



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 8-5736-00004/00013  
Effective Date: 11/05/2007 Expiration Date: 11/04/2012

Permit Type: Title IV (Phase II Acid Rain)  
Permit ID: 8-5736-00004/00014  
Effective Date: 11/05/2007 Expiration Date: 11/04/2012

Permit Issued To: AES GREENIDGE LLC  
590 PLANT RD  
PO BOX 187  
DRESDEN, NY 14441

Contact: DOUGLAS J ROLL  
AES GREENIDGE LLC  
PO BOX 187  
DRESDEN, NY 14441-0187

Facility: AES GREENIDGE LLC  
590 PLANT RD  
DRESDEN, NY 14441

Contact: DOUGLAS J ROLL  
AES GREENIDGE LLC  
PO BOX 187  
DRESDEN, NY 14441-0187

**Description:**

Renewal and modification of the Title V and Title IV (Acid Rain) Facility Permits for this electric generating station. The Title V Facility Permit was issued September 7, 2001. The Title IV Facility Permit was issued effective January 1, 2000, expiring December 31, 2004. The Title IV Permit was modified September 7, 2001 to change its permit term to coincide with the permit term of the Title V Permit.

Greenidge Station includes two electric generating emission units, G-00003 and G-00004; and one coal handling system emission unit, G-00005. G-00003 includes two 380 MMBTU/hr dry bottom wall-fired pulverized coal boilers venting through a common stack. G-00004 is a dry bottom 1,117 MMBTU/hr tangentially-fired pulverized coal boiler venting through a separate stack. 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.

The modified Title V and Title IV Permits reflect the addition of a multi-pollutant control system to G-00004, and the restriction of the G-00003 boilers to 1400 hours of operation per year during calendar years 2007, 2008, and 2009. under terms of a Consent Order. G-00004 will be equipped with selective catalytic reduction (SCR) and selective

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



non-catalytic reduction (SNCR) equipment to reduce NOx emissions, activated carbon injection to reduce mercury emissions, and a spray dry reactor and baghouse to control sulfur dioxide and particulate emissions. Particulate emissions from G-00004 were previously controlled by an electrostatic precipitator (ESP), which remains the control method for G-00003.

G-00005 coal handling operations at the facility will remain unchanged.

Facility potentials to emit will be decreased by facility modifications. The Consent Order also specifies that G-00003 boilers must have BACT controls installed, be repowered, or cease operations by December 31, 2009.

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:           DAVID L BIMBER  
  DIVISION OF ENVIRONMENTAL PERMITS  
  6274 EAST AVON LIMA RD  
  AVON, NY 14414-9519

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



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

**Item B: Permittee's Contractors to Comply with Permit**

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

**Item C: Permittee Responsible for Obtaining Other Required Permits**

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

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

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



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
  - Applications for permit renewals, modifications and transfers
  - Applications for Permit Renewals and Modifications
  - Permit modifications, suspensions or revocations by the Department
  - Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

- Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

**For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions.**

**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**

**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**

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

**Item 2.1:**

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

**Condition 3: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6 NYCRR 621.11**

**Item 3.1:**

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

**Item 3.2:**

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

**Item 3.3:**

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



submitted prior to actual transfer of ownership.

**Condition 4: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 4.1:**

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 4.2:**

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

**Item 4.3:**

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

**Condition 5: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 621.13**

**Item 5.1:**

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

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

**Condition 6: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6 NYCRR 621.14**

**Item 6.1:**

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

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the



existing permit;

e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

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

**Condition 7: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS**

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

**Item 7.1:**

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 GREENIDGE LLC  
590 PLANT RD  
PO BOX 187  
DRESDEN, NY 14441

Facility: AES GREENIDGE LLC  
590 PLANT RD  
DRESDEN, NY 14441

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

Permit Effective Date: 11/05/2007

Permit Expiration Date: 11/04/2012



## LIST OF CONDITIONS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 6 NYCRR 211.3: Visible Emissions Limited
- 21 40 CFR Part 68: Accidental release provisions.
- 22 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 24 6 NYCRR 225-1.8: Compliance Certification
- 25 6 NYCRR 225-2.3 (b): Compliance Certification
- 26 6 NYCRR 225-2.4 (b): Compliance Certification
- 27 6 NYCRR 225-2.4 (b): Compliance Certification
- 28 6 NYCRR 225-2.4 (b): Compliance Certification
- 29 6 NYCRR 225-2.4 (b): Compliance Certification
- 30 6 NYCRR 225-2.7 (a): Compliance Certification
- 31 6 NYCRR 225-2.7 (d): Availability of records for Department inspection.
- 32 6 NYCRR 225-2.7 (e): Sampling and analysis requirements.
- 33 6 NYCRR 227-1.3: Compliance Certification
- 34 40CFR 52.21, Subpart A: Compliance Certification
- 35 40 CFR Part 64: Compliance Certification

