



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-0122-00044/00014
Effective Date: 03/07/2002 Expiration Date: 03/07/2007

Permit Issued To: PSEG POWER NEW YORK LLC
RTE 144
GLENMONT, NY 12077

Facility: BETHLEHEM ENERGY CENTER
380 RIVER RD
GLENMONT, NY 12077

Contact: WILLIAM S CLANCY
BETHLEHEM ENERGY CENTER
380 RIVER RD
GLENMONT, NY 12077
(518) 436-5027

Description:

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: MICHAEL T HIGGINS
DIVISION OF ENVIRONMENTAL PERMITS
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014

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 and Modifications
- Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

- Submission of Applications for Permit Modification or Renewal
- REGION 4 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 and Modifications

Applicable State Requirement: 6 NYCRR 621.13 (a)

Item 3.1:

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

Item 3.2:

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

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

Applicable State Requirement: 6 NYCRR 621.14

**** 4.1. ****



The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

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

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

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS

Applicable State Requirement: 6 NYCRR 621.5 (a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1150 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: PSEG POWER NEW YORK LLC
RTE 144
GLENMONT, NY 12077

Facility: BETHLEHEM ENERGY CENTER
380 RIVER RD
GLENMONT, NY 12077

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES
4930 - COMBINATION ELECTRIC, GAS, AND OTHER UTILITY SERVICES

Permit Effective Date: 03/07/2002

Permit Expiration Date: 03/07/2007

SAPA Extended Begin Date: 03/08/2007



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.5: Sealing
- 2 6 NYCRR 200.6: Acceptable ambient air quality
- 3 6 NYCRR 200.7: Maintenance of equipment
- 4 6 NYCRR 201-1.2: Unpermitted Emission Sources
- 5 6 NYCRR 201-1.5: Emergency Defense
- 6 6 NYCRR 201-1.7: Recycling and Salvage
- 7 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 8 6 NYCRR 201-1.10 (b): Public Access to Recordkeeping for Title V facilities
- 9 6 NYCRR 201-3.2 (a): Proof of Eligibility
- 10 6 NYCRR 201-3.3 (a): Proof of Eligibility
- 11 6 NYCRR Subpart 201-6: Applicable Criteria, Limits, Terms, Conditions and Standards
- 12 6 NYCRR Subpart 201-6: Cessation or Reduction of Permitted Activity Not a Defense
- 13 6 NYCRR Subpart 201-6: Compliance Requirements
- 14 6 NYCRR Subpart 201-6: Federally-Enforceable Requirements
- 15 6 NYCRR Subpart 201-6: Fees
- 16 6 NYCRR Subpart 201-6: Monitoring, Related Recordkeeping and Reporting Requirements
- 17 6 NYCRR Subpart 201-6: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
- 18 6 NYCRR Subpart 201-6: Permit Shield
- 19 6 NYCRR Subpart 201-6: Property Rights
- 20 6 NYCRR Subpart 201-6: Reopening for Cause
- 21 6 NYCRR Subpart 201-6: Right to Inspect
- 22 6 NYCRR Subpart 201-6: Severability
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 25 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 24 6 NYCRR 201-6.5 (e): Compliance Certification
- 26 6 NYCRR 201-6.5 (g): Permit Exclusion Provisions
- 27 6 NYCRR 202-1.1: Required emissions tests
- 28 6 NYCRR 202-2.1: Compliance Certification
- 29 6 NYCRR 202-2.5: Recordkeeping requirements
- 30 6 NYCRR 211.3: Visible emissions limited.
- 31 6 NYCRR 211.3: Compliance Certification
- 32 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 33 6 NYCRR 225-1.5 (a): Alternative sulfur dioxide standard.
- 34 6 NYCRR 225-1.5 (c): General variance for sulfur dioxide reduction experiments.
- 35 6 NYCRR 225-1.6 (b): Compliance.
- 36 6 NYCRR 225-1.7 (c): Compliance Certification
- 37 6 NYCRR 225-1.8 (a): Compliance Certification



- 38 6 NYCRR 225-1.8 (d): Sampling, compositing, and analysis of fuel samples
 - 39 6 NYCRR 225-2.3 (b): Compliance Certification
 - 40 6 NYCRR 225-2.4 (b): Compliance Certification
 - 41 6 NYCRR 225-2.7 (e): Compliance Certification
 - 42 6 NYCRR 225-2.7 (e): Compliance Certification
 - 43 6 NYCRR 225-2.7 (e): Compliance Certification
 - 44 6 NYCRR 225-2.7 (e): Compliance Certification
 - 45 6 NYCRR 225-2.7 (e): Compliance Certification
 - 46 6 NYCRR 227-3.12: Authorized Account Representatives (AARs)
 - 47 6 NYCRR 227-3.16: Compliance Certification
 - 48 6 NYCRR 227-3.17: Compliance Certification
 - 49 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.
 - 50 40CFR 60.7(a), NSPS Subpart A: Date of Construction Notification -
if a COM is used
 - 51 40CFR 75.10(a), Subpart B: Compliance Certification
 - 52 40CFR 75.10(b), Subpart B: Compliance Certification
 - 53 40CFR 75.10(c), Subpart B: Compliance Certification
 - 54 40CFR 75.10(d), Subpart B: Compliance Certification
 - 55 40CFR 75.10(f), Subpart B: Compliance Certification
 - 56 40CFR 82, Subpart F: Recycling and Emissions Reduction
- Emission Unit Level**
- 57 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 58 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=U-00001

- 59 6 NYCRR 227-1.3: Compliance Certification
- 60 6 NYCRR 227-2.4 (a) (1): Compliance Certification
- 61 6 NYCRR 227-2.6 (a) (1): Testing, monitoring, and reporting
requirements for very large boilers.
- 62 6 NYCRR 227-3.13: Compliance Certification
- 63 6 NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with
shakedown period)
- 64 6 NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with
shakedown period)
- 65 40CFR 72.6(a)(2), Subpart A: This condition states if the facility
is subject to Title IV.

EU=U-00001,Proc=P11

- 66 6 NYCRR 225-1.2 (d): Compliance Certification
- 67 6 NYCRR 225-1.6 (b): Compliance Certification
- 68 6 NYCRR 225-1.7 (b): Compliance Certification
- 69 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00001,Proc=P13

- 70 6 NYCRR 225-1.2 (d): Compliance Certification
- 71 6 NYCRR 225-1.7 (b): Compliance Certification
- 72 6 NYCRR 225-2.3 (b) (1): Compliance Certification
- 73 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00001,EP=00001

- 74 6 NYCRR 227-1.4 (b): Compliance Certification



EU=U-00002

- 75 6 NYCRR 227-1.3: Compliance Certification
- 76 6 NYCRR 227-2.4 (a) (1): Compliance Certification
- 77 6 NYCRR 227-2.6 (a) (1): Testing, monitoring, and reporting requirements for very large boilers.
- 78 6 NYCRR 227-3.13: Compliance Certification
- 79 6 NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with shakedown period)
- 80 6 NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with shakedown period)
- 81 40CFR 72.6(a)(2), Subpart A: This condition states if the facility is subject to Title IV.

EU=U-00002,Proc=P21

- 82 6 NYCRR 225-1.2 (d): Compliance Certification
- 83 6 NYCRR 225-1.6 (b): Compliance Certification
- 84 6 NYCRR 225-1.7 (b): Compliance Certification
- 85 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00002,Proc=P23

- 86 6 NYCRR 225-1.2 (d): Compliance Certification
- 87 6 NYCRR 225-1.7 (b): Compliance Certification
- 88 6 NYCRR 225-2.3 (b) (1): Compliance Certification
- 89 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00002,EP=00002

- 90 6 NYCRR 227-1.4 (b): Compliance Certification

EU=U-00003

- 91 6 NYCRR 227-1.3: Compliance Certification
- 92 6 NYCRR 227-2.4 (a) (1): Compliance Certification
- 93 6 NYCRR 227-2.6 (a) (1): Testing, monitoring, and reporting requirements for very large boilers.
- 94 6 NYCRR 227-3.13: Compliance Certification
- 95 6 NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with shakedown period)
- 96 6 NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with shakedown period)
- 97 40CFR 72.6(a)(2), Subpart A: This condition states if the facility is subject to Title IV.

EU=U-00003,Proc=P31

- 98 6 NYCRR 225-1.2 (d): Compliance Certification
- 99 6 NYCRR 225-1.6 (b): Compliance Certification
- 100 6 NYCRR 225-1.7 (b): Compliance Certification
- 101 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00003,Proc=P33

- 102 6 NYCRR 225-1.2 (d): Compliance Certification
- 103 6 NYCRR 225-1.7 (b): Compliance Certification



- 104 6 NYCRR 225-2.3 (b) (1): Compliance Certification
- 105 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00003,EP=00003

- 106 6 NYCRR 227-1.4 (b): Compliance Certification

EU=U-00004

- 107 6 NYCRR 227-1.3: Compliance Certification
- 108 6 NYCRR 227-2.4 (a) (1): Compliance Certification
- 109 6 NYCRR 227-2.6 (a) (1): Testing, monitoring, and reporting requirements for very large boilers.
- 110 6 NYCRR 227-3.13: Compliance Certification
- 111 6 NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with shakedown period)
- 112 6 NYCRR 231-2.6: Future reduction by Emission Unit Shutdown (with shakedown period)
- 113 40CFR 72.6(a)(2), Subpart A: This condition states if the facility is subject to Title IV.

