

New York State Department of Environmental Conservation
Facility DEC ID: 7313200052



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 7-3132-00052/00020
Mod 0 Effective Date: 07/17/2002 Expiration Date: 07/17/2007
Mod 1 Effective Date: 07/17/2002 Expiration Date: No expiration date.
Mod 2 Effective Date: 06/09/2003 Expiration Date: 07/17/2007
Mod 3 Effective Date: 05/24/2005 Expiration Date: 07/17/2007

Permit Issued To: TRIGEN SYRACUSE ENERGY CORP
56 INDUSTRIAL DR
SYRACUSE, NY 13204

Contact: TRIGEN SYRACUSE ENERGY CORP
56 INDUSTRIAL DR
SYRACUSE, NY 13204
(315) 487-4473

Facility: TRIGEN SYRACUSE ENERGY CORPORATION
56 INDUSTRIAL DRIVE
SYRACUSE, NY 13204-1091

Contact: MARK GILMORE
TRIGEN-SYRACUSE ENERGY CORP
56 INDUSTRIAL DR
SYRACUSE, NY 13204
(315) 487-4473

Description:
This permit is to authorize construction and operation of a spray dry absorber.

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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: JOANNE L MARCH
 DIVISION OF ENVIRONMENTAL PERMITS
 615 ERIE BLVD WEST
 SYRACUSE, NY 13204-2400

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 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 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

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 7
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 2-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 2-1.1:

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 2-1.2:

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

Item 2-1.3:



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

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 2

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 2-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 2-2.1:

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

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

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Expired by Mod No: 2

Item 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

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materially changed since the permit was issued.

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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 7
HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)**

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 7 Headquarters
Division of Environmental Permits
615 Erie Blvd West
Syracuse, NY 13204-2400
(315) 426-7400



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ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

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56 INDUSTRIAL DR
SYRACUSE, NY 13204

Facility: TRIGEN SYRACUSE ENERGY CORPORATION
56 INDUSTRIAL DRIVE
SYRACUSE, NY 13204-1091

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

Mod 0 Permit Effective Date: 07/17/2002

Permit Expiration Date: 07/17/2007



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 3-1 6NYCRR 201-6.5(a)(7): Fees
- 24 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 25 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 2-1 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 2-2 6NYCRR 201-6.5(e): Compliance Certification
- 31 6NYCRR 202-2.1: Compliance Certification
- 32 6NYCRR 202-2.5: Recordkeeping requirements
- 3-2 6NYCRR 200.7: Maintenance of Equipment
- 3-3 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 3-4 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 3-5 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 3-6 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 3-7 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 3-8 40CFR 68: Accidental release provisions.
- 3-9 6NYCRR 200.7: Compliance Certification
- 23 6NYCRR 201-6: Emission Unit Definition
- 2-3 6NYCRR 201-6.5(g): Non Applicable requirements
- 33 6NYCRR 204-1.6: Permit requirements.
- 34 6NYCRR 204-2.1: Submissions to the Department.
- 35 6NYCRR 204-4.1: Contents of reports and compliance certifications.
- 36 6NYCRR 204-4.1: Compliance Certification
- 37 6NYCRR 204-7.1: Submission of NOx allowance transfers.
- 38 6NYCRR 204-8.1: General provisions.
- 39 6NYCRR 204-8.1: Prohibitions.
- 40 6NYCRR 204-8.1: Requirements for installation, certification, and data accounting.
- 41 6NYCRR 204-8.2: Requirements for recertification of monitoring systems.
- 42 6NYCRR 204-8.3: Out of control periods.
- 43 6NYCRR 204-8.4: Compliance Certification
- 44 6NYCRR 204-8.7: Compliance Certification
- 45 6NYCRR 207: Compliance Certification
- 48 6NYCRR 225-1.7(c): Compliance Certification
- 49 6NYCRR 227-3.12: Authorized Account Representatives (AARs)
- 50 6NYCRR 227-3.13: General provisions for emissions monitoring.
- 51 6NYCRR 227-3.15: Compliance Certification
- 52 6NYCRR 227-3.16: Compliance Certification
- 53 6NYCRR 227-3.17: Compliance Certification
- 55 40CFR 72, Subpart A: Compliance Certification
- 3-10 40CFR 82: Recycling and emissions reduction.



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Emission Unit Level

57 6NYCRR 201-6: Emission Point Definition By Emission Unit

58 6NYCRR 201-6: Process Definition By Emission Unit

EU=U-00ASH

59 6NYCRR 207.3(d): Episode action plans.

60 40CFR 63.6(b)(2), Subpart A: Compliance dates for new and reconstructed sources

EU=U-00BLR

61 6NYCRR 207.3(d): Episode action plans.

3-11 6NYCRR 225-1.5(b): Compliance Certification

62 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.

63 6NYCRR 231-2.6(a)(7): Compliance Certification

3-12 6NYCRR 257-1: Compliance Certification

3-13 40CFR 60.14, NSPS Subpart A: Compliance Certification

64 40CFR 63.6(b)(2), Subpart A: Compliance dates for new and reconstructed sources

EU=U-00BLR,EP=00001

66 6NYCRR 227-1.3: Compliance Certification

67 6NYCRR 227-1.3(a): Compliance Certification

68 6NYCRR 227-1.4(b): Compliance Certification

69 6NYCRR 227-2.4(a): Compliance Certification

EU=U-00BLR,EP=00001,Proc=COA

70 6NYCRR 227-1.2(a)(3): Compliance Certification

EU=U-00BLR,EP=00001,Proc=COA,ES=0BAGH

71 6NYCRR 200.7: Compliance Certification

72 6NYCRR 201-1.8: Compliance Certification

EU=U-0COAL

73 6NYCRR 207.3(d): Episode action plans.

