/00.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 68: Compliance Certification**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable Federal Requirement: 40CFR 76.**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004 Emission Point: 00004

Regulated Contaminant:

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

**Item 68.2:**



**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx emissions must be monitored (using the CSG003 CEM system, per the March 1996 CEM plan), and reported under 40CFR75, although a NOx limit does not take effect till 01/01/00.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 69: 212.6(a) - Opacity standard**  
**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 69.1:**

This Condition applies to Emission Unit: G-00005

**Item 69.2:**

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.

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



**STATE ONLY ENFORCEABLE CONDITIONS**

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

**Condition 70: General Provisions**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 70.1:**

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 70.2:**

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 70.3:**

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 71: Contaminant List**

**Effective between the dates of 09/07/2001 and 09/07/2006**

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

**Item 71.1:**

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

**Condition 72: Air pollution prohibited**

**New York State Department of Environmental Conservation**

**Permit ID: 8-5736-00004/00013**

**Facility DEC ID: 8573600004**



**Effective between the dates of 09/07/2001 and 09/07/2006**

**Applicable State Requirement: 6NYCRR 211.2**

**Item 72.1:**

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.