EU=U-00004,Proc=P41

- 114 6 NYCRR 225-1.2 (d): Compliance Certification
- 115 6 NYCRR 225-1.6 (b): Compliance Certification
- 116 6 NYCRR 225-1.7 (b): Compliance Certification
- 117 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00004,Proc=P43

- 118 6 NYCRR 225-1.2 (d): Compliance Certification
- 119 6 NYCRR 225-1.7 (b): Compliance Certification
- 120 6 NYCRR 225-2.3 (b) (1): Compliance Certification
- 121 6 NYCRR 227-1.2 (a) (1): Compliance Certification

EU=U-00004,EP=00004

- 122 6 NYCRR 227-1.4 (b): Compliance Certification

EU=U-00005

- 123 6 NYCRR 227-2.4 (c) (2): Compliance Certification
- 124 6 NYCRR 227-2.4 (c) (2): Compliance Certification
- 125 40CFR 60, NSPS Subpart A: Applicability of General Provisions of 40 CFR 60 Subpart A
- 126 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 127 40CFR 60.7(c), NSPS Subpart A: Excess emissions report.
- 128 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 129 40CFR 60.8(a), NSPS Subpart A: Performance testing timeline.
- 130 40CFR 60.8(b), NSPS Subpart A: Performance test methods.
- 131 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 132 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 133 40CFR 60.8(e), NSPS Subpart A: Performance testing facilities.
- 134 40CFR 60.8(f), NSPS Subpart A: Number of required tests.
- 135 40CFR 60.9, NSPS Subpart A: Availability of information.
- 136 40CFR 60.11, NSPS Subpart A: Opacity standard compliance testing.



- 137 40CFR 60.12, NSPS Subpart A: Circumvention.
- 138 40CFR 60.14, NSPS Subpart A: Modifications.
- 139 40CFR 60.15, NSPS Subpart A: Reconstruction.
- 140 40CFR 60.40c, NSPS Subpart Dc: Applicability of this Subpart to this emission source
- 141 40CFR 60.48c(g), NSPS Subpart Dc: Compliance Certification
- 142 40CFR 60.48c(i), NSPS Subpart Dc: Duration of records maintained.

EU=U-00005,Proc=P51

- 143 40CFR 60.13, NSPS Subpart A: Monitoring requirements.

EU=U-00005,EP=00005

- 144 6 NYCRR 227-1.3 (a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 145 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 146 6 NYCRR Subpart 201-5: General Provisions
- 147 6 NYCRR Subpart 201-5: Permit Exclusion Provisions
- 148 6 NYCRR 201-5.3 (b): Contaminant List
- 149 6 NYCRR 211.2: Air pollution prohibited

Emission Unit Level

EU=U-00001

- 150 6 NYCRR 227-1.4 (a): Compliance Demonstration

EU=U-00002

- 151 6 NYCRR 227-1.4 (a): Compliance Demonstration

EU=U-00003

- 152 6 NYCRR 227-1.4 (a): Compliance Demonstration

EU=U-00004

- 153 6 NYCRR 227-1.4 (a): Compliance Demonstration



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

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

Condition 1: Sealing
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 200.5

Item 1.1:

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

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

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

Condition 2: Acceptable ambient air quality
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 200.6

Item 2.1:

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

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 3: Maintenance of equipment
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 200.7

Item 3.1:

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

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

Condition 4: Unpermitted Emission Sources
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.2

Item 4.1:

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

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Condition 5: Emergency Defense
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.5

Item 5.1:

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

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



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

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

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

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

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

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

**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 6: Recycling and Salvage
Effective between the dates of 03/07/2002 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 6.1:

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

**Condition 7: Prohibition of Reintroduction of Collected Contaminants to the Air
Effective between the dates of 03/07/2002 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 7.1:

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.

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

Condition 8: Public Access to Recordkeeping for Title V facilities
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 8.1:

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

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 9: Proof of Eligibility
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 9.1:

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

Condition 10: Proof of Eligibility
Effective between the dates of 03/07/2002 and Permit Expiration Date

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



Item 10.1:

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

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

Condition 11: Applicable Criteria, Limits, Terms, Conditions and Standards

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 11.1:

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

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

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

Item 11.2:

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

Condition 12: Cessation or Reduction of Permitted Activity Not a Defense

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 12.1:

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



Condition 13: Compliance Requirements
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 13.1:

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

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

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

Item 13.2:

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

Item 13.3:

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

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

Condition 14: Federally-Enforceable Requirements
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 14.1:

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the

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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.

Condition 15: Fees
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 15.1:

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

Condition 16: Monitoring, Related Recordkeeping and Reporting Requirements
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 16.1:

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

Condition 17: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 17.1:

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

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

Condition 18: Permit Shield
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6



Item 18.1:

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

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

Condition 19: Property Rights

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 19.1:

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

Condition 20: Reopening for Cause

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 20.1:

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

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

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

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

Item 20.2:

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

Item 20.3:

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

Condition 21: Right to Inspect

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 22: Severability

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

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.

Condition 23: Emission Unit Definition

Effective between the dates of 03/07/2002 and Permit Expiration Date



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: U-00001

Emission Unit Description:

EMISSION UNIT U00001 IS A 100 MW STEAM GENERATOR CAPABLE OF FIRING OIL OR GAS. EMISSION UNIT 1 CONSISTS OF EMISSION POINT 00001 (THE STACK), EMISSION SOURCE S0001 (THE BOILER), AND EMISSION SOURCE S001C (THE MULTIPLE CYCLONE DEVICE).

Building(s): 1

Item 23.2:

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

Emission Unit: U-00002

Emission Unit Description:

EMISSION UNIT U00002 IS A 100 MW STEAM GENERATOR CAPABLE OF FIRING OIL OR GAS. EMISSION UNIT 2 CONSISTS OF EMISSION POINT 00002 (THE STACK), EMISSION SOURCE S0002 (THE BOILER), AND EMISSION SOURCE S002C (THE MULTIPLE CYCLONE DEVICE).

Building(s): 1

Item 23.3:

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

Emission Unit: U-00003

Emission Unit Description:

EMISSION UNIT U00003 IS A 100 MW STEAM GENERATOR CAPABLE OF FIRING OIL OR GAS. EMISSION UNIT 3 CONSISTS OF EMISSION POINT 00003 (THE STACK), EMISSION SOURCE S0003 (THE BOILER), AND EMISSION SOURCE S003C (THE MULTIPLE CYCLONE DEVICE).

Building(s): 1

Item 23.4:

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

Emission Unit: U-00004

Emission Unit Description:

EMISSION UNIT U00004 IS A 100 MW STEAM GENERATOR CAPABLE OF FIRING OIL OR GAS. EMISSION UNIT 4 CONSISTS OF EMISSION POINT 00004 (THE STACK), EMISSION SOURCE S0004 (THE BOILER), AND EMISSION SOURCE S004C (THE MULTIPLE CYCLONE DEVICE).



Building(s): 1

Item 23.5:

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

Emission Unit: U-00005

Emission Unit Description:

Unit 00005 is a package boiler with a maximum natural gas fuel flow of 63,300 SCFM and a maximum heat input of 64,883 mmBTU/Hr (assuming a heat content of 1025 mmBTU/CF).

**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 25: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

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

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: 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 30 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 or a toxic 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 any of the above conditions are met, the source must notify the permitting authority by telephone or facsimile based on the timetable listed in paragraphs (1) through (4) of this section. 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 the occurrence. All deviations reported under paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. 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.



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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 24: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

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:

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, 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.

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 Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

1150 North Westcott Road
Schenectady, NY 12306-2014



The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
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 1/30/2003.
Subsequent reports are due on the same day each year

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

Condition 26: Permit Exclusion Provisions
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 26.1:

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR), and particularly any such enforcement action as may be authorized pursuant to 6 NYCRR 201-1.2 and 6 NYCRR 201-6.5(g).

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

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

The issuance of this permit by the Department and the receipt thereof by the Applicant does not



and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to pursue any claims for natural resource damages against the Applicant.

**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 27: Required emissions tests
Effective between the dates of 03/07/2002 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 27.1:

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

**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 28: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR 202-2.1

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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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



year.

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

Condition 29: Recordkeeping requirements
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 29.1:

(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.

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 30: Visible emissions limited.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 211.3

Item 30.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 31: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 211.3

Item 31.1:

The Compliance Certification activity will be performed for the Facility.



Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as permitted by a specific part of Title 6 of the NYCRR, 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.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - weather condition
 - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a



distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**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 32: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 03/07/2002 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR Part 215

Item 32.1:

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

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

**Condition 33: Alternative sulfur dioxide standard.
Effective between the dates of 03/07/2002 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR 225-1.5 (a)

Item 33.1:

Fuels with a sulfur content greater than that allowed by 6 NYCRR Part 225-1 may be used when the source owner can demonstrate that sulfur dioxide emissions do not exceed the value for S calculated by the following equation:



$$S = (1.1AM + 2BT)/(M + T)$$

Where: S = Sulfur dioxide emission limit in lbs/mmBtu.

A = Sulfur in oil allowed by Table 1 or Table 2 (or Table 3 as applicable) of section 6 NYCRR Part 225-1.2 (in percent by weight)

B = Average sulfur in solid fuel allowed by Table 1 or Table 2 (or Table 3 as applicable) (in lbs sulfur per million BTU gross heat content)

M = Percent of total heat input from oil.

T = Percent of total heat input from solid fuel including coal, coke, wood, wood waste, and refuse derived fuel.

This general variance for fuel mixtures only applies to processes or stationary combustion installations. Compliance will be based on the total heat input from all fuels burned, including gaseous fuels. Any source owner who chooses to burn a fuel mixture pursuant to this subdivision is subject to the emission and fuel monitoring requirements of 6 NYCRR Part 225-1.7.

Condition 34: General variance for sulfur dioxide reduction experiments.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.5 (c)

Item 34.1:

The commissioner may allow the purchase, sale, or use of higher than standard sulfur fuel for use in experimental equipment for reducing sulfur dioxide emissions.

Condition 35: Compliance.
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 35.1:

As of January 1, 1988 any person who buys, sells, offer for sale, or uses fuel must comply with the percent sulfur requirements specified in section 6 NYCRR 225-1.2 of this regulation.