74 40CFR 63.6(b)(2), Subpart A: Compliance dates for new and reconstructed sources

EU=U-0COAL,EP=0006A,Proc=UNL

75 6NYCRR 212.6(a): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

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76 ECL 19-0301: Contaminant List

77 6NYCRR 201-1.4: Unavoidable noncompliance and violations

81 6NYCRR 211.2: Air pollution prohibited



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Emission Unit Level

EU=U-00BLR,EP=00001

82 6NYCRR 227-1.4(a): Compliance Demonstration

EU=U-00BLR,EP=00001,Proc=COA

83 6NYCRR 617.11(d): Compliance Demonstration

84 6NYCRR 617.11(d): Compliance Demonstration

85 6NYCRR 617.11(d): Compliance Demonstration

Mod 2 Permit Effective Date: 06/09/2003

Permit Expiration Date: 07/17/2007

Mod 3 Permit Effective Date: 05/24/2005

Permit Expiration Date: 07/17/2007



FEDERALLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

Item A: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

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

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

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

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

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

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

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

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.

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

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

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

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

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

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

(4) The facility owner and/or operator notified the



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Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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

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

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

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

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

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

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject



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to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

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

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

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

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

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

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

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

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

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renewal application.

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

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

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.

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

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

Item Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as

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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.

Item T: Severability - 6 NYCRR Part 201-6.5(a)(9)

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

Item U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

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

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or corrective measures adopted.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or



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contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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

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

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

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

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

Proceedings to reopen and issue Title V facility permits



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shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1

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

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

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.

Item AA: Open Fires - 6 NYCRR Part 215

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.

Item BB: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to

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the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item CC: Federally Enforceable Requirements - 40 CFR 70.6(b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

Condition 3-1: Fees

Effective between the dates of 05/24/2005 and 07/17/2007

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

Item 3-1.1:

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

Condition 24: Recordkeeping and reporting of compliance monitoring

Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 24.1:

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;



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

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

Condition 25: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 25.1:

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

Condition 2-1: Compliance Certification

Effective between the dates of 06/09/2003 and 07/17/2007

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

Item 2-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-1.2:

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

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requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

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

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

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

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

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

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

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Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

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

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

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

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of 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.



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Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 2-2: Compliance Certification
Effective between the dates of 06/09/2003 and 07/17/2007

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

Item 2-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions

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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:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

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 45 days after the reporting period.

The initial report is due 8/14/2003.

Subsequent reports are due on the same day each year

Condition 31: Compliance Certification

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Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 31.1:

The Compliance Certification activity will be performed for the Facility.

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 32: Recordkeeping requirements

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 32.1:

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

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

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

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

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".]



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Condition 3-2: Maintenance of Equipment

Effective between the dates of 05/24/2005 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 200.7

Item 3-2.1:

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

Condition 3-3: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 05/24/2005 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-1.8

Item 3-3.1:

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

Condition 3-4: Standard Requirement - Provide Information

Effective between the dates of 05/24/2005 and 07/17/2007

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

Item 3-4.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 3-5: General Condition - Right to Inspect

Effective between the dates of 05/24/2005 and 07/17/2007

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

Item 3-5.1:

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

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the



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conditions of the permit;

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

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

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

Condition 3-6: Standard Requirements - Progress Reports
Effective between the dates of 05/24/2005 and 07/17/2007

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

Item 3-6.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 3-7: Off Permit Changes
Effective between the dates of 05/24/2005 and 07/17/2007

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

Item 3-7.1:

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

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



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

Condition 3-8: Accidental release provisions.

Effective between the dates of 05/24/2005 and 07/17/2007

Applicable Federal Requirement: 40CFR 68

Replaces Condition(s) 2-4

Item 3-8.1:

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

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

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

FEDERAL APPLICABLE REQUIREMENTS

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

Condition 3-9: Compliance Certification

Effective between the dates of 05/24/2005 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 200.7

Item 3-9.1:

The Compliance Certification activity will be performed for the Facility.

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Item 3-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Section 200.7 requires that any person who owns or operates an air contamination source shall keep the device in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications.

Within 120 days of commencing operation of the spray dry adsorber the owner or operator shall submit to the DEC a plan for maintaining the efficiency of the control devices at the facility. Such plan shall include recommended operating ranges for the spray dry adsorber lime flow and pressure drop and the fabric filter pressure drop and procedures for startup and shutdown of the device.

Upon submission of such a plan, and continuing after DEC approval, the owner or operator shall operate the control devices in accordance with the plan.

On a semi-annual calendar basis, the owner or operator shall submit to the DEC a report stating whether the control devices have been operated and maintained in accordance with the DEC-approved plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 8/14/2005.

Subsequent reports are due every 12 calendar month(s).

Condition 23: Emission Unit Definition

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 23.1(From Mod 3):

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

Emission Unit: U-00BLR

Emission Unit Description:

FIVE PULVERIZED COAL BOILERS, EACH WITH A

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DESIGN CAPACITY OF 275 MM BTU/HR. THE FLUE GAS EXHAUST IS DRAWN THROUGH A LIME SPRAY DRY ABSORBER (SDA) AND A FABRIC FILTER BAGHOUSE PRIOR TO DISCHARGE. EACH PULVERIZED BOILER IS A NOX BUDGET UNIT AS DEFINED IN 6 NYCRR PART 227-3. NOX MASS EMISSIONS ARE DIRECTLY MONITORED BY USE OF A FLOW MONITOR AND NOX CONCENTRATION MONITOR.

Building(s): BLR HS

Item 23.2(From Mod 0):

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

Emission Unit: U-00ASH

Emission Unit Description:

THE FLY ASH CONVEYING SYSTEM INCLUDES TWO PNEUMATIC SYSTEMS THAT TRANSFER FLY ASH FROM THE BOILER EXHAUST BAGHOUSE AND BOILER GAS PASSES TO THE ASH SILO.