#### Emission Unit Level

- 36 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 37 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

#### EU=G-00003

- 38 6 NYCRR 225-1.2 (d): Compliance Certification
- 39 6 NYCRR 225-1.2 (d): Compliance Certification



- 40 6 NYCRR 225-1.2 (d): Compliance Certification
- 41 6 NYCRR 225-2.4 (b): Compliance Certification
- 42 6 NYCRR 227-1.2 (a) (4): Compliance Certification
- 43 6 NYCRR 227-1.3 (a): Compliance Certification
- 44 6 NYCRR 227-1.5: Multiple fuels particulate matter emission rate.
- 45 6 NYCRR 227-2.5 (b): Compliance Certification

**EU=G-00004**

- 46 6 NYCRR 225-1.2 (d): Compliance Certification
- 47 6 NYCRR 225-2.4 (b): Compliance Certification
- 48 6 NYCRR 227-1.2 (a) (4): Compliance Certification
- 49 6 NYCRR 227-1.3 (a): Compliance Certification
- 50 6 NYCRR 227-1.5: Multiple fuels particulate matter emission rate.
- 51 6 NYCRR 227-2.5 (b): Compliance Certification

**EU=G-00004,EP=00004**

- 52 6 NYCRR 225-1.2 (d): Compliance Certification
- 53 6 NYCRR 225-1.2 (d): Compliance Certification

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 54 ECL 19-0301: Contaminant List
- 55 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 56 6 NYCRR 211.2: Air pollution prohibited



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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**  
**The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.**

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

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

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

**Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)**

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 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.



**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item D: Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)**

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 stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (a) (5)**

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.

**Item H: Property Rights - 6 NYCRR 201-6.5 (a) (6)**

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



**Item I: Severability - 6 NYCRR 201-6.5 (a) (9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

**Item J: Permit Shield - 6 NYCRR 201-6.5 (g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. 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.

**Item K: Reopening for Cause - 6 NYCRR 201-6.5 (i)**

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 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.

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.

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.

**Item L: Permit Exclusion - ECL 19-0305**

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS  
SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.**

**Condition 1: Acceptable Ambient Air Quality**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:6 NYCRR 200.6**

**Item 1.1:**  
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 2: Fees**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (7)**

**Item 2.1:**  
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

**Condition 3: Recordkeeping and reporting of compliance monitoring**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 3.1:**



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 a responsible official, consistent with Section 201-6.3 of this Part 201.

**Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement: 6 NYCRR 201-6.5 (c) (2)**

**Item 4.1:**

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, 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 5: Compliance Certification**

**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 5.2:**

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 60 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.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A



written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

The provisions of 6 NYCRR 201-1.4 shall apply if the permittee seeks to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

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 Quality Assurance (BQA) 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 PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.



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

**Condition 6: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
  - 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.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. 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.

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iv. 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 Quality Assurance (BQA) 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 BQA is as follows:

NYSDEC  
Bureau of Quality Assurance  
625 Broadway  
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2008.  
Subsequent reports are due on the same day each year

**Condition 7: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 7.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 7.2:**

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. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway,



Albany NY 12233-3251

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due by April 15th for previous calendar year

**Condition 8: Recordkeeping requirements**  
Effective between the dates of 11/05/2007 and 11/04/2012

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

**Item 8.1:**

(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 9: Open Fires Prohibited at Industrial and Commercial Sites**  
Effective between the dates of 11/05/2007 and 11/04/2012

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

**Item 9.1:**

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS  
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

**The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.**

**[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]**

**Condition 10: Maintenance of Equipment**  
Effective between the dates of 11/05/2007 and 11/04/2012

**Applicable Federal Requirement:6 NYCRR 200.7**

**Item 10.1:**

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.

**Condition 11: Recycling and Salvage**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 11.1:**

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 the ECL.

**Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 12.1:**

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 13: Exempt Sources - Proof of Eligibility**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 13.1:**

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 this Subpart. 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 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 14: Trivial Sources - Proof of Eligibility**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 14.1:**

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. 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 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 15: Standard Requirement - Provide Information**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)**

**Item 15.1:**

The owner and/or operator 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. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

**Condition 16: General Condition - Right to Inspect**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)**

**Item 16.1:**

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart 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 emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 17: Standard Requirements - Progress Reports**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)**

**Item 17.1:**

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. 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 18: Off Permit Changes**

**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 18.1:**

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

**Condition 19: Required Emissions Tests**

**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 19.1:**

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

**Condition 20: Visible Emissions Limited**

**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:6 NYCRR 211.3**

**Item 20.1:**

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.

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**Condition 21: Accidental release provisions.**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:40 CFR Part 68**

**Item 21.1:**

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

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
  - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
  - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

**Condition 22: Recycling and Emissions Reduction**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 22.1:**

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

**The following conditions are subject to annual compliance certification requirements for Title V permits only.**

**Condition 23: Emission Unit Definition**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 23.1:**

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

Emission Unit: G-00003

Emission Unit Description:

Emission unit 3 consists of two Babcock & Wilson dry



bottom wall fired pulverized coal boilers rated at 380 mmBTU/hr. The boilers (4 and 5) fire mainly bituminous coal, but can also burn clean wood and natural gas. Number 2 oil and diesel fuel are used for startup and flame stabilization as needed. Particulate control is provided by a multiclone mechanical particulate collector, and by an electrostatic precipitator. 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 grid and helping smooth out sudden changes in system voltage caused by changes in demand. The spinning generator causes the turbine to spin, and cooling steam is needed to prevent damage to the turbine. The small amount of steam needed for this is supplied by burning fuel oil in boilers 4 and 5.

Building(s): BOILER

**Item 23.2:**

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

Emission Unit: G-00004

Emission Unit Description:

Combustion Engineering dry bottom, tangentially fired pulverized coal boiler rated at 1,117 mmbtu/hr maximum heat input. The boiler burns bituminous coal as its primary fuel, with a variety of other fuels (clean wood, wood waste from a furniture manufacturing process, natural gas) also permitted. No. 2 fuel oil, diesel fuel, or kerosene are used for startup and flame stabilization. The boiler is equipped with over-fire air, SNCR, and SCR to control NOx emissions, activated carbon injection to control mercury emissions, and a spray dry reactor and a baghouse to control sulfur dioxide and particulate emissions.

Building(s): BOILER

**Item 23.3:**

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

Emission Unit: G-00005

Emission Unit Description:

The solid fuel handling system, including the coal storage pile, the wood storage pile, the wood hammer mill, the coal unloading building, the reclaim hopper, and the conveyance systems for the coal and wood. All potential emissions from this unit are fugitives, and there are no emission unit specific applicable requirements.

Building(s): CPILE1  
WDBRN  
WOODPILE  
YARD



**Item 23.4:**

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

Emission Unit: G-00006

Emission Unit Description:

The ash handling system, which consists of a fly ash storage silo, the ash disposal landfill. Collected fly ash is pneumatically conveyed to the fly ash storage silo, (which is equipped with a baghouse), and then mixed with water in a pug mill prior to being transported by truck to the on-site ash disposal landfill, where it is dumped, graded, compacted and then covered. Bottom ash from the boilers is quenched and pumped to a settling pond. Settled ash is periodically dredged and placed in a pile to dry before reuse for road traction purposes, under a beneficial use determination (BUD.) The flyash storage silo vent is exempt under 6 NYCRR PART 201-3.2(c)(27). All other potential emissions from this unit are fugitives and there are no emission unit specific requirements.

Building(s): LNDFL1  
YARD

**Item 23.5:**

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

Emission Unit: G-00007

Emission Unit Description:

The Lime Hydrating System, for the flue gas desulfurization system. Quicklime is delivered by truck and pneumatically unloaded to a storage silo (equipped with a bin vent filter), and then transferred to the lime hydrator via belt conveyor where it is mixed with water, and then discharged through a screw feeder and transferred to the air classifier via bucket elevator. Classified hydrated material is pneumatically transferred to a storage silo equipped with a bin vent filter. This is then used as feed for the flue gas desulfurization system circulating dry scrubber (CDS.) Oversized material is recirculated to the hydrator and grit is removed and disposed of. The lime hydrator is equipped with a wet scrubber, and the air classifier has a bag house. The quicklime and hydrated lime storage silos are exempt under 6 NYCRR PART 201-3.2(c)(27).