Condition 36: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.7 (c)

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

Part 225-1.7(c) requires that measurements must be made daily of the rate of each fuel burned. Also, the facility must measure the gross heat content and ash content of each fuel burned (determined at least once per week), and the average electrical output (daily) and hourly generation rate. This information must be retained by the source owner for a period of three years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 37: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.8 (a)

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee shall retain fuel oil supplier certifications for each shipment of oil received. Such certifications shall contain, as a minimum: supplier name, date of shipment, quantity shipped, heating value of the oil, oil sulfur content, and the method used to determine the sulfur content. Such certifications shall be available for inspection by, or submittal to, NYSDEC upon request.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 38: Sampling, compositing, and analysis of fuel samples
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.8 (d)

Item 38.1:

All sampling, compositing, and analysis of fuel samples, taken to determine compliance with 6 NYCRR Part 225-1, must be done in accordance with methods acceptable to the commissioner.

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Permit ID: 4-0122-00044/00014

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Condition 39: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 39.1:

The Compliance Certification activity will be performed for the Facility.

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Waste fuel A generated on-site may be burned. Waste fuel A firing is limited to 20,000 gal/yr.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: WASTE OIL

Upper Permit Limit: 20,000. gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 40: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 40.1:

The Compliance Certification activity will be performed for the Facility.

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITEE WILL DEMONSTRATE COMPLIANCE WITH THE CONSTITUENT CONCENTRATION LIMITS OF WASTE FUEL A CITED IN THIS REGULATION THROUGH PERIODIC FUEL SAMPLING. THE CONSTITUENT LIMITS AND TEST METHODS ARE REFERENCED IN 6 NYCRR 225-2.7(E).

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 41.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

WASTE FUEL A SAMPLES WILL BE TESTED FOR PCB USING METHOD LISTED BELOW (OR EQUIV). THE PERMITEE WILL TAKE ONE GRAB SAMPLE AS NECESSARY TO ANALYZE FOR WASTE A CONSTITUENTS PRIOR TO COMBUSTION. THESE LIMITS ARE OBTAINED FROM 6 NYCRR 225-2.4(B).

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: OTHER LIQUID FUELS

Upper Permit Limit: 50.0 parts per million by weight

Reference Test Method: EPA-8080 OR OTHER

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 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 42: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

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

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

WASTE FUEL A SAMPLES WILL BE TESTED FOR SULFUR USING METHOD LISTED BELOW (OR EQUIV). THE PERMITEE WILL TAKE ONE GRAB SAMPLE AS NECESSARY TO ANALYZE FOR WASTE A SULFUR CONTENT PRIOR TO COMBUSTION. THESE LIMITS ARE OBTAINED FROM 6 NYCRR 225-2.4(B).

Reference Test Method: D-2622

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 43: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 43.1:

The Compliance Certification activity will be performed for the Facility.

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

WASTE FUEL A SAMPLES WILL BE TESTED FOR TOTAL HEAT VALUE USING METHOD LISTED BELOW (OR EQUIV). THE PERMITEE WILL TAKE ONE GRAB SAMPLE AS NECESSARY TO ANALYZE FOR WASTE A CONSTITUENTS PRIOR TO COMBUSTION. THESE LIMITS ARE OBTAINED FROM 6 NYCRR 225-2.4(B).

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: OTHER LIQUID FUELS

Lower Permit Limit: 125000 British thermal units per gallon

Reference Test Method: ASTM D-240 OR OTHER

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 44: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007439-92-1 LEAD

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

WASTE FUEL A SAMPLES WILL BE TESTED FOR LEAD USING METHOD LISTED BELOW (OR EQUIV). THE PERMITEE WILL TAKE ONE GRAB SAMPLE AS NECESSARY TO ANALYZE FOR WASTE A CONSTITUENTS PRIOR TO COMBUSTION. THESE LIMITS ARE OBTAINED FROM 6 NYCRR 225-2.4(B).

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: OTHER LIQUID FUELS

Upper Permit Limit: 250.0 parts per million by weight

Reference Test Method: EPA-6010 OR OTHER

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 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 45: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Item 45.2:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

WASTE FUEL A SAMPLES WILL BE TESTED FOR TOTAL HALOGENS USING METHOD LISTED BELOW (OR EQUIV). THE PERMITEE WILL TAKE ONE GRAB SAMPLE AS NECESSARY TO ANALYZE FOR WASTE A CONSTITUENTS PRIOR TO COMBUSTION. THESE LIMITS ARE OBTAINED FROM 6 NYCRR 225-2.4(B).

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: OTHER LIQUID FUELS

Upper Permit Limit: 1000.0 parts per million by weight

Reference Test Method: EPA-9075 OR OTHER

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: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 46: Authorized Account Representatives (AARs)
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-3.12

Item 46.1: Each budget source must designate an AAR, and may designate an alternate AAR, for each compliance account and compliance overdraft account.

Condition 47: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-3.16

Item 47.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Each year during the period extending from November 1 through the allowance transfer deadline, December 31,



this budget source may request the Administrator to deduct a number of allowances from the budget source's compliance account equal to the current year control period NO_x emissions from the budget source. The request must include identification of the compliance account from which the deductions should be made. The request may include the serial numbers of the particular allowances to be deducted. If no serial numbers are included, the Administrator will first deduct allowances allocated for the current year control period. If the Administrator exhausts all allowances allocated for the current year control period, the Administrator will next deduct banked allowances in the compliance account in the order in which they were deposited. The request may only involve allowances placed in the budget source's compliance account; allowances in a compliance overdraft account or general account may not be deducted pursuant to the request.

(b) If, by November 1 of the current year, the total number of allowances in the budget source's compliance account and compliance overdraft account, including allowance transfer requests properly submitted to the Administrator, is less than the current year control period NO_x emissions from the budget source, the budget source must obtain additional allowances by the allowance transfer deadline so that the total number of allowances in the compliance account and compliance overdraft account, including allowance transfer requests properly submitted to the Administrator by the allowance transfer deadline, at least equals the current year control period NO_x emissions rounded to the nearest whole ton. The Administrator will not consider for compliance purposes allowances contained in any general account held by the owner and/or operator of the budget source.

(c) If, by the allowance transfer deadline, this budget source either makes no allowance deduction request or makes a request that is insufficient to meet the requirements of Subdivision 227-3.16(a), the Administrator will deduct a number of allowances from the budget source's compliance account and compliance overdraft account that equals the current year control period NO_x emissions from the budget source. Under this Subdivision, the Administrator will deduct allowances in the following order:

- (1) Current year allowances from the compliance account in the order in which they were deposited.
- (2) Banked allowances in the compliance account in the order in which they were deposited.
- (3) Current year allowances from the compliance overdraft account in the order in which they were deposited.



(4) Banked allowances from the compliance overdraft account in the order in which they were deposited.

(d) Any banked allowances deducted pursuant to this Section shall be deducted in accordance with the provisions of Section 227-3.9.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 48: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-3.17

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

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

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) By December 31 of each year, this budget source must submit a compliance certification to the Department relating to the budget source's activities during the current year.

(b) The compliance certification shall contain, at a minimum:

(1) identification of the budget source, including address of the budget source, name and address of the owner and/or operator, account numbers of the relevant compliance account and compliance overdraft account and the name of the AAR;

(2) a statement indicating whether NO_x emissions data have been reported to the NETS in accordance with the procedures set forth in Section 227-3.15 and any additional procedures established by the Administrator;

(3) a statement indicating whether the budget source has a number of allowances in its compliance account or compliance overdraft account equal to or greater than the budget source's NO_x emissions for the current year control period;

(4) a statement indicating whether the monitoring data reflected the actual operation of the budget source;

(5) a statement indicating whether all NO_x emissions from



the budget source were accounted for, either through the relevant monitoring or application of the appropriate missing data procedures; and
(6) a statement indicating whether there were any changes in the method of operation of the budget source or the method of monitoring the budget source during the current year.

(c) The Department may verify compliance by whatever means necessary, including, but not limited to, the following:

- (1) inspection of budget source operating records;
- (2) examining information contained in the NATS (NOx Allowance Tracking System) regarding allowance deductions and transfers for the budget source;
- (3) examining information contained in the NETS (NOx Emission Tracking System) regarding NOx emissions from the budget source;
- (4) testing emission monitoring devices; and,
- (5) testing conducted pursuant to 6 NYCRR Part 202.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 49: EPA Region 2 address.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 49.1:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Enforcement and Compliance Assurance
625 Broadway
Albany, NY 12233-3258

Condition 50: Date of Construction Notification - if a COM is used
Effective between the dates of 03/07/2002 and Permit Expiration Date

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



Item 50.1:

Any owner or operator subject to this part shall furnish the Administrator with the following information:

- 1) a notification of the date construction or reconstruction commenced, post marked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, post marked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under this part. The notice shall be post marked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, post marked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, post marked not less than 30 days prior to such date, if a continuous opacity monitor is not being used at the facility; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, post marked not less than 30 days prior to the performance test.

Condition 51: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 75.10(a), Subpart B

Item 51.1:

The Compliance Certification activity will be performed for the Facility.

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall measure opacity and all SO₂, NO_x, and CO₂ emissions for each affected unit as follows:

- (1) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of this part, a SO₂ CEMS and a flow monitoring system with the automated data acquisition and handling system for measuring and recording SO₂ concentration (in ppm), volumetric gas flow (in scfh), and SO₂ mass emissions (in lb/hr) discharged to the



atmosphere, except as provided in §§75.11 and 75.16 and subpart E of this part;

(2) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of this part, a NOX CEMS (consisting of a NOX pollutant concentration monitor and an O₂ or CO₂ diluent gas monitor) with the automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O₂ or CO₂ concentration (in percent O₂ or CO₂) and NOX emission rate (in lb/mmBtu) discharged to the atmosphere. The owner or operator shall account for total NOX emissions, both NO and NO₂, either by monitoring for both NO and NO₂ or by monitoring for NO only and adjusting the emissions data to account for NO₂;

(3) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of this part, a CO₂ CEMS and a flow monitoring system with the automated data acquisition and handling system for measuring and recording CO₂ concentration (in ppm or percent), volumetric gas flow (in scfh), and CO₂ mass emissions (in tons/hr) discharged to the atmosphere;

(4) The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements in this part, a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 75.10(b), Subpart B

Item 52.1:
The Compliance Certification activity will be performed for the Facility.