Building(s): ASILO

Item 23.3(From Mod 0):

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

Emission Unit: U-0COAL

Emission Unit Description:

CONTROLLED EMISSIONS FROM THE CRUSHING, CONVEYING, AND PROCESSING OF COAL. COAL IS UNLOADED FROM RAILROAD CARS AND EITHER CRUSHED AND CONVEYED TO THE BOILER BUILDING COAL BUNKERS OR CONVEYED TO A STORAGE PILE. COAL IS DIRECTLY FED FROM THE BOILER BUILDING BUNKERS TO THE BOILERS.

Building(s): BLR HS
CRSH B

Condition 2-3: Non Applicable requirements

Effective between the dates of 06/09/2003 and 07/17/2007

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

Replaces Condition(s) 29

Item 2-3.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within



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this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

(From Mod 2) 6NYCRR 212

Emission Unit: U00BLR Process: ALT

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

6NYCRR 212.

Emission Unit: U00BLR Process: ALT

Reason: The following conditions relate to the burning of alternate fuel fluff at this facility. In accordance with the Department's policy for burning alternative fuels, these conditions allow this source to be regulated as a stationary combustion source not subject to the requirements for process incinerators regulated by 6 NYCRR Part 212. The alternative fuels project is exempt from PSD as a pollution control project with a net environmental benefit. This project did not trigger NSPS since the modification does not result in an increase in the hourly emission rate.

1. Trigen-Syracuse is authorized to co-fire coal and alternative fuel in boilers #3, #4 and/or #5. The alternative fuel is processed from pre-consumer, non-recyclable, non-reusable, non-contaminated plastic coated paper, wax coated paper, paper, fibrous material and low chlorine content (less than 1% dry weight as received) plastic film.

Demonstration that this is the only type of alternative fuel fired shall be in accordance with the Alternative Fuels QA/QC Plan approved by the Department and attached to this permit.

2. Trigen-Syracuse shall not combust any alternative

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fuel that does not conform to the following specifications (dry basis):
Minimum Heat Content - 5000 Btu/lb; Maximum sulfur - 0.48% by weight,
Maximum Nitrogen - 1.10% by weight; Maximum Chlorine - 0.18% by
weight (see condition #3 below). In addition, a full metals
analysis will be performed for each potential fuel. Compliance with
these specifications shall be demonstrated in accordance with
procedures specified in the Alternative Fuels QA/QC Plan approved
by the Department.

3. Chlorine exception - alternative fuel that tests up
to 1.0% by weight chlorine may be accepted to an inventory level
not to exceed 10% by weight of the total alternative fuel inventory.
Exception materials shall be specifically tagged and blended in
the shredding process, meeting a final alternative fuel chlorine
content of 0.16% by weight, maximum. Compliance with this exception shall
be demonstrated in accordance with procedures specified in the
Alternative Fuels QA/QC Plan approved by the Department.

4. Trigen-Syracuse is limited to combusting no more
than 30 percent by weight alternative fuel on a facility-wide daily
basis. The daily total fuel and alternative fuel consumption shall be
determined in accordance with procedures specified in the Fuel
Consumption Monitoring Plan approved by the Department.

5. Each boiler capable of firing alternative fuel
(Boilers 3, 4 or 5) is limited to a maximum alternative fuel firing rate of
no more than

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9500 lb/hr, determined as a two-hour average. The alternative fuel firing rate shall be determined in accordance with procedures specified in the Fuel Consumption Monitoring Plan approved by the Department. The maximum alternative fuel firing rate may be increased in the future provided emission testing indicates acceptable emissions at the higher rate. Such testing must be performed in accordance with a stack test protocol approved by the Department and within 90 days of exceeding the 9500 lb/hr firing rate.

6. The oil igniter for the alternative fuel burner in each boiler in this process must be operating during all periods that alternative fuel is co-fired. Operational status of oil igniters shall be logged during co-firing and the logs shall be maintained on site. Any change in the design or operation of the current oil ignitor used during the stack test will require retesting within 90 days of such change. This retest shall be performed in accordance with a stack test protocol approved by the Department.

7. Trigen-Syracuse must install and operate a continuous emissions monitor to measure carbon monoxide concentrations in the exhaust stack during co-firing of alternative fuel, as an indicator of good combustion. This monitoring system shall meet the installation requirements of 40 CFR 60 Appendix B, and the QA/QC requirements of 40 CFR 60 Appendix F. Trigen-Syracuse shall submit a CO monitoring plan to the Department within 30 days of September 28, 2001, and shall install and certify the CO monitoring system within 120

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days of
September 28, 2001.

while burning
8. Trigen-Syracuse shall perform a dioxin stack test
alternative fuel fluff and while burning coal only
(baseline) within
120 days of September 28, 2001. This alternative fuel
stack test
shall be performed at the maximum firing rate of
alternative fuel.
The alternative fuel dioxin stack test results will be
compared to
baseline test values obtained while burning coal only.
This stack
test shall performed in accordance with a written
protocol approved by
the Department. The stack test protocol shall be
submitted to the
Department for review at least 60 days prior to testing.

of the planned
Trigen-Syracuse shall notify the Department in writing
date.
start date for testing at least 30 days prior to such

Trigen shall
9. Within 60 days of the effective date of this permit,
provide a "Combustion Monitoring Plan" to the Department
that
identifies how the facility will continuously monitor
combustion
performance while burning alternative fuel. The plan
will address how
the stack CO data will be used to monitor combustion,
and what steps
will be taken to address elevated levels of CO. The
plan will define
what constitutes elevated levels of CO emissions, and
provide the
basis for this determination. The plan is subject to
Department
approval.

6NYCRR 225-1.2(a)(2)
Emission Unit: U00BLR Emission Point: 00001 Process:
COA



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Reason: Pursuant to 6 NYCRR 225-1.5(b), the facility applied for an equivalent stack emission limit (1.2 lb/mmBtu) for regulating SO₂ emissions from the stack. The basis for the request was that the facility is continuously monitoring SO₂ emissions from the stack on a real time basis, which is a preferable compliance monitoring method. The Department approved this request on 12/11/00.