Building(s): BOILER

**Item 23.6:**

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

Emission Unit: G-00008

Emission Unit Description:

Process operations associated with the aqueous urea system.



Building(s): BOILER

**Condition 24: Compliance Certification**  
Effective between the dates of 11/05/2007 and 11/04/2012

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

**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or oil shall submit reports to the commissioner containing fuel analysis data, 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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 25: Compliance Certification**  
Effective between the dates of 11/05/2007 and 11/04/2012

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

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99 percent

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



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Process Material: WASTE OIL  
Parameter Monitored: HEAT CONTENT  
Lower Permit Limit: 125000.0 British thermal units per  
gallon  
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL  
CHANGE  
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE AT ANY TIME  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 2/29/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 28: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 28.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 28.2:**  
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:  
The total concentration of polychlorinated biphenyls  
(PCBs) shall not exceed 50 parts per million.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: WASTE OIL  
Parameter Monitored: CONCENTRATION  
Upper Permit Limit: 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: SEMI-ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 2/29/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 29: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 29.1:**  
The Compliance Certification activity will be performed for the Facility.

**Item 29.2:**

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Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The maximum concentration of sulfur in the waste fuel shall not exceed the limit cited below.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 50 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: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 30: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 30.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 30.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 31: Availability of records for Department inspection.**  
**Effective between the dates of 11/05/2007 and 11/04/2012**



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

**Item 31.1:**

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 32: Sampling and analysis requirements.**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 32.1:**

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

**Condition 33: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:6 NYCRR 227-1.3**

**Item 33.1:**

The Compliance Certification activity will be performed for the Facility.

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

**Item 33.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall abide by the terms of consent order #CO7-20040913-4. Opacity shall be recorded, monitored and reported as per the above order, and fines shall be levied according to the stipulated provisions therein.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 34: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:40CFR 52.21, Subpart A**

**Item 34.1:**



The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE  
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 34.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall abide by the terms of consent order 05 CV 6014 CJS(P), and all subsequent modifications to the requirements therein, as approved by the Albany Division of Legal Affairs and the New York State Attorney General's office. This permit shall be modified after the final proposed Sulfur Dioxide emission rates and the final proposed NOx emission rates have been submitted by AES, and approved by the Department and by the State Attorney General. The permit modification shall incorporate these new emission limits, as well as any other operating or emission parameters or limits arising from the activities performed under the above order.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 35: Compliance Certification**

**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable Federal Requirement:40 CFR Part 64**

**Item 35.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For unit 3, CAM requirements for particulates shall be fulfilled through the continuous monitoring of opacity as an indicator of satisfactory ESP function. Opacity of less than 20%, except for one six-minute period per hour of up to 27%, shall be considered to be an acceptable



range of ESP performance. Opacity in excess of that range shall prompt corrective action, beginning with an evaluation of the opacity data, and other operational parameters such as primary and secondary ESP voltages and currents, and sparking rates. ESP problems shall be identified and resolved in a timely manner.

For unit 4, CAM requirements for particulates shall be fulfilled through the continuous monitoring of opacity as an indicator of baghouse function. An increase in opacity to a level outside of the normal, long term operating range shall prompt corrective action, beginning with an evaluation of the opacity data, and including baghouse operating parameters such as inlet/outlet temperature and pressure differential. Baghouse problems shall be identified and resolved in a timely manner. A stack test for particulates shall be performed by January 20, 2008, in accordance with approved EPA procedures in 40CFR60, Appendix A.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 2/14/2008.

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

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

**Condition 36: Emission Point Definition By Emission Unit  
Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 36.1:**

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

Emission Unit: G-00004

Emission Point: 00004

Height (ft.): 227

Diameter (in.): 156

NYTMN (km.): 4727.002 NYTME (km.): 340.321 Building: BOILER

**Item 36.2:**

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

Emission Unit: G-00007

Emission Point: 00071



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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 CEM monitoring plan.

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 37.3:**

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

Emission Unit: G-00003  
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 CEM monitoring plan.