Item 52.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Primary Equipment Performance Requirements. The owner or operator shall ensure that each CEMS required by this part



meets the equipment, installation, and performance specifications in Appendix A to this part; and is maintained according to the quality assurance and quality control procedures in Appendix B to this part; and shall record SO₂ and NO_x emissions in the appropriate units of measurement (i.e., lb/hr for SO₂ and lb/mmBtu for NO_x).

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 53: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 75.10(c), Subpart B

Item 53.1:

The Compliance Certification activity will be performed for the Facility.

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Heat Input Measurement Requirement. The owner or operator shall determine and record the heat input to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in Appendix F to this part.

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 54: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 75.10(d), Subpart B

Item 54.1:

The Compliance Certification activity will be performed for the Facility.

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Primary equipment hourly operating requirements. The



owner or operator shall ensure that all continuous emission and opacity monitoring systems required by this part are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in §75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to §75.21 and appendix B of this part, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to §75.20. The owner or operator shall also ensure, subject to the exceptions above in this paragraph, that all continuous opacity monitoring systems required by this part are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal, State, or local regulation, or permit. The owner or operator shall ensure that the following requirements are met:

(1) The owner or operator shall ensure that each CEMS and component thereof is capable of completing a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-min interval. The owner or operator shall reduce all SO₂ concentrations, volumetric flow, SO₂ mass emissions, SO₂ emission rate in lb/mmBtu (if applicable), CO₂ concentration, O₂ concentration, CO₂ mass emissions (if applicable), NO_x concentration, and NO_x emission rate data collected by the monitors to hourly averages. Hourly averages shall be computed using at least one data point in each fifteen minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour) if data are unavailable as a result of the performance of calibration, quality assurance, or preventive maintenance activities pursuant to §75.21 and appendix B of this part, backups of data from the data acquisition and handling system, or recertification, pursuant to §75.20. The owner or operator shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour.

(2) The owner or operator shall ensure that each continuous opacity monitoring system is capable of completing a minimum of one cycle of sampling and analyzing for each successive 10-sec period and one cycle of data recording for each successive 6-min period. The owner or operator shall reduce all opacity data to 6-min



averages calculated in accordance with the provisions of part 51, appendix M of this chapter, except where the applicable State implementation plan or operating permit requires a different averaging period, in which case the State requirement shall satisfy this Acid Rain Program requirement.

(3) Failure of an SO₂, CO₂ or O₂ pollutant concentration monitor, flow monitor, or NOX CEMS, to acquire the minimum number of data points for calculation of an hourly average in paragraph (d)(1) of this section, shall result in the failure to obtain a valid hour of data and the loss of such component data for the entire hour. An hourly average NOX or SO₂ emission rate in lb/mmBtu is valid only if the minimum number of data points are acquired by both the pollutant concentration monitor (NOX or SO₂) and the diluent monitor (CO₂ or O₂). Except for SO₂ emission rate data in lb/mmBtu, if a valid hour of data is not obtained, the owner or operator shall estimate and record emission or flow data for the missing hour by means of the automated data acquisition and handling system, in accordance with the applicable procedure for missing data substitution in subpart D of this part.

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 55: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 75.10(f), Subpart B

Item 55.1:

The Compliance Certification activity will be performed for the Facility.

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Minimum measurement capability requirement. The owner or operator shall ensure that each CEMS and component thereof is capable of accurately measuring, recording, and reporting data, and shall not incur a full scale exceedance, except as provided in sections 2.1.1.4, 2.1.2.4, and 2.1.4 of appendix A of this part.



Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

**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 56: Recycling and Emissions Reduction
Effective between the dates of 03/07/2002 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 82, Subpart F

Item 56.1:

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

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

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



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

Condition 57: Emission Point Definition By Emission Unit
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 57.1:

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

Emission Unit: U-00001

Emission Point: 00001

Height (ft.): 336

Diameter (in.): 156

NYTMN (km.): 4716.587 NYTME (km.): 601.441 Building: 1

Item 57.2:

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

Emission Unit: U-00002

Emission Point: 00002

Height (ft.): 336

Diameter (in.): 156

NYTMN (km.): 4716.566 NYTME (km.): 601.446 Building: 1

Item 57.3:

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

Emission Unit: U-00003

Emission Point: 00003

Height (ft.): 336

Diameter (in.): 156

NYTMN (km.): 4716.547 NYTME (km.): 601.449 Building: 1

Item 57.4:

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

Emission Unit: U-00004

Emission Point: 00004

Height (ft.): 336

Diameter (in.): 156

NYTMN (km.): 4716.528 NYTME (km.): 601.454 Building: 1

Item 57.5:

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

Emission Unit: U-00005

Emission Point: 00005



Height (ft.): 185 Diameter (in.): 42
NYTMN (km.): 4716.524 NYTME (km.): 601.433 Building: 1

Condition 58: Process Definition By Emission Unit
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 58.1:

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

Emission Unit: U-00001
Process: P11 Source Classification Code: 1-01-004-04
Process Description:

PROCESS IDENTIFICATION NUMBER P11
DESIGNATES RESIDUAL OIL FIRING IN BOILER 1.
DEC REGULATIONS LIMIT THE SULFUR CONTENT OF
THE FUEL TO 1.5% BY WEIGHT. THIS PROCESS
ALLOWS CO-FIRING NATURAL GAS. PSEG IS ALSO
CURRENTLY ALLOWED TO EVAPORATE SPENT BOILER
CLEANING SOLUTION IN THIS BOILER. BOILER 1
MAY BURN OTHER TYPES OF FUEL IF THE FUELS
DO NOT CHANGE OR VIOLATE APPLICABLE
REQUIREMENTS OF THIS PROCESS. THE FUELS
MUST ALSO NOT IMPOSE NEW REQUIREMENTS TO
THIS PROCESS. FUEL CONSUMPTION ESTIMATES
ARE PROVIDED, AS NEEDED, IN THE CALCULATION
SECTION OF SUPPORTING DOCUMENTATION.

Emission Source/Control: S0001 - Combustion
Design Capacity: 1,100 million Btu per hour

Emission Source/Control: S001C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 58.2:

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

Emission Unit: U-00001
Process: P12 Source Classification Code: 1-01-006-04
Process Description:

PROCESS IDENTIFICATION NUMBER P12
DESIGNATES NATURAL GAS FIRING IN BOILER 1.
HOURLY AND ANNUAL FUEL CONSUMPTION DATA ARE
PROVIDED, AS NEEDED, IN THE EMISSION
CALCULATION SECTION OF SUPPORTING
DOCUMENTATION.

Emission Source/Control: S0001 - Combustion
Design Capacity: 1,100 million Btu per hour

Item 58.3:



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

Emission Unit: U-00001
Process: P13 Source Classification Code: 1-01-004-04
Process Description:
PROCESS IDENTIFICATION NUMBER P13
DESIGNATES THE CO-FIRING OF WASTE FUEL A
WITH RESIDUAL OIL, NATURAL GAS AND OTHER
FUELS IN BOILER 1. THE RESIDUAL OIL MUST
MEET THE REQUIREMENTS DEFINED IN P11.

Emission Source/Control: S0001 - Combustion
Design Capacity: 1,100 million Btu per hour

Emission Source/Control: S001C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 58.4:

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

Emission Unit: U-00002
Process: P21 Source Classification Code: 1-01-004-04
Process Description:
PROCESS IDENTIFICATION NUMBER P21
DESIGNATES RESIDUAL OIL FIRING IN BOILER 2.
DEC REGULATIONS LIMIT THE SULFUR CONTENT OF
THE FUEL TO 1.5% BY WEIGHT. THIS PROCESS
ALLOWS CO-FIRING NATURAL GAS. PSEG IS ALSO
CURRENTLY ALLOWED TO EVAPORATE SPENT BOILER
CLEANING SOLUTION IN THIS BOILER. BOILER 2
MAY BURN OTHER TYPES OF FUEL IF THE FUELS
DO NOT CHANGE OR VIOLATE APPLICABLE
REQUIREMENTS OF THIS PROCESS. THE FUELS
MUST ALSO NOT IMPOSE NEW REQUIREMENTS TO
THIS PROCESS. FUEL CONSUMPTION ESTIMATES
ARE PROVIDED, AS NEEDED, IN THE CALCULATION
SECTION OF SUPPORTING DOCUMENTATION.

Emission Source/Control: S0002 - Combustion
Design Capacity: 1,100 million Btu per hour

Emission Source/Control: S002C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 58.5:

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

Emission Unit: U-00002
Process: P22 Source Classification Code: 1-01-006-04
Process Description:
PROCESS IDENTIFICATION NUMBER P22
DESIGNATES NATURAL GAS FIRING IN BOILER 2.

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HOURLY AND ANNUAL FUEL CONSUMPTION DATA ARE PROVIDED, AS NEEDED, IN THE EMISSION CALCULATION SECTION OF SUPPORTING DOCUMENTATION.

Emission Source/Control: S0002 - Combustion
Design Capacity: 1,100 million Btu per hour

Item 58.6:

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

Emission Unit: U-00002
Process: P23 Source Classification Code: 1-01-004-04
Process Description:
PROCESS IDENTIFICATION NUMBER P23 DESIGNATES THE CO-FIRING OF WASTE FUEL A WITH RESIDUAL OIL, NATURAL GAS AND OTHER FUELS IN BOILER 2. THE RESIDUAL OIL MUST MEET THE REQUIREMENTS DEFINED IN P21.