Condition 33: Permit requirements.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-1.6

Item 33.1: The NO_x authorized account representative of each NO_x budget unit shall submit to the Department a complete NO_x Budget permit application (as defined under Section 204-3.3) by May 1, 2002 or 12 months before the date on which the NO_x Budget unit commences operation.

Condition 34: Submissions to the Department.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-2.1

Item 34.1: Each submission under the NO_x Budget Trading Program shall be submitted, signed and certified by the NO_x authorized account representative for each NO_x Budget source on behalf of which the submission is made. Each submission shall include a certification statement (as stated in paragraph 204-2.1(e)(1)) by the NO_x authorized account representative.

Condition 35: Contents of reports and compliance certifications.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 35.1: The NO_x authorized account representative shall include in the compliance certification report the following elements, in a format prescribed by the Administrator, concerning each unit at the source and subject to the NO_x Budget emissions limitation for the control period covered by the report:

- (1) Identification of each NO_x Budget unit; and
- (2) In the compliance certification report the NO_x authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NO_x Budget units at the source in compliance with the NO_x Budget Trading Program, whether each NO_x



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Budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the requirements of the NOx Budget Trading Program applicable to the unit, including:

- (i) Whether the unit was operated in compliance with the NOx Budget emissions limitation;
- (ii) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains all information necessary to attribute NOx emissions to the unit, in accordance with Subpart 204-8;
- (iii) Whether all the NOx emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with Subpart 204-8. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made;
- (iv) Whether the facts that form the basis for certification under Subpart 204-8 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under Subpart 204-8, if any, has changed; and
- (v) If a change is required to be reported under item (iv) above, specify the nature of the change, the reason for the change, when the change occurred, and how the unit's compliance status was determined subsequent to the change, including what method was used to determine emissions when a change mandated the need for monitor recertification.

Condition 36: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-4.1

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each control period in which one or more NOx Budget units at a source are subject to the NOx Budget emissions limitation, the NOx authorized account representative of the source shall submit to the Department and the Administrator by November 30 of that year, a compliance certification report for each source covering all such units.

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 37: Submission of NOx allowance transfers.
Effective between the dates of 07/17/2002 and 07/17/2007

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Applicable Federal Requirement: 6NYCRR 204-7.1

Item 37.1: The NO_x authorized account representatives seeking recordation of a NO_x allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NO_x allowance transfer shall include the following elements in a format specified by the Administrator:

- (a) The numbers identifying both the transferor and transferee accounts;
- (b) A specification by serial number of each NO_x allowance to be transferred; and
- (c) The printed name and signature of the NO_x authorized account representative of the transferor account and the date signed.

Condition 38: General provisions.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 38.1: The owners and operators, and to the extent applicable, the NO_x authorized account representative of a NO_x Budget unit, shall comply with the monitoring and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in Section 204-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be replaced by the terms "NO_x Budget unit," "NO_x authorized account representative," and "continuous emission monitoring system" (or "CEMS"), respectively, as defined in Section 204-1.2.

Condition 39: Prohibitions.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 39.1: No owner or operator of a NO_x Budget unit or a non-NO_x Budget unit monitored under 40 CFR 75.72(b)(2)(ii) shall:

- (1) use any alternative monitoring system, alternative reference method, or any other alternative for the required continuous emission monitoring system without having obtained prior written approval in accordance with Section 204-8.6;
- (2) operate the unit so as to discharge, or allow to be discharged, NO_x emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74;
- (3) disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO_x mass emissions discharged into the atmosphere, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75 except as provided for in 40 CFR 75.74; and
- (4) permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved emission monitoring system under this Subpart, except under any one of the following circumstances:



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- (i) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the Department for use at that unit that provides emission data for the same pollutant or parameter as the discontinued monitoring system; or
- (ii) The NO_x authorized account representative submits notification of the date of certification testing of a replacement monitoring system in accordance with Paragraph 204-8.2(b)(2).

Condition 40: Requirements for installation, certification, and data accounting.

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-8.1

Item 40.1: The owner or operator of each NO_x Budget unit must meet the following requirements. These provisions also apply to a unit for which an application for a NO_x Budget opt-in permit is submitted and not denied or withdrawn, as provided in Subpart 204-9:

- (1) Install all monitoring systems required under this Subpart for monitoring NO_x mass. This includes all systems required to monitor NO_x emission rate, NO_x concentration, heat input, and air or fuel flow, in accordance with 40 CFR 75.71 and 75.72.
- (2) Install all monitoring systems for monitoring heat input, if required under Section 204-8.7 for developing NO_x allowance allocations.
- (3) Successfully complete all certification tests required under Section 204-8.2 and meet all other provisions of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraphs (a)(1) and (2) of this section.
- (4) Record and report data from the monitoring systems under paragraphs (a)(1) and (2) of this section.

Condition 41: Requirements for recertification of monitoring systems.

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-8.2

Item 41.1: Whenever the owner or operator makes a replacement, modification, or change in a certified monitoring system that the Administrator or the Department determines significantly affects the ability of the system to accurately measure or record NO_x mass emissions or heat input or to meet the requirements of 40 CFR 75.21 or Appendix B to 40 CFR Part 75, the owner or operator shall recertify the monitoring system according to 40 CFR 75.20(b). Furthermore, whenever the owner or operator makes a replacement, modification, or change to the flue gas handling system or the unit's operation that the Administrator or the Department determines to significantly change the flow or concentration profile, the owner or operator shall recertify the continuous emissions monitoring system according to 40 CFR 75.20(b). Examples of changes which require recertification include: replacement of the analyzer, change in location or orientation of the sampling probe or site, or changing of flow rate monitor polynomial coefficients.

Condition 42: Out of control periods.

Effective between the dates of 07/17/2002 and 07/17/2007

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Applicable Federal Requirement: 6NYCRR 204-8.3

Item 42.1: Whenever any monitoring system fails to meet the quality assurance requirements of Appendix B of 40 CFR Part 75, data shall be substituted using the applicable procedures in Subpart D, Appendix D, or Appendix E of 40 CFR Part 75.