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 37.4:**

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

Emission Unit: G-00003  
Process: P44  
Source Classification Code: 1-02-002-02

Process Description:

Burning of sub-bituminous (reduced sulfur) coal as a supplemental fuel at up to 30% by weight entering the



boiler B0004 (boiler 4.)

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 37.5:**

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 the 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 37.6:**

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

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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 CEM monitoring plan.

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 37.7:**

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 waste wood product from laminated particle board furniture manufacturing processes with coal, sub-bituminous coal and/or clean unadulterated wood at upto 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 the 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 37.8:**

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

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

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

**Item 37.9:**

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

**Item 37.10:**

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

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Facility DEC ID: 8573600004



Process Description:

Emission source B0005 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 CEM monitoring plan.

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

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

**Item 37.11:**

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 CEM monitoring plan.

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

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

**Item 37.12:**

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

Emission Unit: G-00003

Process: P54

Source Classification Code: 1-02-002-02



Process Description:

Burning of sub-bituminous coal at up to 30% by weight in emission source B0005 (boiler 5.)

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

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

**Item 37.13:**

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

**Item 37.14:**

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 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 cem monitoring plan.



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

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

**Item 37.15:**

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 laminated particle board furniture manufacturing processes with coal, sub-bituminous coal and/or clean unadulterated wood at 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 the 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: MC005 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

**Item 37.16:**

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

**Item 37.17:**

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). Nitrogen oxides emissions are controlled through the use of overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). After the emissions limits in 6NYCRR, Part 246 take effect, mercury emissions will be controlled using powdered activated carbon injection as needed to achieve such limits. Sulfur dioxide emissions are controlled using a circulating dry scrubber (CDS.) Particulate matter emissions are controlled by the use of a baghouse. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 00004. Particulate matter emissions are measured by stack testing on emission point 00004.

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

Emission Source/Control: BAG06 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control  
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control  
Control Type: DRY SPRAY ABSORPTION



**Item 37.18:**

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 B00006 uses no. 2 fuel oil as a startup fuel and for flame stabilization. It is used on an as needed basis. Particulate matter emission are controlled by the use of a baghouse. There are no specific fuel oil controls for sulfur dioxide or nitrogen oxides emissions. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 00004.

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

Emission Source/Control: BAG06 - Control  
Control Type: FABRIC FILTER

**Item 37.19:**

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. Emission source B0006 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 part 225-2. Particulate matter emissions are controlled by the use of a baghouse. When waste oil only is being fired, there are no specific emission controls for nitrogen oxides and sulfur dioxide. However, when waste oil is being burned along with baseline fuels, the nitrogen oxides and sulfur dioxide emission control systems are in use. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 00004.

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

Emission Source/Control: BAG06 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control



Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

Emission Source/Control: OFA06 - Control  
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control  
Control Type: DRY SPRAY ABSORPTION

**Item 37.20:**

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

Emission Unit: G-00004

Process: P64

Source Classification Code: 1-01-002-02

Process Description:

Emission source B0006 is permitted to fire sub-bituminous (reduced sulfur) coal as a supplemental fuel at up to 30% by weight of the total fuel entering the boiler. Nitrogen oxides emissions are controlled through the use of overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). After the emissions limits in 6NYCRR part 246 take effect, mercury emissions will be controlled using powdered activated carbon injection as needed to achieve such limits. Sulfur dioxide emissions are controlled using a circulating dry scrubber system (CDS.) Particulate matter emissions are controlled by the use of a baghouse. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 00004. Particulate matter emissions are measured by stack testing (when requested by NYSDEC) on emission point 00004.

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

Emission Source/Control: BAG06 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

Emission Source/Control: OFA06 - Control  
Control Type: OVERFIRE AIR



Emission Source/Control: SCR06 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control  
Control Type: DRY SPRAY ABSORPTION

**Item 37.21:**

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 supplement to bituminous coal (% by weight of total fuel entering the boiler otherwise unrestricted). Nitrogen oxides emissions are controlled through the use of overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). After the emissions limits in 6NYCRR part 246 take effect, mercury emissions will be controlled using powdered activated carbon injection as needed to achieve such limits. Sulfur dioxide emissions are controlled using a lime spray dry reactor system. Particulate matter emissions are controlled by the use of a baghouse. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 0004. Particulate matter emissions are measured by stack testing (when requested by NYSDEC) on emission point 0004

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

Emission Source/Control: BAG06 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control  
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control  
Control Type: DRY SPRAY ABSORPTION



**Item 37.22:**

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

Emission Unit: G-00004

Process: P69

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0006 USES DIESEL FUEL OR KEROSENE AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS NEEDED BASIS. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 00004.