Emission Source/Control: S0002 - Combustion
Design Capacity: 1,100 million Btu per hour

Emission Source/Control: S002C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 58.7:

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

Emission Unit: U-00003
Process: P31 Source Classification Code: 1-01-004-04
Process Description:
PROCESS IDENTIFICATION NUMBER P31 DESIGNATES RESIDUAL OIL FIRING IN BOILER 3. DEC REGULATIONS LIMIT THE SULFUR CONTENT OF THE FUEL TO 1.5% BY WEIGHT. THIS PROCESS ALLOWS CO-FIRING NATURAL GAS. PSEG IS ALSO CURRENTLY ALLOWED TO EVAPORATE SPENT BOILER CLEANING SOLUTION IN THIS BOILER. BOILER 3 MAY BURN OTHER TYPES OF FUEL IF THE FUELS DO NOT CHANGE OR VIOLATE APPLICABLE REQUIREMENTS OF THIS PROCESS. THE FUELS MUST ALSO NOT IMPOSE NEW REQUIREMENTS TO THIS PROCESS. FUEL CONSUMPTION ESTIMATES ARE PROVIDED, AS NEEDED, IN THE CALCULATION SECTION OF SUPPORTING DOCUMENTATION.

Emission Source/Control: S0003 - Combustion
Design Capacity: 1,100 million Btu per hour

Emission Source/Control: S003C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Item 58.8:

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

Emission Unit: U-00003

Process: P32

Source Classification Code: 1-01-006-04

Process Description:

PROCESS IDENTIFICATION NUMBER P32
DESIGNATES NATURAL GAS FIRING IN BOILER 3.
HOURLY AND ANNUAL FUEL CONSUMPTION DATA ARE
PROVIDED, AS NEEDED, IN THE EMISSION
CALCULATION SECTION OF SUPPORTING
DOCUMENTATION.

Emission Source/Control: S0003 - Combustion

Design Capacity: 1,100 million Btu per hour

Item 58.9:

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

Emission Unit: U-00003

Process: P33

Source Classification Code: 1-01-004-04

Process Description:

PROCESS IDENTIFICATION NUMBER P33
DESIGNATES THE CO-FIRING OF WASTE FUEL A
WITH RESIDUAL OIL, NATURAL GAS, AND OTHER
FUELS IN BOILER 3. THE RESIDUAL OIL MUST
MEET THE REQUIREMENTS DEFINED IN P31.

Emission Source/Control: S0003 - Combustion

Design Capacity: 1,100 million Btu per hour

Emission Source/Control: S003C - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 58.10:

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

Emission Unit: U-00004

Process: P41

Source Classification Code: 1-01-004-04

Process Description:

PROCESS IDENTIFICATION NUMBER P41
DESIGNATES RESIDUAL OIL FIRING IN BOILER 4.
DEC REGULATIONS LIMIT THE SULFUR CONTENT OF
THE FUEL TO 1.5% BY WEIGHT. THIS PROCESS
ALLOWS CO-FIRING NATURAL GAS. PSEG IS ALSO
CURRENTLY ALLOWED TO EVAPORATE SPENT BOILER
CLEANING SOLUTION IN THIS BOILER. BOILER 4
MAY BURN OTHER TYPES OF FUEL IF THE FUELS
DO NOT CHANGE OR VIOLATE APPLICABLE
REQUIREMENTS OF THIS PROCESS. THE FUELS
MUST ALSO NOT IMPOSE NEW REQUIREMENTS TO



THIS PROCESS. FUEL CONSUMPTION ESTIMATES
ARE PROVIDED, AS NEEDED, IN THE CALCULATION
SECTION OF SUPPORTING DOCUMENTATION.

Emission Source/Control: S0004 - Combustion
Design Capacity: 1,100 million Btu per hour

Emission Source/Control: S004C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 58.11:

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

Emission Unit: U-00004
Process: P42 Source Classification Code: 1-01-006-04

Process Description:
PROCESS IDENTIFICATION NUMBER P42
DESIGNATES NATURAL GAS FIRING IN BOILER 4.
HOURLY AND ANNUAL FUEL CONSUMPTION DATA ARE
PROVIDED, AS NEEDED, IN THE EMISSION
CALCULATION SECTION OF SUPPORTING
DOCUMENTATION.

Emission Source/Control: S0004 - Combustion
Design Capacity: 1,100 million Btu per hour

Item 58.12:

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

Emission Unit: U-00004
Process: P43 Source Classification Code: 1-01-004-04

Process Description:
PROCESS IDENTIFICATION NUMBER P43
DESIGNATES THE CO-FIRING OF WASTE FUEL A
WITH RESIDUAL OIL, NATURAL GAS AND OTHER
FUELS IN BOILER 4. THE RESIDUAL OIL MUST
MEET THE REQUIREMENTS DEFINED IN P41.

Emission Source/Control: S0004 - Combustion
Design Capacity: 1,100 million Btu per hour

Emission Source/Control: S004C - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 58.13:

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

Emission Unit: U-00005
Process: P51 Source Classification Code: 1-02-006-02

Process Description:
P51 DESIGNATES BURNING NATURAL GAS IN THE
PACKAGE BOILER. THE MAXIMUM FUEL FLOW RATE



INTO THE BOILER WILL BE 32,353 STANDARD CUBIC FEET PER HOUR. THERE WILL BE ONE BURNER IN THE BOILER.

Emission Source/Control: S0005 - Combustion

Condition 59: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-1.3

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

- (1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- (2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- (3) Identification of all periods of COMS downtime, including the date, time and duration of each inoperable

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period, and the cause and corrective action for each COMS downtime period;

(4) The total time in which the COMS are required to record data during the reporting period;

(5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time which the COMS are required to record data.

Manufacturer Name/Model Number: Lear Siegler RM41

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B RM 9

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 5/30/2002.

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

Condition 60: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1)

Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Regulated Contaminant(s):

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

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Very Large Boilers-Emission limits: Effective May 31, 1995 any owner or operator of a very large boiler must comply with the following emission limit as per NOx RACT.

Manufacturer Name/Model Number: Lear Siegler

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.25 pounds per million Btus

Reference Test Method: 40 CFR Appendix F

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.



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

Condition 61: Testing, monitoring, and reporting requirements for very large boilers.

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-2.6 (a) (1)

Item 61.1:

This Condition applies to Emission Unit: U-00001

Item 61.2:

The owner/operator shall measure NO_x emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

Condition 62: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-3.13

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sources subject to 40 CFR Part 75. The owner and/or operator of each budget source subject to 40 CFR Part 75 shall demonstrate compliance with this Subpart by using a certified 40 CFR Part 75 monitoring system and is subject to the following requirements:

Budget sources which have a flow monitor certified under 40 CFR Part 75: NO_x emissions in lbs/hr shall be determined using a CEMS and the flow monitor and by multiplying together the figures resulting from application of the following two Subparagraphs:

(i) The NO_x emission rate in lbs/mmBtu determined by using the procedure set forth in 40 CFR Part 75 Appendix F, Section 3.

(ii) The hourly heat input in mmBtu/hr determined by using the procedures set forth in 40 CFR Part 75 Appendix F, Section 5.

Monitoring Frequency: CONTINUOUS

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Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Future reduction by Emission Unit Shutdown (with shakedown period)

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 63.1:

This Condition applies to Emission Unit: U-00001

Item 63.2:

Emission Unit No (s): U-00001

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the first day of fuel combustion of Bethlehem Energy Center project, DEC ID No. 4-0122-00044.

2. The facility shall establish 197.31 tons per year of NO_x emission reduction credits (ERCs) by the shutdown of the above referenced emission unit. Some of these ERCs shall be used for netting by Bethlehem Energy Center project, DEC ID No. 4-0122-00044. The remaining ERCs shall become available for sale as offsets subsequent to the shutdown of the above referenced emission unit.

Condition 64: Future reduction by Emission Unit Shutdown (with shakedown period)

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 64.1:

This Condition applies to Emission Unit: U-00001

Item 64.2:

Emission Unit No (s): U-00001

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the first day of fuel combustion of Bethlehem Energy Center project , DEC ID No. 4-0122-00044.

2. The facility shall establish 6.0 tons per year of VOC emission reduction credits (ERCs) by the shutdown of the above referenced emission unit. These ERCs shall be used as for netting by Bethlehem Energy Center project, DEC ID No. 4-0122-00044.

Condition 65: This condition states if the facility is subject to Title IV.

Effective between the dates of 03/07/2002 and Permit Expiration Date



Applicable Federal Requirement:40CFR 72.6(a)(2), Subpart A

Item 65.1:

This Condition applies to Emission Unit: U-00001

Item 65.2:

This emission source is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77, and 78. The Acid Rain permit for this emission source is attached to this Title V facility permit

Condition 66: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P11

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

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE PERMITEE REQUESTS TO REPLACE THE 1.5 WT% SULFUR-IN-FUEL LIMIT WITH AN EQUIVALENT LIMIT OF 1.65 LB SO2/MMBTU AS ALLOWED BY 225-1.5(B). COMPLIANCE WILL BE CERTIFIED BY CEMS OPERATED PER 40 CFR 75. QUARTERLY REPORTS WILL BE SUBMITTED WHEN THERE ARE EXCEEDANCES.

Manufacturer Name/Model Number: TECO/KVB MODEL 43B

Upper Permit Limit: 1.65 pounds per million Btus

Reference Test Method: 40CFR75 APPX. A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 67: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

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

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Permit ID: 4-0122-00044/00014

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Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P11

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITEE WILL COMPLY WITH THE SULFUR-IN-FUEL LIMITS AS INDICATED BY 6 NYCRR 225-1.2(C) AND 225-1.2(D) ON AN EQUIVALENT STACK EMISSION RATE AS PROVIDED BY 6 NYCRR 225-1.5 AND 225-1.7(B).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 68: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.7 (b)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P11

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THIS CITATION SPECIFIES THE USE OF CEMS OPERATED ACCORDING TO 40 CFR 60 APPENDIX B. THE PERMITEE PROPOSES TO CERTIFY COMPLIANCE WITH THE PROPOSED SO2 LIMIT USING CEMS OPERATED ACCORDING TO 40 CFR75.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 69: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P11

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 70: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P13

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

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Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Monitoring Description:

THE PERMITEE REQUESTS TO REPLACE THE 1.5 WT% SULFUR-IN-FUEL LIMIT WITH AN EQUIVALENT LIMIT OF 1.65 LB SO₂/MMBTU AS ALLOWED BY 225-1.5(B). COMPLIANCE WILL BE CERTIFIED BY CEMS OPERATED PER 40 CFR 75. QUARTERLY REPORTS WILL BE SUBMITTED WHEN THERE ARE EXCEEDANCES.