Condition 43: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-8.4

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: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Authorized Account Representative for a NO_x Budget unit shall submit written notice to the Department and the USEPA Administrator in accordance with the requirements of this subpart as follows:

All monitoring plans or monitoring plan modifications; compliance certifications, recertifications and quarterly QA/QC reports; and, petitions for alternative monitoring, shall be submitted to the USEPA Administrator (or his/her representatives) as well as two copies to the Department (one copy to the Regional Air Pollution Control Engineer (RAPCES) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office. All Authorized Account Representative changes shall be sent to the NYSDEC central office.

All quarterly emission data shall be electronically filed with the USEPA Clean Air Markets Division with a copy (disc or hard copy) to the NYSDEC offices.

The address for the USEPA Administrator is as follows:

USEPA Clean Air Markets Division
401 M Street SW (6204J)
Washington D.C. 20460

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CEM Coordinator
USEPA-Region 2
2890 Woodbridge Avenue
Edison, N.J. 08837

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring and Enforcement
625 Broadway, 2nd Floor
Albany N.Y. 12233-3258

AAR changes should be sent to the attention of:

NYSDEC
Stationary Source Planning Section
Bureau of Air Quality Planning
625 Broadway, 2nd Floor
Albany NY 12233-3251

The address for the RAPCE is as follows:

615 Erie Boulevard, West
Syracuse, NY 13204-2400

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 44: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 204-8.7

Item 44.1:

The Compliance Certification activity will be performed for the Facility.

Item 44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a unit that elects to monitor and report NO_x Mass emissions using a NO_x concentration system and a flow system shall also monitor and report heat input at the unit level using the procedures set forth in 40 CFR Part 75.



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Monitoring Frequency: HOURLY
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 10/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 45: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 207

Item 45.1:

The Compliance Certification activity will be performed for the Facility.

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Trigen-Syracuse shall submit a proposed episode action plan to the Commissioner within 90 days of his request therefor. The plan shall contain detailed steps which will be taken by Trigen-Syracuse to reduce air contaminant emissions during each stage of an air pollution episode. The Commissioner shall make available and furnish with his request therefore, guidelines for preparation of episode action plans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 48: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 48.1:

The Compliance Certification activity will be performed for the Facility.

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Part 225-1.7(c) requires that measurements must be made



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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 1/30/2003.

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

Condition 49: Authorized Account Representatives (AARs)
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-3.12

Item 49.1: Each budget source must designate an AAR, and may designate an alternate AAR, for each compliance account and compliance overdraft account.

Condition 50: General provisions for emissions monitoring.
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-3.13

Item 50.1: The owner and/or operator of each budget source subject to this Subpart must comply with the following requirements, as applicable:

(1) NO_x mass emissions from each budget source shall be monitored as specified in both this Section and the Guidance Document, (The January 28, 1997 document issued by the Ozone Transport Commission titled "Guidance for Implementation of Emission Monitoring Requirements for the NO_x Budget Program" as well as attendant and incorporated documents including the July 3, 1997 document issued by the OTC titled "NO_x Budget Program Monitoring Certification and Reporting Requirements" and the July 3, 1997 document issued by the Administrator titled "Electronic Data Reporting, Acid Rain Program/NO_x Budget Program."

(2) A monitoring plan for each existing budget source must be submitted to the Department in accordance with the procedures, but not the deadlines, outlined in the Guidance Document. The monitoring plan must be submitted within 30 days of the effective date of this Subpart.

(3) Emissions monitoring systems required by this Section shall be installed, operational and meet all of the certification testing requirements in accordance with the procedures outlined in the Guidance Document by May 1, 1999 or the first hour that the budget source is operating during a control period.

(4) Monitoring systems are subject to initial performance testing and periodic calibration, accuracy testing



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and quality assurance/quality control testing as specified in the Guidance Document.

(5) During a period when valid data are not being recorded by monitoring devices approved for use to demonstrate compliance with this Subpart, missing or invalid data shall be replaced with representative default data in accordance with the provisions of 40 CFR Part 75 and the Guidance Document.

(6) NOx emissions data shall be reported to the NETS in accordance with provisions of Section 227-3.15.

(7) Budget sources that commence operation during the allocation period shall begin reporting data in the first hour that the budget source is operating during a control period.

Condition 51: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-3.15

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:

This budget source must submit to the Administrator, in a format which meets the requirements of the Administrator's Electronic Data Reporting convention, information regarding emissions and operations during each calendar quarter of each year in accordance with the procedures specified in the Guidance Document.

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 10/30/2002.

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

Condition 52: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-3.16

Item 52.1:

The Compliance Certification activity will be performed for the Facility.

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Regulated Contaminant(s):

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(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.



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(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 53: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-3.17

Item 53.1:

The Compliance Certification activity will be performed for the Facility.

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

Item 53.2:

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.

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- (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 (NO_x Allowance Tracking System) regarding allowance deductions and transfers for the budget source;
- (3) examining information contained in the NETS (NO_x Emission Tracking System) regarding NO_x 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 55: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

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Applicable Federal Requirement: 40CFR 72, Subpart A

Item 55.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

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

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 30 days of the effective date of this permit,
Trigen-Syracuse shall petition the EPA pursuant to 40 CFR
72.6 for a formal applicability determination with respect
to the Federal Acid Rain provisions of the Clean Air Act.
A copy of the petition shall be sent to the NYSDEC Region
7 office at the time that the petition is made.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 3-10: Recycling and emissions reduction.

Effective between the dates of 05/24/2005 and 07/17/2007

Applicable Federal Requirement: 40CFR 82

Item 3-10.1: The permittee shall comply with all applicable provisions of 40 CFR Part 82.