Emission Source/Control: B0006 - Combustion

Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control

Control Type: FABRIC FILTER

**Item 37.23:**

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

Emission Unit: G-00004

Process: P6A

Source Classification Code: 1-01-006-04

Process Description:

Emission source B0006 is permitted to fire waste wood product from the laminated particle board furniture manufacturing process as a supplement to bituminous coal, sub-bituminous coal and/or clean unadulterated wood at up to 30% by weight of the total fuel entering the boiler. Waste wood product may not be mixed with any other alternative fuel. Nitrogen oxides emissions are controlled through the use of overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). After the emissions limits in 6NYCRR part 246 take effect, mercury emissions will be controlled using powdered activated carbon injection as needed to achieve such limits. Sulfur dioxide emissions are controlled using a circulating dry scrubber (CDS) system. Particulate matter emissions are controlled by the use of a baghouse. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 0004. Particulate matter emissions are measured by stack testing (when requested by NYSDEC) emission point 0004.



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

Emission Source/Control: BAG06 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

Emission Source/Control: OFA06 - Control  
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control  
Control Type: DRY SPRAY ABSORPTION

**Item 37.24:**

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

Emission Unit: G-00004

Process: P6B

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B00006 USES NATURAL GAS FOR A PORTION OF THE BOILER'S HEAT INPUT WHEN OPERATING IN GAS REBURN MODE. WHILE THERE IS NO SPECIFIC LIMIT ON THE AMOUNT OF NATURAL GAS THAT MAY BE BURNED, EMISSION SOURCE B00006 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

Emission Source/Control: BAG06 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION  
(SNCR)

Emission Source/Control: OFA06 - Control  
Control Type: OVERFIRE AIR



Emission Source/Control: SCR06 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control  
Control Type: DRY SPRAY ABSORPTION

**Item 37.25:**

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: BAG06 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control  
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control  
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control  
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control  
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control  
Control Type: DRY SPRAY ABSORPTION

**Item 37.26:**

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

Emission Unit: G-00005  
Process: CHS Source Classification Code: 3-99-999-99  
Process Description:

New York State Department of Environmental Conservation

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



All potential process operations associated with coal storage and handling. All emissions are fugitive.

Emission Source/Control: CPILE - Process

**Item 37.27:**

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

Emission Unit: G-00005

Process: WHS

Source Classification Code: 3-99-999-99

Process Description:

ALL POTENTIAL PROCESS OPERATIONS  
ASSOCIATED WITH WOOD STORAGE AND HANDLING.  
ALL EMISSIONS ARE FUGITIVE.

Emission Source/Control: WPILE - Process

**Item 37.28:**

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

Emission Unit: G-00006

Process: ASH

Source Classification Code: 3-99-999-99

Process Description:

All process operations associated with flyash and bottom ash handling and disposal. All non-exempt emissions are fugitive.

Emission Source/Control: FLYS1 - Process

Emission Source/Control: LNDFL - Process

**Item 37.29:**

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

Emission Unit: G-00007

Process: P7L

Source Classification Code: 3-99-999-99

Process Description:

All process operations associated with the circulating dry scrubber system.

Emission Source/Control: BAG07 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: SBR07 - Control  
Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: HYD07 - Process

Emission Source/Control: SPR07 - Process

**Item 37.30:**

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-00008

Process: P8U

Source Classification Code: 3-99-999-99

Process Description: Aqueous urea system

Emission Source/Control: P8U01 - Process

Emission Source/Control: TNK08 - Process

**Condition 38: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 38.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored with the CEM to assure compliance with the emissions limit of 5 lb/mmBTU (daily average), corresponding to a sulfur-in-fuel limit of 2.5 lb/mmBTU (daily average.)

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 5 pounds per million Btus

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 39: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003



Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 39.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored with the CEM to assure compliance with the emissions limit of 3.8 lb/mmBTU (3-month rolling average), corresponding to a sulfur-in-fuel limit of 1.9 lb/mmBTU (3-month rolling average.)