Manufacturer Name/Model Number: TECO/KVB MODEL 43B

Upper Permit Limit: 1.65 pounds per million Btus

Reference Test Method: 40CFR75 APPX. A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 71: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.7 (b)

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Process: P13

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THIS CITATION SPECIFIES THE USE OF CEMS OPERATED ACCORDING TO 40 CFR 60, APPENDIX B. THE PERMITEE PROPOSES TO CERTIFY COMPLIANCE WITH THE PROPOSED SO₂ LIMIT USING CEMS OPERATED ACCORDING TO 40 CFR 75.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 72: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date



Applicable Federal Requirement:6 NYCRR 225-2.3 (b) (1)

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P13

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE PERMITEE PROPOSES MEASURING
COMBUSTION EFFICIENCY ONCE PER PERMIT
TERM BY MEASURING A CARBON DIOXIDE/CARBON
MONOXIDE EMISSION RATIO IN ACCORDANCE
WITH 40 CFR 761 OR OTHER APPROVED METHOD.
CO SHALL BE MEASURED BY METHOD 10, OR
OTHER ACCEPTABLE METHOD.

Parameter Monitored: CARBON MONOXIDE

Lower Permit Limit: 99.0 percent

Reference Test Method: RM10 OR OTHER

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 73: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001
Process: P13

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

Item 73.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 74: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-1.4 (b)

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00001

Emission Point: 00001

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and
- 6) Such other requirements as the Department may deem

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necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 75: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

(1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;

(2) For each period of excess emissions, specific identification of the cause and corrective action taken;

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(3) Identification of all periods of COMS downtime, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;

(4) The total time in which the COMS are required to record data during the reporting period;

(5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time which the COMS are required to record data.

Manufacturer Name/Model Number: Lear Sigler RM 41
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 APP B RM 9
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 5/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1)

Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Regulated Contaminant(s):

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

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Very Large Boilers-Emission limits: Effective May 31, 1995 any owner or operator of a very large boiler must comply with the following emission limit as per NOx RACT.

Manufacturer Name/Model Number: Lear Siegler
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.25 pounds per million Btus
Reference Test Method: 40 CFR Appendix F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)



Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 77: Testing, monitoring, and reporting requirements for very large boilers.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-2.6 (a) (1)

Item 77.1:
This Condition applies to Emission Unit: U-00002

Item 77.2:
The owner/operator shall measure NOx emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

Condition 78: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-3.13

Item 78.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Item 78.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Sources subject to 40 CFR Part 75. The owner and/or operator of each budget source subject to 40 CFR Part 75 shall demonstrate compliance with this Subpart by using a certified 40 CFR Part 75 monitoring system and is subject to the following requirements:

Budget sources which have a flow monitor certified under 40 CFR Part 75: NOx emissions in lbs/hr shall be determined using a CEMS and the flow monitor and by multiplying together the figures resulting from application of the following two Subparagraphs:

(i) The NOx emission rate in lbs/mmBtu determined by using the procedure set forth in 40 CFR Part 75 Appendix F, Section 3.

(ii) The hourly heat input in mmBtu/hr determined by using the procedures set forth in 40 CFR Part 75 Appendix F, Section 5.

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Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 79: Future reduction by Emission Unit Shutdown (with shakedown period)

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 79.1:

This Condition applies to Emission Unit: U-00002

Item 79.2:

Emission Unit No (s): U-00002

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the first day of fuel combustion of Bethlehem Energy Center project , DEC ID No. 4-0122-00044.

2. The facility shall establish 252.46 tons per year of NOx emission reduction credits (ERCs) by the shutdown of the above referenced emission unit. Some of these ERCs shall only be used for netting by Bethlehem Energy Center project, DEC ID No. 4-0122-00044. The remaining ERCs shall become available for sale as offsets subsequent to the shutdown of the above referenced emission unit.

Condition 80: Future reduction by Emission Unit Shutdown (with shakedown period)

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 80.1:

This Condition applies to Emission Unit: U-00002

Item 80.2:

Emission Unit No (s): U-00002

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the first day of fuel combustion of Bethlehem Energy Center project, DEC ID No. 4-0122-00044.

2. The facility shall establish 6.41 tons per year of VOC emission reduction credits (ERCs) by the shutdown of the above referenced emission unit. These ERCs shall be used for netting by Bethlehem Energy Center project, DEC ID No. 4-0122-00044.

Condition 81: This condition states if the facility is subject to Title



IV.

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 72.6(a)(2), Subpart A

Item 81.1:

This Condition applies to Emission Unit: U-00002

Item 81.2:

This emission source is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77, and 78. The Acid Rain permit for this emission source is attached to this Title V facility permit

Condition 82: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P21

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE PERMITEE REQUESTS TO REPLACE THE 1.5 WT% SULFUR-IN-FUEL LIMIT WITH AN EQUIVALENT LIMIT OF 1.65 LB SO₂/MMBTU AS ALLOWED BY 225-1.5(B). COMPLIANCE WILL BE CERTIFIED BY CEMS OPERATED PER 40 CFR 75. QUARTERLY REPORTS WILL BE SUBMITTED WHEN THERE ARE EXCEEDANCES.

Manufacturer Name/Model Number: TECO/KVB MODEL 43B

Upper Permit Limit: 1.65 pounds per million Btus

Reference Test Method: 40CFR75 APPX. A

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 83: Compliance Certification



Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 83.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: P21

Item 83.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITEE WILL COMPLY WITH THE
SULFUR-IN-FUEL LIMITS AS INDICATED BY 6
NYCRR 225-1.2(C) AND 225-1.2(D) ON AN
EQUIVALENT STACK EMISSION RATE AS
PROVIDED BY 6 NYCRR 225-1.5 AND
225-1.7(B).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 84: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.7 (b)

Item 84.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002
Process: P21

Item 84.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THIS CITATION SPECIFIES THE USE OF CEMS
OPERATED ACCORDING TO 40 CFR 60 APPENDIX
B. THE PERMITEE PROPOSES TO CERTIFY
COMPLIANCE WITH THE PROPOSED SO2 LIMIT
USING CEMS OPERATED ACCORDING TO 40
CFR75.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 85: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 85.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P21

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 85.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 86: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 86.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P23

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 86.2:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE PERMITEE REQUESTS TO REPLACE THE 1.5 WT% SULFUR-IN-FUEL LIMIT WITH AN EQUIVALENT LIMIT OF 1.65 LB SO₂/MMBTU AS ALLOWED BY 225-1.5(B). COMPLIANCE WILL BE CERTIFIED BY CEMS OPERATED PER 40 CFR 75. QUARTERLY REPORTS WILL BE SUBMITTED WHEN THERE ARE EXCEEDANCES.

Manufacturer Name/Model Number: TECO/KVB MODEL 43B

Upper Permit Limit: 1.65 pounds per million Btus

Reference Test Method: 40CFR75 APPX. A

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 87: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.7 (b)

Item 87.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P23

Item 87.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THIS CITATION SPECIFIES THE USE OF CEMS OPERATED ACCORDING TO 40 CFR 60 APPENDIX B. THE PERMITEE PROPOSES TO CERTIFY COMPLIANCE WITH THE PROPOSED SO₂ LIMIT USING CEMS OPERATED ACCORDING TO 40 CFR75.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

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Condition 88: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-2.3 (b) (1)

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P23

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 88.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE PERMITEE PROPOSES MEASURING
COMBUSTION EFFICIENCY ONCE PER PERMIT
TERM BY MEASURING A CARBON DIOXIDE/CARBON
MONOXIDE EMISSION RATIO IN ACCORDANCE
WITH 40 CFR 761 OR OTHER APPROVED METHOD.
CO SHALL BE MEASURED BY METHOD 10, OR
OTHER ACCEPTABLE METHOD.

Parameter Monitored: CARBON MONOXIDE

Lower Permit Limit: 99.0 percent

Reference Test Method: RM 10 OR OTHER

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 89: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Process: P23

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES



Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 90: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-1.4 (b)

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00002

Emission Point: 00002

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in



which the COMS are required to record data; and

6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 91: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 91.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

(1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;

(2) For each period of excess emissions, specific



identification of the cause and corrective action taken;

(3) Identification of all periods of COMS downtime, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;

(4) The total time in which the COMS are required to record data during the reporting period;

(5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time which the COMS are required to record data.

Manufacturer Name/Model Number: Lear Sigler RM 41

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: 40 CFR 60 APP B RM 9

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 5/30/2002.

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

Condition 92: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1)

Item 92.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Regulated Contaminant(s):

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

Item 92.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Very Large Boilers-Emission limits: Effective May 31, 1995 any owner or operator of a very large boiler must comply with the following emission limit as per NOx RACT.

Manufacturer Name/Model Number: Lear Siegler

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.25 pounds per million Btus

Reference Test Method: 40 CFR Appendix F



Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 93: Testing, monitoring, and reporting requirements for very large boilers.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-2.6 (a) (1)

Item 93.1:
This Condition applies to Emission Unit: U-00003

Item 93.2:
The owner/operator shall measure NOx emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

Condition 94: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-3.13

Item 94.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Item 94.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Sources subject to 40 CFR Part 75. The owner and/or operator of each budget source subject to 40 CFR Part 75 shall demonstrate compliance with this Subpart by using a certified 40 CFR Part 75 monitoring system and is subject to the following requirements:

Budget sources which have a flow monitor certified under 40 CFR Part 75: NOx emissions in lbs/hr shall be determined using a CEMS and the flow monitor and by multiplying together the figures resulting from application of the following two Subparagraphs:

(i) The NOx emission rate in lbs/mmBtu determined by using the procedure set forth in 40 CFR Part 75 Appendix F, Section 3.