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

Condition 57: Emission Point Definition By Emission Unit

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 57.1(From Mod 0):

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

Emission Unit: U-00ASH

Emission Point: 0005A

Height (ft.): 35

Diameter (in.): 6

Building: ASILO

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Emission Point: 0005B

Height (ft.): 35

Diameter (in.): 6

Building: ASILO

Item 57.2(From Mod 0):

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

Emission Unit: U-00BLR

Emission Point: 00001

Height (ft.): 265

Diameter (in.): 156

Building: BAG HS

Item 57.3(From Mod 0):

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

Emission Unit: U-0COAL

Emission Point: 0006A

Height (ft.): 55

Diameter (in.): 6

Building: BLR HS

Emission Point: 0006B

Height (ft.): 55

Diameter (in.): 6

Building: BLR HS

Condition 58: Process Definition By Emission Unit

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 58.1(From Mod 3):

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

Emission Unit: U-00BLR

Process: ALT

Source Classification Code: 1-01-012-01

Process Description:

Boilers #3, #4 and/or #5 combusting up to 30% by weight alternative fuel fluff processed from pre-consumer, non-recyclable, non-reusable, non-contaminated plastic coated paper, wax coated paper, paper, fibrous material and low chlorine content (less than 1% dry weight as received) plastic film. Demonstration that this is the only type of alternative fuel fired shall be in accordance with the Alternative Fuels QA/QC Plan approved by the Department.

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Emission Source/Control: 0BLRS - Combustion
Design Capacity: 275 million Btu per hour

Emission Source/Control: 0BAGH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0SPDA - Control
Control Type: DRY LIME INJECTION

Item 58.2(From Mod 3):

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

Emission Unit: U-00BLR

Process: BIO

Source Classification Code: 1-01-007-01

Process Description:

Burning of boigas generated from the Solvay Paperboard wastewater treatment facility. The biogas is scrubbed at the wastewater treatment plant for removal of H₂S prior to combustion at the Trigen facility.

Emission Source/Control: 0BLRS - Combustion
Design Capacity: 275 million Btu per hour

Emission Source/Control: 0BAGH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0SPDA - Control
Control Type: DRY LIME INJECTION

Item 58.3(From Mod 3):

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

Emission Unit: U-00BLR

Process: CCO

Source Classification Code: 1-03-002-14

Process Description:

ANY NUMBER OF SIX BOILERS FIRING
PULVERIZED BITUMINOUS COAL WITH A SULFUR
CONTENT LESS THAN OR EQUAL TO 0.60 LB
SULFUR PER MILLION BTU, OR THAT ACHIEVES A
STACK EMISSION LIMIT LESS THAN OR EQUAL TO
1.20 POUNDS SO₂ PER MILLION BTU WITHOUT
THE SCRUBBER OPERATING.

Emission Source/Control: 0BLRS - Combustion
Design Capacity: 275 million Btu per hour

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Emission Source/Control: 0BAGH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0SPDA - Control
Control Type: DRY LIME INJECTION

Item 58.4(From Mod 3):

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

Emission Unit: U-00BLR

Process: COA

Source Classification Code: 1-03-002-14

Process Description:

ANY NUMBER OF SIX BOILERS FIRING
PULVERIZED BITUMINOUS COAL THAT CONTAINS
SULFUR IN EXCESS OF 0.60 POUNDS PER MILLION
BTU, OR THAT WOULD RESULT IN A STACK
EMISSION RATE IN EXCESS OF 1.20 POUNDS PER
MILLION BTU IN THE ABSENCE OF SCRUBBING.
THE FLUE GAS EXHAUST PASSES THROUGH A SPRAY
DRY ABSORBER AND A FABRIC FILTER BAGHOUSE.

Emission Source/Control: 0BLRS - Combustion
Design Capacity: 275 million Btu per hour

Emission Source/Control: 0BAGH - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0SPDA - Control
Control Type: DRY LIME INJECTION

Item 58.5(From Mod 3):

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

Emission Unit: U-00BLR

Process: OIL

Source Classification Code: 1-02-005-01

Process Description:

ANY NUMBER OF SIX BOILERS FIRING #2 FUEL
OIL FOR BOILER STARTUP, LOW LOAD OPERATION
AND/OR FLAME STABILIZATION. THE FLUE GAS
EMISSIONS PASS THROUGH A SPRAY DRY ABSORBER
AND FABRIC FILTER BAGHOUSE.

Emission Source/Control: 0BLRS - Combustion
Design Capacity: 275 million Btu per hour

Emission Source/Control: 0BAGH - Control
Control Type: FABRIC FILTER

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Emission Source/Control: OSPDA - Control
Control Type: DRY LIME INJECTION

Item 58.6(From Mod 0):

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

Emission Unit: U-00ASH
Process: MIS
Source Classification Code: 3-05-009-05
Process Description:
THE FLY ASH CONVEYING SYSTEM INCLUDES TWO
PNEUMATIC SYSTEMS THAT TRANSFER FLY ASH
FROM THE BOILER EXHAUST BAGHOUSE TO AN ASH
SILO.

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

Emission Source/Control: ASHTR - Process

Item 58.7(From Mod 0):

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

Emission Unit: U-0COAL
Process: BNK
Source Classification Code: 3-05-010-43
Process Description:
COAL BUNKER BAGHOUSE USED TO CONTROL DUST
EMISSIONS FROM THE COAL STORAGE BUNKERS.
TRAPPED COAL DUST FROM THE BAGHOUSE IS
RECYCLED BACK TO PROCESS (COAL BUNKERS).

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

Emission Source/Control: UNLOD - Process

Item 58.8(From Mod 0):

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

Emission Unit: U-0COAL
Process: CRU
Source Classification Code: 3-05-010-11
Process Description:
THE COAL CRUSHER/CONVEYING SYSTEM
TRANSFERS COAL FROM UNLOADING SYSTEM TO
EITHER BOILER BUILDING OR TO COAL STORAGE
PILE. AS COAL IS TRANSFERRED TO BOILER
BUILDING, IT PASSES THROUGH A METAL REMOVAL



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MAGNET AND THEN THROUGH A CRUSHER. THE CRUSHER ALSO CONTAINS A WATER/SURFACTANT SPRAYER FOR DUST SUPPRESSION, AS NEEDED.