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 3.8 pounds per million Btus

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 90-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 40: Compliance Certification**

**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored with the CEM to assure compliance with the emissions limit of 3.8 lb/mmBTU (12-month rolling average), corresponding to a sulfur-in-fuel limit of 1.9 lb/mmBTU (12-month rolling average.)

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 3.8 pounds per million Btus

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

New York State Department of Environmental Conservation

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



Averaging Method: 12-month rolling average  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 2/29/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 41: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

The concentration of total halogens in the waste oil  
shall not exceed 1,000 parts per million.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 1000.00 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: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 42: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 42.2:**

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: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

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.

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 0.232 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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

**Condition 43: Compliance Certification**

**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

**Item 43.2:**

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 Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



Reports due 60 days after the reporting period.  
The initial report is due 2/29/2008.  
Subsequent reports are due every 3 calendar month(s).

**Condition 44: Multiple fuels particulate matter emission rate.**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 44.1:**

This Condition applies to Emission Unit: G-00003

**Item 44.2:**

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 45: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant(s):

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

**Item 45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx will be monitored using the continuous emissions monitoring system and the results reported pursuant to the approved Title 1 NOx RACT plan.

Reference Test Method: 40CFR 75

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 3 calendar month(s).

**Condition 46: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



**Item 46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored with the CEM to assure compliance with the emissions limit of 5 lb/mmBTU (daily average), corresponding to a sulfur-in-fuel limit of 2.5 lb/mmBTU (daily average.)

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 5 pounds per million Btus

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 2/14/2008.

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

**Condition 47: Compliance Certification**

**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

**Item 47.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The concentration of total halogens in the waste oil shall not exceed 1,000 parts per million.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 1000.00 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: SEMI-ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 2/29/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 48: Compliance Certification**  
Effective between the dates of 11/05/2007 and 11/04/2012

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

**Item 48.1:**  
The Compliance Certification activity will be performed for:

Emission Unit: G-00004

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

**Item 48.2:**  
Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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.

Parameter Monitored: HEAT INPUT  
Upper Permit Limit: 0.214 pounds per million Btus  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 2/29/2008.  
Subsequent reports are due every 6 calendar month(s).

**Condition 49: Compliance Certification**  
Effective between the dates of 11/05/2007 and 11/04/2012

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

**New York State Department of Environmental Conservation**

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



**Item 49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

**Item 49.2:**

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 Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 3 calendar month(s).

**Condition 50: Multiple fuels particulate matter emission rate.  
Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 50.1:**

This Condition applies to Emission Unit: G-00004

**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 11/05/2007 and 11/04/2012**

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

**Item 51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

New York State Department of Environmental Conservation

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



Regulated Contaminant(s):

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

**Item 51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx will be monitored using the continuous emissions monitoring system, and the results reported pursuant the approved Title 1 NOx RACT plan.

Reference Test Method: 40CFR 75

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 3 calendar month(s).

**Condition 52: Compliance Certification**

**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Emission Point: 00004

Regulated Contaminant(s):

CAS No: 007446-09-5 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 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).

Manufacturer Name/Model Number: Monitor Labs 8850, Milton Roy 3300

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 3.8 pounds per million Btus

Reference Test Method: 40CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 90-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.



Subsequent reports are due every 3 calendar month(s).

**Condition 53: Compliance Certification**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: G-00004 Emission Point: 00004

Regulated Contaminant(s):  
CAS No: 007446-09-5 SULFUR DIOXIDE

**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 is 3.8 lb/mmbtu (12-month rolling avg.), corresponding to sulfur-in-fuel limit of 1.9 lb/mmbtu (12-month rolling avg.)

Manufacturer Name/Model Number: Monitor Labs 8850, Milton Roy 3300

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 3.8 pounds per million Btus

Reference Test Method: 40CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-month rolling average

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 3 calendar month(s).



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

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

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

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

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

**STATE ONLY APPLICABLE REQUIREMENTS**  
**The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.**

**Condition 54: Contaminant List**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable State Requirement:ECL 19-0301**

**Item 54.1:**  
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE



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

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

**Condition 55: Unavoidable noncompliance and violations**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

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

**Item 55.1:**

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 issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. 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. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(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.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 56: Air pollution prohibited**  
**Effective between the dates of 11/05/2007 and 11/04/2012**

**Applicable State Requirement:6 NYCRR 211.2**

**Item 56.1:**

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.