(ii) The hourly heat input in mmBtu/hr determined by

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using the procedures set forth in 40 CFR Part 75 Appendix F, Section 5.

Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 95: Future reduction by Emission Unit Shutdown (with shakedown period)
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 95.1:

This Condition applies to Emission Unit: U-00003

Item 95.2:

Emission Unit No (s): U-00003

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the first day of fuel combustion of Bethlehem Energy Center project, DEC ID No. 4-0122-00044.
2. The facility shall establish 6.14 tons per year of VOC emission reduction credits (ERCs) by the shutdown of the above referenced emission unit. These ERCs shall be used for netting by Bethlehem Energy Center project, DEC ID No. 4-0122-00044.

Condition 96: Future reduction by Emission Unit Shutdown (with shakedown period)
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 96.1:

This Condition applies to Emission Unit: U-00003

Item 96.2:

Emission Unit No (s): U-00003

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the first day of fuel combustion of Bethlehem Energy Center project , DEC ID No. 4-0122-00044.
2. The facility shall establish 208.88 tons per year of NOx emission reduction credits (ERCs) by the shutdown of the above referenced emission unit. Some of these ERCs shall be used for netting by Bethlehem energy Center project, DEC ID No. 4-0122-00044. The remaining ERCs shall become available for sale as offsets subsequent to the shutdown of the above referenced emission unit.

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Condition 97: This condition states if the facility is subject to Title IV.
Effective between the dates of 03/07/2002 and Permit Expiration Date
Applicable Federal Requirement:40CFR 72.6(a)(2), Subpart A

Item 97.1:
This Condition applies to Emission Unit: U-00003

Item 97.2:
This emission source is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77, and 78. The Acid Rain permit for this emission source is attached to this Title V facility permit

Condition 98: **Compliance Certification**
Effective between the dates of 03/07/2002 and Permit Expiration Date
Applicable Federal Requirement:6 NYCRR 225-1.2 (d)

Item 98.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00003
Process: P31

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

Item 98.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

THE PERMITEE REQUESTS TO REPLACE THE 1.5 WT% SULFUR-IN-FUEL LIMIT WITH AN EQUIVALENT LIMIT OF 1.65 LB SO₂/MMBTU AS ALLOWED BY 225-1.5(B). COMPLIANCE WILL BE CERTIFIED BY CEMS OPERATED PER 40 CFR 75. QUARTERLY REPORTS WILL BE SUBMITTED WHEN THERE ARE EXCEEDANCES.

Manufacturer Name/Model Number: TECO/KVB MODEL 43B
Upper Permit Limit: 1.65 pounds per million Btus
Reference Test Method: 40CFR75 APPX. A
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.



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

Condition 99: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 99.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: P31

Item 99.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITEE WILL COMPLY WITH THE
SULFUR-IN-FUEL LIMITS AS INDICATED BY 6
NYCRR 225-1.2(C) AND 225-1.2(D) ON AN
EQUIVALENT STACK EMISSION RATE AS
PROVIDED BY 6 NYCRR 225-1.5 AND
225-1.7(B).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 100: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.7 (b)

Item 100.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: P31

Item 100.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THIS CITATION SPECIFIES THE USE OF CEMS
OPERATED ACCORDING TO 40 CFR 60 APPENDIX
B. THE PERMITEE PROPOSES TO CERTIFY
COMPLIANCE WITH THE PROPOSED SO2 LIMIT

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USING CEMS OPERATED ACCORDING TO 40 CFR75
WHICH IS AT LEAST AS STRINGENT AS THE
REQUIREMENTS OF 40 CFR 60.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 101: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 101.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: P31

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 101.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or
multiple boilers ducted through a common stack, which fire
liquid fuels, and that have a heat capacity exceeding 250
mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 102: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 102.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: P33

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Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 104: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-2.3 (b) (1)

Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003

Process: P33

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE PERMITEE PROPOSES MEASURING
COMBUSTION EFFICIENCY ONCE PER PERMIT
TERM BY MEASURING A CARBON DIOXIDE/CARBON
MONOXIDE EMISSION RATIO IN ACCORDANCE
WITH 40 CFR 761 OR OTHER APPROVED METHOD.
CO SHALL BE MEASURED BY METHOD 10, OR
OTHER ACCEPTABLE METHOD.

Parameter Monitored: CARBON MONOXIDE

Lower Permit Limit: 99.0 percent

Reference Test Method: RM 10 OR OTHER

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 105: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 105.1:

The Compliance Certification activity will be performed for:

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Facility DEC ID: 4012200044



Emission Unit: U-00003
Process: P33

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

Item 105.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 106: Compliance Certification

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-1.4 (b)

Item 106.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00003 Emission Point: 00003

Item 106.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;



4) Total time the COMS is required to record data during the reporting period;

5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and

6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 107: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard may be determined by EPA Reference Method 9, Continuous Opacity Monitoring System (COMS) data, and/or any other credible evidence. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

(1) The magnitude, date and time of each six minute block

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average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;

- (2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- (3) Identification of all periods of COMS downtime, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;
- (4) The total time in which the COMS are required to record data during the reporting period;
- (5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time which the COMS are required to record data.

Manufacturer Name/Model Number: Lear Sigler RM41
Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: 40 CFR 60 APP B RM 9
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 5/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 108: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-2.4 (a) (1)

Item 108.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00004

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

Item 108.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

Very Large Boilers-Emission limits: Effective May 31, 1995 any owner or operator of a very large boiler must comply with the following emission limit as per NO_x RACT.

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Manufacturer Name/Model Number: Lear Siegler
Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 0.25 pounds per million Btus
Reference Test Method: 40 CFR Appendix F
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 109: Testing, monitoring, and reporting requirements for very large boilers.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-2.6 (a) (1)

Item 109.1:

This Condition applies to Emission Unit: U-00004

Item 109.2:

The owner/operator shall measure NOx emissions with a continuous emissions monitoring system (CEMS) as described in 6NYCRR 227-2.6(b).

Condition 110: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-3.13

Item 110.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Item 110.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Sources subject to 40 CFR Part 75. The owner and/or operator of each budget source subject to 40 CFR Part 75 shall demonstrate compliance with this Subpart by using a certified 40 CFR Part 75 monitoring system and is subject to the following requirements:

Budget sources which have a flow monitor certified under 40 CFR Part 75: NOx emissions in lbs/hr shall be determined using a CEMS and the flow monitor and by multiplying together the figures resulting from application of the following two Subparagraphs:



(i) The NOx emission rate in lbs/mmBtu determined by using the procedure set forth in 40 CFR Part 75 Appendix F, Section 3.

(ii) The hourly heat input in mmBtu/hr determined by using the procedures set forth in 40 CFR Part 75 Appendix F, Section 5.

Monitoring Frequency: CONTINUOUS

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 111: Future reduction by Emission Unit Shutdown (with shakedown period)

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 111.1:

This Condition applies to Emission Unit: U-00004

Item 111.2:

Emission Unit No (s): U-00004

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the first day of fuel combustion of Bethlehem Energy Center project, DEC ID No. 4-0122-00044.

2. The facility shall establish 180.22 tons per year of NOx emission reduction credits (ERCs) by the shutdown of the above referenced emission unit. Some of these ERCs shall be used for netting by Bethlehem Energy Center project, DEC ID No. 4-0122-00044. The remaining ERCs shall become available for sale as offsets subsequent to the shutdown of the above referenced emission unit.

Condition 112: Future reduction by Emission Unit Shutdown (with shakedown period)

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 231-2.6

Item 112.1:

This Condition applies to Emission Unit: U-00004

Item 112.2:

Emission Unit No (s): U-00004

1. The permittee shall shutdown the above referenced emission unit, within 165 days after the first day of fuel combustion Bethlehem Energy Center project , DEC ID No.

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4-0122-00044.

2. The facility shall establish 5.18 tons per year of VOC emission reduction credits (ERCs) by the shutdown of the above referenced emission unit. These ERCs shall be used for netting by Bethlehem Energy Center project, DEC ID No. 4-0122-00044.

Condition 113: This condition states if the facility is subject to Title IV.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 72.6(a)(2), Subpart A

Item 113.1:

This Condition applies to Emission Unit: U-00004

Item 113.2:

This emission source is subject to the Title IV Acid Rain Regulations found in 40 CFR Parts 72, 73, 75, 76, 77, and 78. The Acid Rain permit for this emission source is attached to this Title V facility permit

Condition 114: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004
Process: P41

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

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

THE PERMITEE REQUESTS TO REPLACE THE 1.5 WT% SULFUR-IN-FUEL LIMIT WITH AN EQUIVALENT LIMIT OF 1.65 LB SO₂/MMBTU AS ALLOWED BY 225-1.5(B). COMPLIANCE WILL BE CERTIFIED BY CEMS OPERATED PER 40 CFR 75. QUARTERLY REPORTS WILL BE SUBMITTED WHEN THERE ARE EXCEEDANCES.

Manufacturer Name/Model Number: TECO/KVB MODEL 43B

Upper Permit Limit: 1.65 pounds per million Btus

Reference Test Method: 40CFR75 APPX. A

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Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 115: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 115.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004
Process: P41

Item 115.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE PERMITEE WILL COMPLY WITH THE
SULFUR-IN-FUEL LIMITS AS INDICATED BY 6
NYCRR 225-1.2(C) AND 225-1.2(D) ON AN
EQUIVALENT STACK EMISSION RATE AS
PROVIDED BY 6 NYCRR 225-1.5 AND
225-1.7(B).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 116: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 225-1.7 (b)

Item 116.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004
Process: P41

Item 116.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

THIS CITATION SPECIFIES THE USE OF CEMS OPERATED ACCORDING TO 40 CFR 60 APPENDIX B. THE PERMITEE PROPOSES TO CERTIFY COMPLIANCE WITH THE PROPOSED SO₂ LIMIT USING CEMS OPERATED ACCORDING TO 40 CFR 75 WHICH IS AT LEAST AS STRINGENT AS THE REQUIREMENTS OF 40 CFR 60.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 117: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-1.2 (a) (1)

Item 117.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: P41

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 117.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 118: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 118.1:

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WHICH IS AT LEAST AS STRINGENT AS THE
REQUIREMENTS OF 40 CFR 60.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 120: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 225-2.3 (b) (1)

Item 120.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004

Process: P43

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 120.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

THE PERMITEE PROPOSES MEASURING
COMBUSTION EFFICIENCY ONCE PER PERMIT
TERM BY MEASURING A CARBON DIOXIDE/CARBON
MONOXIDE EMISSION RATIO IN ACCORDANCE
WITH 40 CFR 761 OR OTHER APPROVED METHOD.
CO SHALL BE MEASURED BY METHOD 10, OR
OTHER ACCEPTABLE METHOD.