Emission Source/Control: DETER - Control
Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: CRUSH - Process

Item 58.9(From Mod 0):

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

Emission Unit: U-0COAL

Process: UNL

Source Classification Code: 3-05-010-11

Process Description:

UNLOADING OF RAILROAD CARS AND TRANSFERRING COAL FROM STORAGE PILE TO CONVEYING SYSTEM. A MIXTURE OF WATER AND SURFACTANT IS USED FOR DUST SUPPRESSION, AS NEEDED.

Emission Source/Control: DETER - Control
Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: UNLOD - Process

**Condition 59: Episode action plans.
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 6NYCRR 207.3(d)

Item 59.1:

This Condition applies to Emission Unit: U-00ASH

Item 59.2:

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

**Condition 60: Compliance dates for new and reconstructed sources
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.6(b)(2), Subpart A

Item 60.1:

This Condition applies to Emission Unit: U-00ASH



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Item 60.2:

Except as provided in paragraphs (b)(3) and (b)(4) of this section, the owner or operator of a new or reconstructed source that has a initial startup date after the effective date of a relevant standard established under this part pursuant to section 112(d), 112(f), or 112(h) of the Act shall comply with such standard upon startup of the source

Condition 61: Episode action plans.

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 207.3(d)

Item 61.1:

This Condition applies to Emission Unit: U-00BLR

Item 61.2:

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

Condition 3-11: Compliance Certification

Effective between the dates of 05/24/2005 and 07/17/2007

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

Item 3-11.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 3-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The facility has been granted an equivalent emission rate variance from the limitations in 6NYCRR 225-1. This condition applies regardless of the operational status of the spray dry adsorber (Source/Control OSPDA), but does not waive the requirement to also comply with 40 CFR 60.14 when the spray dry adsorber is operational.

Emissions of sulfur dioxide emissions shall not exceed 1.20 pounds SO₂ per million Btu heat input, on a 24 hour block basis. Compliance shall be determined using a



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continuous emissions monitor meeting the requirements of 40 CFR 60.13, 40 CFR Part 60 Appendix B and Appendix F. Daily average emissions shall be calculated using Equation 19-20a of EPA Method 19 (40 CFR Part 60, Appendix A).

On a calendar quarter basis, the owners or operators shall submit to the DEC a report of the periods of excess emissions. Such report shall state the date and time of when the period of excess emission begins and ends, the average magnitude during each clock hour in that period of excess emissions, the cause of the excess emissions and the corrective action. The report shall also include the results of quarterly and annual audits conducted on the continuous emission monitor system.

Manufacturer Name/Model Number: CSI Model SA-700

Upper Permit Limit: 1.20 pounds per million Btus

Reference Test Method: 40 CFR Part 60, Appendix A, Method 19

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR BLOCK AVERAGE (ARITHMETIC MEAN)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

Condition 62: Testing, monitoring, and reporting requirements for very large boilers.

Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 62.1:

This Condition applies to Emission Unit: U-00BLR

Item 62.2:

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

Condition 63: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 231-2.6(a)(7)

Item 63.1:

The Compliance Certification activity will be performed for:

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Emission Unit: U-00BLR

Regulated Contaminant(s):

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

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Total NOx emissions from this emission unit shall not exceed 1552 tons/year as calculated on a monthly rolling basis. This limit was established pursuant to the creation of Emission Reduction Credits by the source owner.

Manufacturer Name/Model Number: CSI Model 1600

Upper Permit Limit: 1552 tons per year

Reference Test Method: NOX CEMS

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 8/14/2003.

Subsequent reports are due every 12 calendar month(s).

Condition 3-12: Compliance Certification

Effective between the dates of 05/24/2005 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 257-1

Item 3-12.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR

Item 3-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall not operate more than one pulverizer per boiler upon startup, nor more than two pulverizers total on startup when the spray dry absorber is not operating.



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The facility shall submit to the DEC on an annual calendar year basis whether it has complied with this requirement. Additionally, if the owner or operator has violated this condition, the owner or operator shall submit a report to the DEC within 30 days of such occurrence.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 8/14/2005.

Subsequent reports are due every 12 calendar month(s).

Condition 3-13: Compliance Certification

Effective between the dates of 05/24/2005 and 07/17/2007

Applicable Federal Requirement: 40CFR 60.14, NSPS Subpart A

Item 3-13.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 3-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This condition applies when the spray dry adsorber (Source/Control OSPDA) is operational.

Sulfur dioxide emissions shall not exceed 1.10 pounds SO₂ per million Btu heat input, on a 24 hour block basis. Compliance shall be determined using a continuous emissions monitor meeting the requirements of 40 CFR Part 60.13, 40 CFR Part 60 Appendix B and Appendix F. Daily average emissions shall be calculated using Equation 19-20a of EPA Method 19 (40 CFR Part 60, Appendix A).

On a calendar quarter basis, the owners or operators shall submit to the DEC a report of the periods of excess emissions. Such report shall state the date and time of when the period of excess emission begins and ends, the

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average magnitude during each clock hour in that period of excess emissions, the cause of the excess emissions and the corrective action. The report shall also include the results of quarterly and annual audits conducted on the continuous emission monitor system.

Manufacturer Name/Model Number: CSI Model SA-700

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 1.10 pounds per million Btus

Reference Test Method: 40 CFR 60 App B/F

Monitoring Frequency: CONTINUOUS

Averaging Method: 24 HOUR DAILY BLOCK (ARITHMETIC AVERAGE)

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

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

**Condition 64: Compliance dates for new and reconstructed sources
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 40CFR 63.6(b)(2), Subpart A

Item 64.1:

This Condition applies to Emission Unit: U-00BLR

Item 64.2:

Except as provided in paragraphs (b)(3) and (b)(4) of this section, the owner or operator of a new or reconstructed source that has a initial startup date after the effective date of a relevant standard established under this part pursuant to section 112(d), 112(f), or 112(h) of the Act shall comply with such standard upon startup of the source

**Condition 66: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007**

Applicable Federal Requirement: 6NYCRR 227-1.3

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:



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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.