Parameter Monitored: CARBON MONOXIDE

Lower Permit Limit: 99.0 percent

Reference Test Method: RM 10 OR OTHER

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 121: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date



Applicable Federal Requirement:6 NYCRR 227-1.2 (a) (1)

Item 121.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004
Process: P43

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

Item 121.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emission limit for singular boilers or multiple boilers ducted through a common stack, which fire liquid fuels, and that have a heat capacity exceeding 250 mmBtu/hr.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 122: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-1.4 (b)

Item 122.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00004 Emission Point: 00004

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly excess emission reports:

- 1) Magnitude, date, and time of each exceedence;
- 2) For each period of excess emissions, specific identification of the cause and corrective action taken;

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- 3) Date, time, and duration of each period of COMS downtime, and the corrective action for each period of downtime;
- 4) Total time the COMS is required to record data during the reporting period;
- 5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time in which the COMS are required to record data; and
- 6) Such other requirements as the Department may deem necessary in order to enforce Article 19 of the Environmental Conservation Law (ECL).

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 123: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-2.4 (c) (2)

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

Regulated Contaminant(s):

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

Item 123.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The package boiler is restricted to firing natural gas at a operational load of 51 % of the it's rated capacity or 33mmBTU/hr (3 lb/hr Nox). The permittee shall report on a semi-annual basis hourly maximum heat inputs utilizing an certified fuel flow meter (Appendix D, Part 75) or a gas billing meter, fuel flow must be monitored on a unit basis.

Parameter Monitored: FUEL

Upper Permit Limit: 32,353. cubic feet per hour
(standard conditions)

Monitoring Frequency: HOURLY

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Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 124: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 227-2.4 (c) (2)

Item 124.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

Regulated Contaminant(s):

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

Item 124.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Compliance with the stated emission limit shall be determined with a one hour average in accordance with section 227-2.6(a)(4).

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: 40CFR60 Appendix B&F

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 125: Applicability of General Provisions of 40 CFR 60 Subpart A
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 125.1:

This Condition applies to Emission Unit: U-00005

Item 125.2:

This emission source is subject to the applicable General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

Condition 126: Recordkeeping requirements.
Effective between the dates of 03/07/2002 and Permit Expiration Date



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

Item 126.1:

This Condition applies to Emission Unit: U-00005

Item 126.2:

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Condition 127: Excess emissions report.
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 127.1:

This Condition applies to Emission Unit: U-00005

Item 127.2:

Affected owners or operators shall submit an excess emissions report quarterly (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), and shall contain the following information:

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

Condition 128: Facility files for subject sources.
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 128.1:

This Condition applies to Emission Unit: U-00005

Item 128.2:

The following files shall be maintained at the facility for all affected sources: all

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

Condition 129: Performance testing timeline.
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 129.1:

This Condition applies to Emission Unit: U-00005

Item 129.2:

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

Condition 130: Performance test methods.
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 130.1:

This Condition applies to Emission Unit: U-00005

Item 130.2:

Performance testing shall be conducted in accordance with the methods and procedures prescribed in this part or by alternative methods and procedures approved by the Administrator.

Condition 131: Required performance test information.
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 131.1:

This Condition applies to Emission Unit: U-00005

Item 131.2:

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operate of the facility.

Condition 132: Prior notice.
Effective between the dates of 03/07/2002 and Permit Expiration Date



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

Item 132.1:

This Condition applies to Emission Unit: U-00005

Item 132.2:

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

Condition 133: Performance testing facilities.
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 133.1:

This Condition applies to Emission Unit: U-00005

Item 133.2:

The following performance testing facilities shall be provided during all tests:

- 1) sampling ports adequate for tests methods applicable to such facility;
- 2) a safe sampling platform;
- 3) a safe access to the sampling platform; and
- 4) utilities for sampling and testing equipment.

Condition 134: Number of required tests.
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 134.1:

This Condition applies to Emission Unit: U-00005

Item 134.2:

Each performance test shall consist of three separate runs, at the specified duration required in the applicable test method. Compliance with all applicable standards shall be determined by using the arithmetic means of the results of the three runs.

Condition 135: Availability of information.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A

Item 135.1:

This Condition applies to Emission Unit: U-00005



Item 135.2:

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter.

Condition 136: Opacity standard compliance testing.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.11, NSPS Subpart A

Item 136.1:

This Condition applies to Emission Unit: U-00005

Item 136.2:

The following conditions shall be used to determine compliance with the opacity standards:

- 1) observations shall be conducted in accordance with Reference Method 9, in Appendix A or this Part 40 CFR 60(or an equivalent method approved by the Administrator including continuous opacity monitors);
- 2) the opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and
- 3) all other applicable conditions cited in section 60.11 of this part.

Condition 137: Circumvention.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A

Item 137.1:

This Condition applies to Emission Unit: U-00005

Item 137.2:

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

Condition 138: Modifications.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.14, NSPS Subpart A

Item 138.1:

This Condition applies to Emission Unit: U-00005



Item 138.2:

Within 180 days of the completion of any physical or operational change (as defined in section 60.14), compliance with the applicable standards must be achieved.

Condition 139: Reconstruction.

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.15, NSPS Subpart A

Item 139.1:

This Condition applies to Emission Unit: U-00005

Item 139.2:

The following shall be submitted to the Administrator prior to reconstruction (as defined in section 60.15):

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;
- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Condition 140: Applicability of this Subpart to this emission source

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.40c, NSPS Subpart Dc

Item 140.1:

This Condition applies to Emission Unit: U-00005

Item 140.2:

This emission source is subject to the applicable General Provisions of 40 CFR 60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Condition 141: Compliance Certification
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.48c(g), NSPS Subpart Dc

Item 141.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

Item 141.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

Condition 142: Duration of records maintained.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.48c(i), NSPS Subpart Dc

Item 142.1:

This Condition applies to Emission Unit: U-00005

Item 142.2:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

Condition 143: Monitoring requirements.
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.13, NSPS Subpart A

Item 143.1:

This Condition applies to Emission Unit: U-00005

Process: P51

Item 143.2:

All continuous monitoring systems and devices shall be installed, calibrated, maintained, and operated in accordance with the requirements of section 60.13.

Condition 144: Compliance Certification



Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 144.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00005

Emission Point: 00005

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 144.2:

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 (on a six minute block period) except for one six minute block period per hour, not to exceed 27 percent, based upon the six minute average in reference test method 9 in Appendix A of 40 CFR 60.

Operators of air contamination sources that are not exempt from permitting and where a continuous opacity monitor is not utilized for measuring smoke emissions, shall be required to perform the following:

- 1) Observe the stack(s) or vent(s) once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for each stack:
 - weather condition
 - was a plume observed?

This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days, then the Method 9 analysis (based upon a 6-minute mean) of the affected emission point(s) must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The



operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**** NOTE **** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

Condition 145: Unavoidable noncompliance and violations
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 201-1.4

Item 145.1:

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 146: General Provisions

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 146.1:

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

Item 146.2:

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

Item 146.3:

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

Condition 147: Permit Exclusion Provisions

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 147.1:

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

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



The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to bring any future action, or pursue any pending action, either administrative or judicial, to required remediation, contribution for costs incurred or funds expended, for any violations, past, present or future, known or unknown, of applicable federal law, the ECL, or the rules and regulations promulgated thereunder, or conditions contained in any other licenses or permits issued to the Applicant and not addressed in this permit.

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting the right of the Department to pursue any claims for natural resource damages against the Applicant.

Condition 148: Contaminant List
Effective between the dates of 03/07/2002 and Permit Expiration Date

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

Item 148.1:

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

CAS No: 000630-08-0
Name: CARBON MONOXIDE

CAS No: 001336-36-3
Name: POLYCHLORINATED BIPHENYL

CAS No: 007439-92-1
Name: LEAD

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 149: Air pollution prohibited
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2

Item 149.1:

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.



**** Emission Unit Level ****

Condition 150: Compliance Demonstration
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 227-1.4 (a)

Item 150.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00001

Item 150.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Appendix B, 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 151: Compliance Demonstration
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 227-1.4 (a)

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



Item 151.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00002

Item 151.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Appendix B, 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 152: Compliance Demonstration

Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 227-1.4 (a)

Item 152.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00003

Item 152.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

Facility DEC ID: 4012200044



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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Appendix B, 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

Condition 153: Compliance Demonstration
Effective between the dates of 03/07/2002 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 227-1.4 (a)

Item 153.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00004

Item 153.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Any person who owns a stationary combustion installation (excluding gas turbines), with a total maximum heat input capacity exceeding 250 million Btu per hour shall install, operate in accordance with manufacturer's instructions, and properly maintain, accurate instruments satisfying the criteria in appendix B of title 40, part 60 of the Code of

New York State Department of Environmental Conservation

Permit ID: 4-0122-00044/00014

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Federal Regulations, or approved by the commissioner on an individual case basis, for continuously monitoring and recording opacity, and when sulfur dioxide continuous monitoring is required by Part 225 of this Title, for continuously monitoring and recording either the percent oxygen or carbon dioxide in the flue gases from such installations at all times that the combustion installation is in service. Where gas is the only fuel burned, monitoring and recording of opacity is not required.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Appendix B, 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2002.

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