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)



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Reports due 60 days after the reporting period.
The initial report is due 11/29/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001

Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2002.

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

Condition 68: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001

Item 68.2:

Compliance Certification shall include the following monitoring:

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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 10/30/2002.

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

Condition 69: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001

Regulated Contaminant(s):

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



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Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions from very large, wall fired coal dry bottom boilers shall not exceed 0.45 lb/mmbtu (daily average during ozone season, 30 day rolling average during non ozone season). Compliance is determined using a NOx Continuous Emissions Monitoring System located in the boiler stack.

Manufacturer Name/Model Number: CSI Model 1600

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.45 pounds per million Btus

Reference Test Method: 40 CFR 60 App B/F

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 10/30/2002.

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

Condition 70: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 227-1.2(a)(3)

Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001

Process: COA

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

particulate emission limit for very large boilers firing solid fuels.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per million Btus



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Reference Test Method: EPA RM 5

Monitoring Frequency: UPON PERMIT RENEWAL

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 71: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 200.7

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001

Process: COA Emission Source: 0BAGH

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THE FACILITY SHALL MAINTAIN A BAGHOUSE MAINTENANCE LOG BOOK ON SITE THAT DOCUMENTS ALL MONITORING PERFORMED ON THE BAGHOUSE, INCLUDING PARTS REPLACEMENTS, BAG CHANGES, ROUTINE CLEANING AND ANY OTHER MAINTENANCE ACTIVITIES PERFORMED ON THE BAGHOUSE. THE FACILITY SHALL ENSURE THAT ALL RECOMMENDED MANUFACTURER MAINTENANCE PROCEDURES ARE PERFORMED AND DOCUMENTED BY DATE IN THE MAINTENANCE LOG BOOK. TRIGEN SHALL CERTIFY ANNUALLY THAT THE BAGHOUSE HAS BEEN PROPERLY MAINTAINED.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 8/14/2003.

Subsequent reports are due every 12 calendar month(s).

Condition 72: Compliance Certification
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 201-1.8



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Facility DEC ID: 7313200052

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001
Process: COA Emission Source: OBAGH

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 60 days of the effective date of this Title V permit, Trigen- Syracuse shall submit an ash management plan to the Department for approval. This plan shall identify the procedures and equipment used from its generation to its final disposal that ensure that the ash is not reintroduced into the air. Trigen-Syracuse shall include a compliance statement in the annual and semi-annual compliance reports submitted to the Department that the ash management plan has been adhered to.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 8/14/2003.

Subsequent reports are due every 12 calendar month(s).

Condition 73: Episode action plans.

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 207.3(d)

Item 73.1:

This Condition applies to Emission Unit: U-0COAL

Item 73.2:

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

Condition 74: Compliance dates for new and reconstructed sources

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 40CFR 63.6(b)(2), Subpart A

Item 74.1:

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This Condition applies to Emission Unit: U-0COAL

Item 74.2:

Except as provided in paragraphs (b)(3) and (b)(4) of this section, the owner or operator of a new or reconstructed source that has a initial startup date after the effective date of a relevant standard established under this part pursuant to section 112(d), 112(f), or 112(h) of the Act shall comply with such standard upon startup of the source

Condition 75: Compliance Certification

Effective between the dates of 07/17/2002 and 07/17/2007

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-0COAL Emission Point: 0006A

Process: UNL

Item 75.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

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: ONCE / BATCH OR MONITORING OCCURRENCE



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 76: Contaminant List
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: ECL 19-0301

Item 76.1:



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

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 77: Unavoidable noncompliance and violations
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 201-1.4

Item 77.1:

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



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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 81: Air pollution prohibited
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 211.2

Item 81.1:

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 82: Compliance Demonstration
Effective between the dates of 07/17/2002 and 07/17/2007

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

Item 82.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001

Item 82.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:



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Permit ID: 7-3132-00052/00020

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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 10/30/2002.
Subsequent reports are due every 3 calendar month(s).

Condition 83: Compliance Demonstration
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 617.11(d)

Item 83.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001
Process: COA

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Total coal fired at the facility shall not exceed 438,000 tons/year on a calendar year basis.



New York State Department of Environmental Conservation

Permit ID: 7-3132-00052/00020

Facility DEC ID: 7313200052

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: BITUMINOUS COAL
Upper Permit Limit: 438,000 tons per year
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: CALENDAR YEAR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 45 days after the reporting period.
The initial report is due 8/14/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 84: Compliance Demonstration
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 617.11(d)

Item 84.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00BLR Emission Point: 00001
Process: COA

Item 84.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Total heat input to the facility shall not exceed 1,250
mmBtu/hour on a one hour block basis. Compliance shall be
based upon monitoring of steam flow and applying the most
current measured boiler efficiency..

Parameter Monitored: HEAT INPUT
Upper Permit Limit: 1,250 million Btu per hour
Monitoring Frequency: CONTINUOUS
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 85: Compliance Demonstration
Effective between the dates of 07/17/2002 and 07/17/2007

Applicable State Requirement: 6NYCRR 617.11(d)

Item 85.1:

The Compliance Demonstration activity will be performed for:



New York State Department of Environmental Conservation

Permit ID: 7-3132-00052/00020

Facility DEC ID: 7313200052

Emission Unit: U-00BLR Emission Point: 00001
Process: COA

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

Item 85.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate emissions shall not exceed 0.05 lb/mmBtu.
Compliance shall be demonstrated by stack testing
performed at least once during the term of the permit, and
upon request by the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 pounds per million Btus

Reference Test Method: EPA RM 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY