



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 8-2614-00205/01827
Mod 0 Effective Date: 02/20/2003 Expiration Date: 02/20/2008

Mod 1 Effective Date: 11/24/2004 Expiration Date: 02/20/2008

Mod 2 Effective Date: 01/09/2007 Expiration Date: 02/20/2008

SAPA Extended Begin Date: 02/21/2008

Permit Issued To: EASTMAN KODAK CO
343 STATE ST
ROCHESTER, NY 14650

Contact: JEFFREY R NEFF
EASTMAN KODAK COMPANY
1669 LAKE AVE
ROCHESTER, NY 14652-4778
(585) 722-2157

Facility: KODAK PARK DIVISION
1669 LAKE AVE
ROCHESTER, NY 14650

Contact: MARK E MILES
HS&E - KODAK PARK
1669 LAKE AVE - BLDG 56
ROCHESTER, NY 14652-4543
(585) 722-4727

Description:

Modification of the Title V Facility Permit for the Kodak Park boilers, to authorize major equipment changes to Boilers 42 and 43 in Building 321. This is the second modification of this Title V Permit, originally issued 2/20/03, and modified to incorporate minor changes effective 11/24/04. This modified Permit covers the three combustion equipment Emission Units at Kodak Park and is a separate from the Title V Permit regulating Kodak Park manufacturing processes. Kodak's combustion units in this permit are operated by Duke Energy, Suez-DEGS of Rochester LLC, formerly known as Trigen-Cinergy Solutions of Rochester (TCS).

This Permit authorizes modification of the cyclone furnace re-entrant throat and intake air controls and other system modifications to improve the combustion process and NOx control reburn system. The changes will allow for a lower percentage of natural gas needed for the reburn system compared to the amount of coal burned, allowing more coal to substitute for some of the natural gas to achieve the same heat input. Facility emission limits are unchanged.

To avoid requirements of 40 CFR 52.21 Prevention of Significant Deterioration, this permit includes



conditions to restrict the amount of coal burned in Boilers 13 and 14 to 20,000 tons per year each, sufficient to offset the net emissions increase due to boiler 42 and 43 modifications to less than Federal PSD thresholds.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

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

Authorized Signature: _____ Date: ___ / ___ / _____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

Condition 3: Relationship of this Permit to Other Department Orders and Determinations

Applicable State Requirement: ECL 3-0301.2(m)

Item 3.1:

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: 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, modifications and transfers

Applicable State Requirement: 6NYCRR 621.11

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:

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

Condition 4: Applications for Permit Renewals and Modifications

Applicable State Requirement: 6NYCRR 621.13

Item 4.1:

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

Item 4.2:

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

Item 4.3:

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

Condition 2-2: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6NYCRR 621.13

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 5: Permit Modifications, Suspensions and Revocations by the Department

Applicable State Requirement: 6NYCRR 621.14

Item 5.1:

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



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

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

Condition 6: Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.5(a)

Item 6.1:

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

NYSDEC Regional Permit Administrator
Region 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(716) 226-2466

Condition 2-3: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

Applicable State Requirement: 6NYCRR 621.6(a)

Item 2-3.1:

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

NYSDEC Regional Permit Administrator
Region 8 Headquarters
Division of Environmental Permits
6274 Avon-Lima Road
Avon, NY 14414-9519
(716) 226-2466



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: EASTMAN KODAK CO
343 STATE ST
ROCHESTER, NY 14650

Facility: KODAK PARK DIVISION
1669 LAKE AVE
ROCHESTER, NY 14650

Authorized Activity By Standard Industrial Classification Code:
3861 - PHOTOGRAPH EQUIPMENT & SUPPLIES

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Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 8 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 2-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 2-2 6NYCRR 201-6.5(a)(7): Fees
- 5 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 6 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 1-2 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 1-1 6NYCRR 201-6.5(e): Compliance Certification
- 9 6NYCRR 202-2.1: Compliance Certification
- 10 6NYCRR 202-2.5: Recordkeeping requirements
- 2-3 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 2-4 6NYCRR 200.7: Maintenance of Equipment
- 2-5 6NYCRR 201-1.7: Recycling and Salvage
- 2-15 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 2-6 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 2-7 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 2-8 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 2-9 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 2-10 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 2-11 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 2-12 6NYCRR 202-1.1: Required Emissions Tests
- 2-13 6NYCRR 211.3: Visible Emissions Limited
- 1-3 40CFR 68: Accidental release provisions.
- 14 40CFR 68: Accidental release provisions.
- 15 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 1 6NYCRR 200.3: False statement
- 2-14 6NYCRR 201-1.1(b): Operation of Combustion Installation Units by Duke Energy SUEZ-DEGS of Rochester, L.L.C.
- 3 6NYCRR 201-6: Emission Unit Definition
- 2-16 6NYCRR 201-6.5(f): Compliance Certification



- 2-17 6NYCRR 201-6.5(g): Non Applicable requirements
- 2-18 6NYCRR 204-4.1: Contents of reports and compliance certifications.
- 2-19 6NYCRR 204-7.1: Submission of NO_x allowance transfers.
- 2-20 6NYCRR 204-8.1: Reference to 40CFR and list of requirements.
- 2-21 6NYCRR 204-8.2: Requirements for recertification of monitoring systems.
- 2-22 6NYCRR 204-8.3: Out of control periods.
- 2-23 6NYCRR 204-8.4: Compliance Certification
- 2-24 6NYCRR 204-8.7: Compliance Certification
- 11 6NYCRR 207: Submittal of Episode Action Plans
- 12 6NYCRR 212.5(e): Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant
- 13 40CFR 60, NSPS Subpart A: Compliance Certification
- 2-25 40CFR 63, Subpart DDDDD: Process Heater and Boiler NESHAP
- 2-26 40CFR 64: Compliance Assurance Monitoring Rule (CAM Rule)

Emission Unit Level

- 16 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 17 6NYCRR 201-6: Process Definition By Emission Unit
- 2-27 6NYCRR 201-7: Process Permissible Emissions

EU=U-00015

- 18 6NYCRR 201-6: Compliance Certification
- 19 6NYCRR 201-6.5(f): Building 321 Boilers Maintenance Mode
- 20 6NYCRR 202-1: Compliance Certification
- 1-4 6NYCRR 204-5.3: Compliance Certification
- 21 6NYCRR 225-1.2(d): Compliance Certification
- 22 6NYCRR 225-1.2(d): Compliance Certification
- 2-28 6NYCRR 225-1.5(a): Compliance Certification
- 2-29 6NYCRR 225-1.5(a): Compliance Certification
- 2-30 6NYCRR 225-1.7: Compliance Certification
- 2-31 6NYCRR 227-1.3(a): Compliance Certification
- 1-8 6NYCRR 227-1.4(b): Compliance Certification
- 34 6NYCRR 227-1.4(c): Stack Monitoring
- 35 6NYCRR 227-1.4(d): Stack Monitoring
- 36 6NYCRR 227-2: Compliance Certification
- 37 6NYCRR 227-2: Compliance Certification
- 38 6NYCRR 227-2: Compliance Certification
- 39 6NYCRR 227-2.6: Compliance Certification
- 2-32 40CFR 64: Compliance Assurance Monitoring Rule (CAM Rule) -Boilers 42 and 43

EU=U-00015,Proc=K07

- 41 6NYCRR 227-2.4(c)(1)(iv): Compliance Certification
- 42 6NYCRR 227.2(b)(1): Compliance Certification

EU=U-00015,Proc=K09

- 52 6NYCRR 227-1.2(a)(4): Compliance Certification
- 53 6NYCRR 227-2.4: Compliance Certification
- 1-9 6NYCRR 227-2.4(a)(2): Compliance Certification
- 55 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.

EU=U-00015,Proc=K09,ES=031AG

- *2-33 6NYCRR 201-7: Capping Monitoring Condition



EU=U-00015,Proc=K09,ES=031AH

*2-34 6NYCRR 201-7: Capping Monitoring Condition

EU=U-00015,Proc=K10

70 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.

EU=U-00015,Proc=K10,ES=031AK

76 6NYCRR 227-1.2(a)(1): Compliance Certification

77 6NYCRR 227-2.4(a)(1): Compliance Certification

EU=U-00015,Proc=K10,ES=031AL

1-10 6NYCRR 227-1.2(a)(1): Compliance Certification

79 6NYCRR 227-2.4(a)(1): Compliance Certification

80 6NYCRR 227-2.4(a)(1): Compliance Certification

EU=U-00015,Proc=K11

90 6NYCRR 227-1.2(a)(4): Compliance Certification

91 6NYCRR 227-2.4(a)(2): Compliance Certification

EU=U-00015,Proc=K11,ES=031AK

92 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.

EU=U-00015,Proc=K12

107 6NYCRR 227-1.2(a)(1): Compliance Certification

108 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.

EU=U-00015,Proc=K13

123 6NYCRR 227-2.4(a)(2): Compliance Certification

124 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.

2-35 40CFR 52.21(r)(6), Subpart A: Compliance Certification

2-36 40CFR 52.21(r)(6), Subpart A: Compliance Certification

2-37 40CFR 52.21(r)(6), Subpart A: Compliance Certification

2-38 40CFR 52.21(r)(6), Subpart A: Compliance Certification

2-39 40CFR 52.21(r)(6), Subpart A: Compliance Certification

EU=U-00015,Proc=K13,ES=321AG

130 6NYCRR 227-1.2(a)(4): Compliance Certification

EU=U-00015,Proc=K13,ES=321AH

131 6NYCRR 227-1.2(a)(4): Compliance Certification

EU=U-00015,Proc=K13,ES=321AI

132 6NYCRR 227-1.2(a)(4): Compliance Certification

EU=U-00015,Proc=K14

142 6NYCRR 227-2.6(a)(1): Testing, monitoring, and reporting requirements for very large boilers.

148 40CFR 52.21, Subpart A: Compliance Certification



STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 197 ECL 19-0301: Contaminant List
- 198 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 199 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

EU=U-00015

- 1-27 6NYCRR 227-1.4(a): Compliance Demonstration
- 1-28 6NYCRR 237-1.4(c)(1): Compliance Demonstration

EU=U-00051,EP=32106

- 204 6NYCRR 212.4(a): Emissions from new emission sources and/or modifications

NOTE: * preceding the condition number indicates capping.



FEDERALLY ENFORCEABLE CONDITIONS

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

Item B: Public Access to Recordkeeping for Title V Facilities - 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 C: 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 D: 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 E: 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 renewal application.

Item F: 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 G: 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 H: 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 I: 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 J: 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 contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR 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 shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

Item L: Permit Exclusion - ECL 19-0305

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



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

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

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

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

**Condition 2-1: Acceptable Ambient Air Quality
Effective between the dates of 01/09/2007 and Permit Expiration Date**

Applicable Federal Requirement:6NYCRR 200.6

Item 2-1.1:

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

**Condition 2-2: Fees
Effective between the dates of 01/09/2007 and Permit Expiration Date**

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

Item 2-2.1:

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

**Condition 5: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 02/20/2003 and Permit Expiration Date**

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

Item 5.1:

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

- (i) The date, place, and time of sampling or measurements;



(ii) The date(s) analyses were performed;

(iii) The company or entity that performed the analyses;

(iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;

(v) The results of such analyses including quality assurance data where required; and

(vi) The operating conditions as existing at the time of sampling or measurement.

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

Condition 6: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 6.1:

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 1-2: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

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

Replaces Condition(s) 4

Item 1-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible



official for this facility.

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

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

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

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

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

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.



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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 1-1: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

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

Replaces Condition(s) 7



Item 1-1.1:

The Compliance Certification activity will be performed for the Facility.

Item 1-1.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.
- iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary



Source Compliance Section, the Region 2 EPA representative
for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

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

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2004.
Subsequent reports are due on the same day each year

Condition 9: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 202-2.1

Item 9.1:

The Compliance Certification activity will be performed for the Facility.

Item 9.2:

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 10: Recordkeeping requirements
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 202-2.5

Item 10.1:



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

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

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

**Condition 2-3: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 01/09/2007 and Permit Expiration Date**

Applicable Federal Requirement:6NYCRR 215

Item 2-3.1:

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

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

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

**Condition 2-4: Maintenance of Equipment
Effective between the dates of 01/09/2007 and Permit Expiration Date**

Applicable Federal Requirement:6NYCRR 200.7

Item 2-4.1:

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 2-5: Recycling and Salvage
Effective between the dates of 01/09/2007 and Permit Expiration Date**

Applicable Federal Requirement:6NYCRR 201-1.7

Item 2-5.1:

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

Condition 2-15: Prohibition of Reintroduction of Collected Contaminants to the air



Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-1.8

Item 2-15.1:

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

Condition 2-6: Exempt Sources - Proof of Eligibility

Effective between the dates of 01/09/2007 and Permit Expiration Date

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

Item 2-6.1:

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

Condition 2-7: Trivial Sources - Proof of Eligibility

Effective between the dates of 01/09/2007 and Permit Expiration Date

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

Item 2-7.1:

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

Condition 2-8: Standard Requirement - Provide Information

Effective between the dates of 01/09/2007 and Permit Expiration Date

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

Item 2-8.1:

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 2-9: General Condition - Right to Inspect

Effective between the dates of 01/09/2007 and Permit Expiration Date



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

Item 2-9.1:

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

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 2-10: Standard Requirements - Progress Reports
Effective between the dates of 01/09/2007 and Permit Expiration Date**

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

Item 2-10.1:

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 2-11: Off Permit Changes
Effective between the dates of 01/09/2007 and Permit Expiration Date**

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

Item 2-11.1:

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



notice to their copy of the relevant permit.

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

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

Condition 2-12: Required Emissions Tests
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 202-1.1

Item 2-12.1:

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

Condition 2-13: Visible Emissions Limited
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 211.3

Item 2-13.1:

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

Condition 1-3: Accidental release provisions.
Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:40CFR 68

Replaces Condition(s) 14

Item 1-3.1:

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,



Condition 1: False statement
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 200.3

Item 1.1:

No person shall make a false statement in connection with applications, plans, specifications and/or reports submitted pursuant to this Subchapter.

Condition 2-14: Operation of Combustion Installation Units by Duke Energy
SUEZ-DEGS of Rochester, L.L.C.
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-1.1(b)

Replaces Condition(s) 2

Item 2-14.1:

SUEZ-DEGS of Rochester, L.L.C. (S-DEGS), formerly named Trigen Cinergy Solutions of Rochester (TCSOR), the operator of Eastman Kodak Company's combustion installation units, is responsible for compliance and primarily liable for non-compliance with the terms and conditions included in Emission Units U00015, U00035, and U00051 and all requirements of the Environmental Conservation Law and regulations applicable to the processes, emission sources and emission points at Buildings 31 and 321 at Kodak Park Division. Upon submission by Eastman Kodak Company of a corporate resolution or other appropriate documentation demonstrating that Eastman Kodak Company authorizes a duly designated Responsible Official of SUEZ-DEGS of Rochester to sign, execute and/or certify any permit applications, reports and/or certification of statements required to be submitted pursuant to this permit, the Environmental Conservation Law and/or applicable regulations with respect to the processes, emission sources, emission points, at Buildings 31 and 321 at Kodak Park Division, SUEZ-DEGS of Rochester shall be responsible for submission of all such reports, applications, or certifications with respect to the processes, emission sources and emission points at Buildings 31 and 321 at Kodak Park Division. The new name, SUEZ-DEGS of Rochester, shall be substituted for references to Trigen Cinergy Solutions of Rochester (TCSOR) found elsewhere in the conditions of this permit.

Condition 3: Emission Unit Definition
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Item 3.1(From Mod 2):

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

Emission Unit: U-00015

Emission Unit Description:

BUILDING 31 AND 321 STATIONARY COMBUSTION
INSTALLATIONS, INCLUDING PACKAGE AND BUILT
UP BOILERS USED FOR THE GENERATION OF
PROCESS STEAM AND ELECTRICITY

Building(s): 031
321

Item 3.2(From Mod 1):



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

Emission Unit: U-00035

Emission Unit Description:

UTILITIES SUPPLY SIDE MISCELLANEOUS
STORAGE VESSELS

Building(s): 031
321

Item 3.3(From Mod 1):

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

Emission Unit: U-00051

Emission Unit Description:

COAL AND ASH HANDLING SYSTEMS INCLUDING
FUGITIVE EMISSIONS FROM THE KPS COAL PILE
AND EXEMPT ACTIVITIES FROM BUILDING 31

Building(s): 321
M90

Condition 2-16: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

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

Replaces Condition(s) 8

Item 2-16.1:

The Compliance Certification activity will be performed for the Facility.

Item 2-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to maximize operational flexibility at Kodak Park by building into the Title V Permit the capability to make certain changes using a protocol. As provided under 6 NYCRR Part 201-6.5(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.7.

II. Changes Reviewed under the Protocol

The following types of physical changes or changes in the method of operation which otherwise would require a permit modification, may be reviewed under this protocol except as otherwise limited under section III.A.:



1. New emission sources,
2. 6 NYCRR Part 200 "modifications",
3. Emission point relocations, and
4. Changes that otherwise could be handled under the minor permit modification process in 6 NYCRR Part 201-6.7.

III. Protocol

A. Criteria

1. Changes shall be evaluated under this protocol in accordance with the following criteria:

a. All underlying federal and state requirements with which the new or changed emission source must comply must exist in the Title V permit. The new or changed source will be associated with an existing emissions unit, process, emission source or emission point that has the necessary regulatory citations. Existing permit conditions may be amended to reference or include the new or changed emission source and any related information, and/or, subject to DEC approval, new conditions proposed, to provide the appropriate monitoring parameters.

b. Any new or changed emission source shall not be part of a source project that results in a significant net emissions increase that exceeds the NSR thresholds identified in 6 NYCRR Part 231-2 or 40 CFR 52.21. SUEZ-DEGS will submit documentation of major NSR program non-applicability for NYSDEC review and approval consistent with the advance notification provisions of Section III.B. below.

c. The protocol shall not be used to make physical changes or changes in the method of operation of existing emission sources that would require a new federally enforceable cap either to avoid major New Source Review requirements or to address and comply with other Clean Air Act requirements such as RACT. Such changes must be addressed via the significant permit modification provisions.

B. Notification Requirements for Changes Reviewed under Protocol

1. SUEZ-DEGS shall notify the Department in writing at least 30 calendar days in advance of making changes reviewed under the protocol which meet the criteria of A.1. a-d, above.

2. Notifications made in accordance with this protocol



will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources, and emission points affected by the proposed change with applicable revisions shown in a revised Emission Unit Matrix;

b. Description of the proposed change;

c. If appropriate, the identification and description of emissions control technology and compliance terms;

d. Documentation of the project's or emission source's compliance with respect to all state and/or federally applicable requirements according to an established procedure which includes the following steps:

i. For new emission sources, identify all contaminants and calculate the emission rate potential and maximum projected actual annual emission rates after the proposed change. For changes to existing emission sources, emission rate potential and maximum projected actual annual emission rates shall be provided for all contaminants affected by the change.

ii. Indicate the environmental rating for each contaminant identified in III.B.1.d.i as previously established by the Department or proposed based on the current DAR-1 Ambient Guideline Concentration Table or toxicological review.

iii. Provide the rationale for determining that major NSR does not apply which may include: 1) an explanation that the change is not a source project or modification under 40 CFR 52.21, 2) calculations that demonstrate that the emissions increase from the project alone is not significant or, 3) calculations that demonstrate that the net emissions increase for the contemporaneous period is not significant.

iv. Model facility-wide emissions, including emissions from the proposed project, using the approved dispersion model known as the Kodak Air Resources Evaluation System (KARES) or another model approved in advance by the Department. Maximum projected actual annual emission rates consistent with current permitting will be used in the model.

v. Identify and evaluate the applicability of all regulations likely to be triggered by the new or changed emission source, using the emissions information, environmental ratings, modeling results and knowledge of operations.



e. Any other relevant information used for the evaluation of the proposed project or emission source under the Protocol.

C. Review and Approval of Changes

1. SUEZ-DEGS will be permitted to proceed with the change 30 days from the Department's receipt of the notification or upon prior Departmental approval, whichever is first, unless the Department determines that a more detailed review (in accordance with #3 below) or a permit modification (in accordance with #2 below) is required.

2. The Department may require a permit modification, in order to impose new applicable requirements or additional permit conditions if it determines that changes proposed pursuant to notification do not meet the criteria under III.A or that the change may have a significant air quality impact or be otherwise potentially significant under SEQRA (6NYCRR Part 617).

3. The Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the proposed change, which may include potential air quality impacts and/or applicable requirements. The Department's determination shall include a listing of information required for further review, if necessary.

4. The Department shall respond to the permittee in writing with a determination under #2 or 3 above within 15 days of receipt of the notification from the permittee.

D. Additional Compliance Obligations for Changes Made Under this Protocol

1. Upon commencement of the change, SUEZ-DEGS shall comply with all applicable requirements and permit conditions, including any amended or proposed in accordance with III.A.1.a above.

2. SUEZ-DEGS shall provide with the semi-annual monitoring report, a summary of the changes made in accordance with this protocol during the corresponding period and a statement of the compliance status of each.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-17: Non Applicable requirements
Effective between the dates of 01/09/2007 and Permit Expiration Date

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

Item 2-17.1:

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

(From Mod 2) 6NYCRR 231-2.2

Emission Unit: U00015

Reason: The planned project to modify Boilers 42 and 43 and the associated coal use limits to be imposed on Boilers 13 and 14 are not subject to the requirements of 6 NYCRR Part 231 because they do not meet the definition of a "source project" under Part 231-2. There will be no increase in the Maximum Annual Potential (MAP) of NOx or VOC emissions for the boilers involved in this permit modification or Emission Unit U-00015 as a whole. The MAP for EU U-00015 has been established and will remain as follows:

NOx: 8,624.7 tons per year

VOC: 214.1 tons per year

Condition 2-18: Contents of reports and compliance certifications.
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 204-4.1

Replaces Condition(s) 44, 62, 82, 99, 115, 134, 157

Item 2-18.1:

This Condition applies to:

Emission Unit: U00015

Process: K09

Emission Unit: U00015

Process: K10

Emission Unit: U00015

Process: K11

Emission Unit: U00015

Process: K12

Emission Unit: U00015

Process: K13



Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 204-7.1

Replaces Condition(s) 45, 63, 83, 100, 116, 135, 158

Item 2-19.1:

This Condition applies to:

Emission Unit: U00015
Process: K09

Emission Unit: U00015
Process: K10

Emission Unit: U00015
Process: K11

Emission Unit: U00015
Process: K12

Emission Unit: U00015
Process: K13

Emission Unit: U00015
Process: K14

Emission Unit: U00015
Process: K15

Item 2-19.2: The NOx authorized account representatives seeking recordation of a NOx allowance transfer shall submit the transfer to the Administrator. To be considered correctly submitted, the NOx 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 NOx allowance to be transferred; and
- (c) The printed name and signature of the NOx authorized account representative of the transferor account and the date signed.

Condition 2-20: Reference to 40CFR and list of requirements.
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 204-8.1

Replaces Condition(s) 46, 64, 84, 101, 117, 136, 159

Item 2-20.1:

This Condition applies to:

Emission Unit: U00015
Process: K09



Process: K12

Emission Unit: U00015

Process: K13

Emission Unit: U00015

Process: K14

Emission Unit: U00015

Process: K15

Item 2-22.2: 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 2-23: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 204-8.4

Replaces Condition(s) 50, 68, 88, 105, 121, 140, 163

Item 2-23.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015

Process: K09

Emission Unit: U-00015

Process: K10

Emission Unit: U-00015

Process: K11

Emission Unit: U-00015

Process: K12

Emission Unit: U-00015

Process: K13

Emission Unit: U-00015

Process: K14

Emission Unit: U-00015

Process: K15

Item 2-23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Authorized Account Representative for a NOx 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 Quality Assurance (BQA) 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
1200 Pennsylvania Avenue, NW
Mail Code 6204J
Washington D.C. 20460

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

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 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:

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 2-24: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 204-8.7

Replaces Condition(s) 51, 69, 89, 106, 122, 141, 164

Item 2-24.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-00015

Process: K09

Emission Unit: U-00015

Process: K10

Emission Unit: U-00015

Process: K11

Emission Unit: U-00015

Process: K12

Emission Unit: U-00015

Process: K13

Emission Unit: U-00015

Process: K14

Emission Unit: U-00015

Process: K15

Item 2-24.2:

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 NOx Mass emissions using a NOx 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.

Monitoring Frequency: HOURLY

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 11: Submittal of Episode Action Plans

Effective between the dates of 02/20/2003 and Permit Expiration Date



Applicable Federal Requirement:6NYCRR 207

Item 11.1:

An episode action plan must be submitted for approval by the Department in accordance with the requirements of 6NYCRR Part 207. The plan shall contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

Condition 12: Sources meeting Federal requirements, satisfy Part 212 compliance for regulated contaminant Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.5(e)

Item 12.1:

A process emission source, subject to the Federal new source performance standards in 40 CFR Part 60, the national emission standards for hazardous air pollutants in 40 CFR part 61, or to the polychlorinated biphenyl disposal criteria in 40 CFR Part 761 satisfies the requirements of this Part for the contaminant regulated by the Federal standard if the source owner can demonstrate that the source is in compliance with the respective Federal regulation.

Condition 13: Compliance Certification Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60, NSPS Subpart A

Item 13.1:

The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: U-00015

Emission Unit: U-00035

Item 13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following requirements apply as relevant to affected facilities subject to 40 CFR Part 60 in the emission units listed above.

40 CFR 60.4 EPA Region 2 address

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

Director, Division of Enforcement and Compliance



Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

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

NYSDEC
Bureau of Enforcement and Compliance Assurance
625 Broadway
Albany, NY 12233-3254

40 CFR 60.7 Notification and record keeping

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

- 1) a notification of the date construction or reconstruction commenced, postmarked no later than 30 days after such date;
- 3) a notification of the actual date of initial start up, postmarked within 15 days after such date;
- 4) a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless the change is specifically exempted under 40 CFR 60. The notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capability of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional information regarding the change;
- 5) a notification of the date upon which the demonstration of continuous monitoring system performance commences, postmarked not less than 30 days prior to such date;
- 6) a notification of the anticipated date for conducting the opacity observations, postmarked not less than 30 days prior to such date; and
- 7) a notification that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during the performance test, postmarked not less than 30 days prior to the performance test.

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



monitoring device is inoperative.

Affected owners or operators shall submit an excess emissions report and/or a summary report form (as defined in 40 CFR 60.7(d)) semi-annually (or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be post marked no later than 30 days after each calendar quarter (or as appropriate), and shall contain the following information:

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

A summary report form, for each pollutant monitored, shall be sent to the Administrator in the form prescribed in Figure 1 of 40 CFR Part 60.7(d).

If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 60.7(c) need not be submitted unless requested by the Administrator. If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period and CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in 60.7(c) shall both be submitted.

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous



monitoring system performance evaluations; all continuous monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspections. The file shall be maintained for at least two years following the date of such measurements, maintenance, reports, and records, except as specified in 40 CFR 60.7(f)(1)-(3). (Note: Title V requires that monitoring records be maintained for 5 years).

If notification substantially similar to that in paragraph (a) of this section is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of paragraph (a) of this section.

Individual subparts of this part may include specific provisions which clarify or make inappropriate the provisions set forth in this section.

40 CFR 60.11 Compliance with Standards and Maintenance Requirements

Compliance with standards in 40 CFR Part 60, other than opacity standards, shall be determined in accordance with performance tests established by section 60.8 of 40 CFR Part 60 unless otherwise specified in the applicable standard.

Compliance with opacity standards in this part shall be determined by conducting observations in accordance with Reference Method 9 in appendix A of this part, any alternative method that is approved by the Administrator, or as provided in paragraph (e)(5) of this section. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test or other set of observations (meaning those fugitive type emission sources subject only to an opacity standard).

The opacity standards set forth in this part shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard.

At all times, including periods of startup, shutdown, and malfunction, owners and operators of this facility shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and



maintenance procedures are being used will be based on information available to the Department and the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

40 CFR 60.12 Circumvention

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

40 CFR 60.13 Monitoring requirements

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

40 CFR 60.14 Modification

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

40 CFR 60.15 Reconstruction

An existing facility, upon reconstruction (as defined in Section 60.15) becomes an affected facility, irrespective of any change in emission rate.

At least 60 days prior to commencing reconstruction, a notice of the proposed reconstruction must be submitted to the Administrator and must include the following:

- 1) a notice of intent to reconstruct 60 days prior to the action;
- 2) name and address of the owner or operator;
- 3) the location of the existing facility;
- 4) a brief description of the existing facility and the components to be replaced;
- 5) a description of the existing air pollution control equipment and the proposed air pollution control equipment;
- 6) an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new facility;



- 7) the estimated life of the facility after the replacements; and
- 8) a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements.

Individual subparts of this part may include specific provisions which refine or delimit the concept of reconstruction set forth in this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 2-25: Process Heater and Boiler NESHAP
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63, Subpart DDDDD

Item 2-25.1:

By September 13, 2007, Kodak's boilers, operated by Suez DEGS of Rochester, shall be compliant with 40 CFR 63 Subpart DDDDD, including the relevant emission standards in 63.7500(a) for PM and/or selected metals, HCl and Mercury; and any required operating limits, testing, record keeping and reporting requirements. Suez DEGS of Rochester shall also comply with any relevant and corresponding requirements in 40 CFR 63 Subpart A.

Condition 2-26: Compliance Assurance Monitoring Rule (CAM Rule)
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:40CFR 64

Item 2-26.1:

This facility is subject to the Compliance Assurance Monitoring Rule (CAM Rule). Upon renewal of this permit or upon relevant significant Title V modification, the owner or operator of this facility must submit a plan for pollutant-specific emission units subject to CAM but not already demonstrating compliance with this rule to the Department for its review and approval showing how they will comply with this rule. The plan must include the following:

- An indicator to be monitored to show compliance with the applicable emission limit or standard.
- The ranges or designated conditions for such indicators, or the process by which such indicators ranges or designed conditions will be established.
- the performance criteria for the monitoring stated above
- if applicable, the indicator ranges and performance criteria for a CEMS, COMS or PEMS (if used).

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



Condition 16: Emission Point Definition By Emission Unit
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Item 16.1(From Mod 2):

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

Emission Unit: U-00015

Emission Point: 00001

Height (ft.): 366

Diameter (in.): 132

NYTMN (km.): 4786.321

NYTME (km.): 283.129

Building: 031

Emission Point: 00002

Height (ft.): 366

Diameter (in.): 156

NYTMN (km.): 4786.321

NYTME (km.): 283.129

Building: 031

Emission Point: 00003

Height (ft.): 408

Diameter (in.): 144

NYTMN (km.): 4786.321

NYTME (km.): 283.129

Building: 321

Emission Point: 00004

Height (ft.): 409

Diameter (in.): 180

NYTMN (km.): 4786.321

NYTME (km.): 283.129

Building: 321

Item 16.2(From Mod 1):

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

Emission Unit: U-00035

Emission Point: 03104

Height (ft.): 72

Diameter (in.): 2

Building: 031

Emission Point: 321A0

Height (ft.): 187

Diameter (in.): 2

Building: 321

Item 16.3(From Mod 1):

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

Emission Unit: U-00051

Emission Point: 32102

Height (ft.): 65

Diameter (in.): 96

Building: 321

Emission Point: 32106

Height (ft.): 135

Diameter (in.): 24

Building: 321

Emission Point: 32107



Height (ft.): 33

Diameter (in.): 6

Building: 321

Emission Point: M9001

Height (ft.): 24

Diameter (in.): 10

Building: M90

**Condition 17: Process Definition By Emission Unit
Effective between the dates of 02/20/2003 and Permit Expiration Date**

Applicable Federal Requirement:6NYCRR 201-6

Item 17.1(From Mod 2):

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

Emission Unit: U-00015

Process: K07

Source Classification Code: 1-02-004-01

Process Description: NO 6 FUEL OIL COMBUSTION IN PACKAGE BOILERS

Emission Source/Control: 031AC - Combustion

Emission Source/Control: 031AD - Combustion

Emission Source/Control: 031AE - Combustion

Emission Source/Control: 031AF - Combustion

Item 17.2(From Mod 2):

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

Emission Unit: U-00015

Process: K09

Source Classification Code: 1-02-002-06

Process Description:

BITUMINOUS COAL COMBUSTION IN BUILT UP
BOILERS 13 AND 14

Emission Source/Control: 031AG - Combustion

Emission Source/Control: 031AH - Combustion

Emission Source/Control: 03104 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

Item 17.3(From Mod 2):

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

Emission Unit: U-00015

Process: K10

Source Classification Code: 1-02-004-01

Process Description:

NO 6 FUEL OIL COMBUSTION IN BUILT UP
BOILERS 15 AND 16

Emission Source/Control: 031AK - Combustion



Item 17.10(From Mod 1):

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

Emission Unit: U-00035
Process: K25 Source Classification Code: 3-16-130-02
Process Description: BOILER FEEDWATER ADDITIVE STORAGE

Emission Source/Control: 031AM - Process

Emission Source/Control: 321AK - Process

Item 17.11(From Mod 1):

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

Emission Unit: U-00035
Process: PTC Source Classification Code: 4-01-003-36
Process Description:
SOLVENT METAL CLEANING MACHINES IN
BUILDING 31 AND 321

Emission Source/Control: 031PC - Process

Emission Source/Control: 321PC - Process

Item 17.12(From Mod 1):

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

Emission Unit: U-00051
Process: K18 Source Classification Code: 3-05-101-99
Process Description: COAL ASH STORAGE AND TRANSFER OPERATIONS

Emission Source/Control: 32106 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 32111 - Control
Control Type: FABRIC FILTER

Emission Source/Control: M9001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 321AA - Process

Emission Source/Control: 321AD - Process

Emission Source/Control: 321AE - Process

Emission Source/Control: M90AA - Process

Condition 2-27: Process Permissible Emissions

Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7



Item 2-27.1:

The sum of emissions from the regulated process cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: U-00015 Process: K09

CAS No: 007446-09-5 (From Mod 2)

Name: SULFUR DIOXIDE

PTE(s): 889.5 tons per year

CAS No: 007664-93-9 (From Mod 2)

Name: SULFURIC ACID

PTE(s): 9.6 tons per year

CAS No: 0NY075-00-0 (From Mod 2)

Name: PARTICULATES

PTE(s): 39.8 tons per year

CAS No: 0NY075-00-5 (From Mod 2)

Name: PM-10

PTE(s): 41.7 tons per year

CAS No: 0NY210-00-0 (From Mod 2)

Name: OXIDES OF NITROGEN

PTE(s): 126.1 tons per year

Condition 18: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-6

Item 18.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 18.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required by this permit must be kept at the facility for the term of this permit, and must be made available to the Department upon request.

The Department reserves the right to inspect this facility as deemed necessary to determine compliance with this permit. Such inspections may be performed without prior notification. Routine inspections will be made during reasonable business hours, however, NYSDEC reserves the right to enter the facility at any time if there is cause to believe that the facility is in non-compliance.



All copies of reports and notification required under this section must be submitted to the NYSDEC Region 8 Office, the NYSDEC Bureau of Enforcement and Regional Support and the NYSDEC Bureau of Application Review and Permitting in Albany. Unless stated otherwise, such reports or notification shall be submitted within thirty days after the end of each calendar year quarter. The addresses for the above offices are as follows:

NYSDEC Region 8 Office
Attn: Air Quality Engineer
6274 East Avon Lima Road
Avon, NY 14414

NYSDEC
Bureau of Stationary Sources
Division of Air Resources
625 Broadway, 2nd Floor
Albany, NY 12233-3254

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 19: Building 321 Boilers Maintenance Mode
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 19.1:

This Condition applies to Emission Unit: U-00015

Item 19.2:

Maintenance inspections and cleanouts for Emission Points 00003 and 00004 occur approximately twice every five years. During normal operations, Unit 41 is ducted to EP 00003 and Unit 43 is ducted to EP 00004. During these maintenance activities, emissions from Units 41 and 43 (ES 321AG and 321AI) may be re-ducted to the alternate stack for a period of up to 10 days as necessary to perform maintenance on the stack. Unit 42, ducted to EP 00003, and Unit 44, ducted to EP 00004, will not be re-ducted during the maintenance procedure.

While emissions from ES 321AG or ES 321AI are re-ducted during a maintenance mode, the affected boilers shall continue to operate in accordance with all applicable emission limits and requirements. Continuous opacity monitors on EP 00003 and EP 00004 will be used to monitor compliance with opacity limits during the maintenance mode.

TCSor shall notify the Department at least 30 days prior to implementing the maintenance mode which involves re-ducting emissions to the alternate stacks.

Condition 20: Compliance Certification



Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 202-1

Item 20.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All testing must be done in accordance with protocols approved by the Department in advance of the testing. Test protocols must be submitted for approval at least 60 days in advance of the scheduled test date. The Department must be provided with at least 30 days advanced notice of testing. Failure to notify or use approved protocols is grounds for rejection of such tests.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-4: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 204-5.3

Item 1-4.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

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

Item 1-4.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For the control periods in 2003 through 2007, this facility is allocated 1,714 tons per year of NOx credits according to the NOx Budget provisions of 6 NYCRR Part 204-5.3.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.



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

Condition 21: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 21.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007704-34-9 SULFUR

Item 21.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

The maximum amount of sulfur in coal burned at the
facility shall not exceed 2.5 pounds of sulfur per million
BTU gross heat content.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: BITUMINOUS COAL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 2.5 pounds per million Btus
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 22: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 22.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):
CAS No: 007704-34-9 SULFUR

Item 22.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sulfur content of the fuel oil burned at the facility shall not exceed 1.5% by weight per 6 NYCRR Part 225-1.2(d), Table 2

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent reduction by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 2-28: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

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

Replaces Condition(s) 1-5

Item 2-28.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 2-28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each calendar year, for each of boilers 15, 41, 42, and 43 (i.e. emission sources 031AK, AG, AH, and AI), the following two step calculation procedure shall be performed:

Step 1: Calculate an allowable Sulfur Dioxide emission limit by the equation

$$S\text{-allowable} = ((1.1)(A\text{-allowable})(M) + (2)(B\text{-allowable})(T)) / (M+T)$$

Where S-allowable is the allowable annual average Sulfur Dioxide emissions rate in pounds per million



BTU

A-allowable is the allowable annual sulfur in oil limit from 6NYCRR, Part 225 (In this case, 1.5) in % Sulfur by weight

M is the annual actual average of % of total heat input from oil

B-allowable is the allowable annual Sulfur in coal limit from 6NYCRR, part 225 (In this case 1.7) in pounds per million BTU

T is the annual actual average of total heat input from coal

Step 2: Calculate whether the allowable Sulfur Dioxide emission limit is being met by the equation

$$S\text{-actual} = ((1.1)(A\text{-actual})(M) + (2)(B\text{-actual})(T)) / (M + T + G)$$

Where S-actual is the annual average Sulfur Dioxide emissions rate in pounds per million BTU

A-actual is the actual annual sulfur in oil content, in % Sulfur by weight

M is as defined above

B-actual is the actual annual sulfur in coal content, in pounds per million BTU

T is as defined above

G is the annual actual average of total heat input from natural gas

The calculations performed in this manner shall assure that the actual ANNUAL average Sulfur Dioxide emissions rate shall not exceed the allowable ANNUAL average Sulfur Dioxide emissions rate.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 2-29: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

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



Replaces Condition(s) 1-6

Item 2-29.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 2-29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each calendar quarter, for each of boilers 15, 41, 42, and 43 (i.e. emission sources 031AK, AG, AH, and AI), the following two step calculation procedure shall be performed:

Step 1: Calculate an allowable Sulfur Dioxide emission limit by the equation

$$S\text{-allowable} = ((1.1)(A\text{-allowable})(M) + (2)(B\text{-allowable})(T)) / (M+T)$$

Where S-allowable is the allowable quarterly average Sulfur Dioxide emissions rate in pounds per million BTU

A-allowable is the allowable quarterly sulfur in oil limit from 6NYCRR, Part 225 (In this case, 1.5) in % Sulfur by weight

M is the quarterly actual average of % of total heat input from oil

B-allowable is the allowable quarterly Sulfur in coal limit from 6NYCRR, part 225 (In this case 1.9) in pounds per million BTU

T is the quarterly actual average of total heat input from coal

Step 2: Calculate whether the allowable Sulfur Dioxide emissions limit is being met by the equation

$$S\text{-actual} = ((1.1)(A\text{-actual})(M) + (2)(B\text{-actual})(T)) / (M + T + G)$$

Where S-actual is the actual quarterly average Sulfur Dioxide emissions rate in pounds per million



BTU

A-actual is the actual quarterly sulfur in oil content, in % Sulfur by weight

M is as defined above

B-actual is the actual quarterly sulfur in coal content, in pounds per million BTU

T is as defined above

G is the quarterly actual average of total heat input from natural gas

The calculations performed in this manner shall assure that the actual QUARTERLY average Sulfur Dioxide emissions rate shall not exceed the allowable QUARTERLY average Sulfur Dioxide emissions rate.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 2-30: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 225-1.7

Replaces Condition(s) 1-7

Item 2-30.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

CAS No: 007704-34-9 SULFUR

Item 2-30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All relevant emission and fuel sampling requirements of Subparts 225-1.7 and 225-1.8 are applicable to the facility. Fuel sampling and sulfur analysis shall be conducted on site and results summarized and submitted to the Department on a quarterly basis according to the Kodak Park Facility - 6 NYCRR Part 225-1.8 Fuel Sampling and Analysis Plan, dated January 2002 (or a more recent plan



approved by the Department).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 2-31: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

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

Item 2-31.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 2-31.2:

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

Reference Test Method: Method 9

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2007.

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

Condition 1-8: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

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

Replaces Condition(s) 181, 183, 185, 187

Item 1-8.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 1-8.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a stationary combustion installation which utilizes a continuous opacity monitoring system (COMS) shall include the following in their quarterly Excess Visible Emissions and Opacity Monitor Downtime Report:

- 1) the magnitude, location (building, emission point and boiler #), 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 during which the COMS were 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 during which the COMS were required to record data;
- 6) the number of exceedences due to Start-up, Shut-down and Malfunction conditions and indication of those Malfunctions which were reported to the Department under Part 201-1.4 as a potentially excused exceedences.
- 7) other information as the Department may deem necessary, proper or desirable in order to enforce Article 19 of the Environmental Conservation Law (ECL) or the rules promulgated thereunder.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 34: Stack Monitoring

Effective between the dates of 02/20/2003 and Permit Expiration Date

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



Item 34.1:

This Condition applies to Emission Unit: U-00015

Item 34.2:

If the sum of the maximum heat input capacity of all furnaces, which are operated simultaneously and are connected to a common air cleaning device and/or a common stack exceeds 250 million Btu per hour maximum heat input capacity, stack monitoring shall be required for such combustion installation in accordance with 6 NYCRR Part 227-1.4. The continuous stack monitoring and reporting requirements of this section as they may pertain to existing stationary combustion installations shall apply within one year after the effective date of this section, or by such later date as determined by an order of the commissioner.

Condition 35: Stack Monitoring
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 35.1:

This Condition applies to Emission Unit: U-00015

Item 35.2:

Upon written application by a source owner, the commissioner may except a source owner or operator from the provisions of this section and set forth alternative stack monitoring and reporting requirements if the source owner can demonstrate that:

1. commercially available continuous stack monitoring systems would not provide accurate determinations of readings; or
2. the installation of a continuous stack monitoring system would impose an extreme economic burden on the source owner; or
3. existing stack monitoring equipment which does not conform to the criteria in appendix B of title 40, part 60 of the Code of Federal Regulations provides accurate and reliable data;
4. a continuous stack monitoring system cannot be installed due to physical limitations.

Condition 36: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement: 6 NYCRR 227-2

Item 36.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A summary of the emission limits and operating restrictions for this permit must be posted in the



Building 31 and 321 control rooms and must be plainly visible (without obstructions) to the operator of the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 37: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-2

Item 37.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

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

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All emission limits based on heat input correspond to the Higher Heating Value (HHV) of the fuel burned. The limits apply at all loads of operation, except during periods of startup and shutdown (not to exceed three hours per occurrence), malfunctions (as defined in 6 NYCRR Part 201-2(b)(22)), periods of low steam demand (weekend turndown cycles), and periods of gas curtailment. NOx limits during periods of low steam demand (low load) shall be determined by a plot of NOx vs. load, percent gas (or coal) vs. load, which were established following completion of the reburn studies on Boilers 15, 41, 42 and 43 and submitted to the Department on the following dates: February 3, 1998 (Boiler 43), September 21, 1998 (Boiler 15), January 19, 1999 (Boiler 42), and June 28, 1999 (Boiler 41).

During periods of a natural gas curtailment, NOx emissions shall be minimized according to the procedures of the Natural Gas Curtailment Plan, subject to Department approval.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 7/30/2003.

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

Condition 38: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-2

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Boilers 15, 41, 42 and 43 shall only fire natural gas, residual oil or bituminous coal. Boilers 13 and 14 shall fire only bituminous coal. Boilers 1, 2, 3, 4 and 16 shall fire only residual oil. Boiler 44 shall fire only distillate oil and bituminous coal.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 39: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-2.6

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Regulated Contaminant(s):

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

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Certified continuous monitoring and recording systems (CEM) to measure NOx and either CO2 or O2 in the exhaust stack of Boilers 13, 14, 15, 16, 41, 42, 43 and 44 are required. These CEM systems shall be calibrated and



maintained and shall meet the requirements of 6 NYCRR 227-2.6. The Department shall be notified 30 days in advance of the date upon which CEM system performance demonstration are scheduled to commence.

A quarterly written CEM report shall be submitted to NYSDEC for every calendar year quarter. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter and shall include:

- (i) A summary of excess emissions and CEMs downtime reported in the format acceptable to the Department.
- (ii) The results of the quarterly monitoring performance audit, reported in the format of 40 CFR 60 Appendix F (or equivalent).
- (iii) Excess emissions shall be identified as any 24 hour block period or 30 day average depending upon the time of the year during which the average emissions of NO_x, as measured by the CEM system, exceeds the corresponding mass or concentration emission limits set forth in Section I.
- (iv) For the purposes of this permit, excess emissions indicated by the CEM system for 24 hour or 30 day block, depending upon the time of year, periods other than startups, shutdowns and malfunctions (6 NYCRR 201.5(d)) may be considered violations of the applicable emission limits.

A file of all measurements shall be maintained, including CEM system performance evaluations; all CEM systems or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. Files of such measurements, maintenance, reports, and records shall be retained for at least five years.

Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2003.
Subsequent reports are due every 3 calendar month(s).

**Condition 2-32: Compliance Assurance Monitoring Rule (CAM Rule) -Boilers
42 and 43
Effective between the dates of 01/09/2007 and Permit Expiration Date**

Applicable Federal Requirement:40CFR 64

Item 2-32.1:

This Condition applies to Emission Unit: U-00015

Item 2-32.2:



Boilers 42 (ES 321AH) and 43 (ES 321AI) located at Building 321 in Kodak Park are subject to the requirements of the Compliance Assurance Monitoring Rule (CAM Rule) for particulate emissions. Upon commencement of operation of 42 and 43 Boilers after completing the modifications subject to this permit, the permittee will adhere to the CAM Plan, dated July 24, 2006.

Boilers 42 and 43 are subject to Part 227-1.2(a)(4) particulate limits of 0.26 lb/mmbtu and 0.24 lb/mmbtu, respectively. According to the CAM plan, testing will be conducted to correlate compliant particulate emissions with opacity, and ESP operating parameters and other process data to the extent possible. Once an opacity range which indicates compliance has been established, Continuous Opacity Monitors (COMS) will be used to assess compliance on a one hour average basis. The permit will be revised to include the specific level at which an exceedance occurs.

In the event that the one hour average opacity exceeds the established range, an investigation and corrective actions will be conducted. The boiler combustion parameters and ESP operating parameters will be evaluated and the following corrective actions will be taken:

1. Reduce boiler load as possible to achieve compliance with one-hour opacity average.
2. Make on-line repairs to units as necessary and re-evaluate system functionality.
3. In the event that full system functionality cannot be restored, the unit will be shut down until repaired.

Each exceedance of the established opacity range shall be reported to the Department in the Semi-Annual Monitoring Deviation Report. The report shall include the measured opacity, the duration, and the corrective actions taken.

The permittee shall fulfill key obligations under the CAM Plan as follows:

- 1) A Continuous Opacity Monitoring System (COMS) shall be installed in the breeching at the outlet of the Electrostatic Precipitator (ESP) for each boiler (Boiler 42 & 43). The COMS shall be installed and operated in accordance with QA/QC requirements in 40 CFR Part 60 Appendix B.
- 2) Particulate emissions testing shall be conducted after commencing operation of the modified boilers to establish the compliance monitoring indicator(s). Beginning with the first renewal of the Title V permit, particulate emissions testing to re-establish the compliance indicator(s) shall be conducted at least once during the term of the permit. A test notification and protocol shall be submitted 30 days prior to a planned test date. A test report shall be submitted to the Department within 60 days of completing testing along with the proposed compliance indicator(s).
- 3) The CAM monitoring system shall be implemented within 180 days after commencing operation of the modified boilers. Implementation of the CAM monitoring system shall consist of: completion of the required particulate emission testing; submission of the test report, including the proposed compliance indicator; and beginning monitoring in accordance with the proposed indicators.

Condition 41: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 41.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00015

Process: K07

Regulated Contaminant(s):

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

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

In order to comply with Subpart 227-2 NOx RACT requirements, NOx emissions from each of the Package Boilers 1, 2, 3 and 4 (ES 031AC, 031AD, 031AE, 031AF) shall not exceed 0.57 lb/mmBtu and 56 lb/hr based on a one hour average. These boilers are each limited to 200,000 gallons of residual oil use per year, on a twelve month rolling basis. The amount of fuel burned in these units must be recorded within $\pm 5\%$ accuracy and shall be incorporated into a 12 month rolling total.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: NUMBER 6 OIL

Upper Permit Limit: 200000 gallons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 42: Compliance Certification

Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 227.2(b)(1)

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K07

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Particulate emissions from each of the Package Boilers 1, 2, 3, and 4 (ES 031AC, 031AD, 031AE, 031AF) shall not



exceed 0.10 lb/mmBtu. In order to ensure compliance with the particulate limit, annual tune-ups shall be performed on each boiler. Records of maintenance and tune-ups shall be kept on site and made available to the Department upon request.

Monitoring Frequency: 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 52: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K09

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

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 227-1.4(a)(4), particulate emissions from Boilers 13 (ES 031AG) and Boiler 14 (ES 031AH) shall not exceed 0.26 lb/mmBtu, based on a maximum heat input capacity of 265 mmBtu/hr. To demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. The first such test shall be conducted within 180 days of the initial issuance of the Title V permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.26 pounds per million Btus
Reference Test Method: METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 53: Compliance Certification



Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 227-2.4

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K09

Regulated Contaminant(s):

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

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total combined fuel use for Boilers 13 and 14 shall not exceed 127,000 tons per year on a 12 month rolling basis. The amount of coal burned in these units must be recorded within $\pm 10\%$ accuracy and incorporated into a twelve month rolling total. The records must be kept on site and made available to the Department upon request.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: BITUMINOUS COAL

Upper Permit Limit: 127,000 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 1-9: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

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

Replaces Condition(s) 54

Item 1-9.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K09

Regulated Contaminant(s):

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

Item 1-9.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to comply with Part 227-2 NO_x RACT requirements, NO_x emissions from Boilers 13 (ES 031AG) and Boiler 14 (031AH) shall not exceed 0.53 lb/mmBtu and 141 lb/hr from each boiler. Compliance with these limits will be demonstrated through the use of a continuous monitoring system according to the requirements of Part 227-2.6. Emission limits are based on a 24 hour average during the ozone season and a 30-day rolling average during the non-ozone season.

Manufacturer Name/Model Number: TECO 42

Upper Permit Limit: 0.53 pounds per million Btus

Reference Test Method: METHOD 7E

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 1/30/2005.

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

Condition 55: Testing, monitoring, and reporting requirements for very large boilers.

Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 55.1:

This Condition applies to Emission Unit: U-00015

Process: K09

Item 55.2:

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

Condition 2-33: Capping Monitoring Condition

Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7

Item 2-33.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40CFR 52-A.21

Item 2-33.2:

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



Item 2-33.3:

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

Item 2-33.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 2-33.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 2-33.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K09

Emission Source: 031AG

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

CAS No: 007664-93-9

SULFURIC ACID

CAS No: 0NY075-00-0

PARTICULATES

CAS No: 0NY075-00-5

PM-10

CAS No: 0NY210-00-0

OXIDES OF NITROGEN

Item 2-33.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Upon commencing operation of the modified Boilers 42 & 43 (whichever becomes operational first) the total coal used for Boiler 13 (ES 031AG) shall not exceed 20,000 coal tons per year (tpy) measured on a 12-month rolling basis. This coal use limit, in conjunction with the limit on Boiler 14 coal use, will ensure emission reductions of 529 tpy NO_x, 167 tpy PM, 175 tpy PM-10 (including condensible PM), 40 tpy H₂SO₄, and 3,733 tpy SO₂. The amount of coal burned in the unit must be monitored and recorded on a monthly basis and incorporated into a twelve month rolling total. The records shall be kept on site and made available to the Department upon request.

Work Practice Type: PROCESS MATERIAL THRUPUT



Process Material: BITUMINOUS COAL
Upper Permit Limit: 20,000 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 2-34: Capping Monitoring Condition
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 201-7

Item 2-34.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40CFR 52-A.21

Item 2-34.2:

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

Item 2-34.3:

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

Item 2-34.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 2-34.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 2-34.6:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K09

Emission Source: 031AH

Regulated Contaminant(s):

CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 007664-93-9	SULFURIC ACID
CAS No: 0NY075-00-0	PARTICULATES



CAS No: 0NY075-00-5 PM-10
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 2-34.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Upon commencing operation of the modified Boilers 42 & 43 (whichever becomes operational first) the total coal used for Boiler 14 (ES 031AH) shall not exceed 20,000 coal tons per year (tpy) measured on a 12-month rolling basis. This coal use limit, in conjunction with the limit on Boiler 13 coal use, will ensure emission reductions of 529 tpy NO_x, 167 tpy PM, 175 tpy PM-10 (including condensible PM), 40 tpy H₂SO₄, and 3,733 tpy SO₂. The amount of coal burned in the unit must be monitored and recorded on a monthly basis and incorporated into a twelve month rolling total. The records shall be kept on site and made available to the Department upon request.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: BITUMINOUS COAL

Upper Permit Limit: 20,000 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MINIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 70: Testing, monitoring, and reporting requirements for very large boilers.

Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 70.1:

This Condition applies to Emission Unit: U-00015

Process: K10

Item 70.2:

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

Condition 76: Compliance Certification

Effective between the dates of 02/20/2003 and Permit Expiration Date

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



Item 76.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K10

Emission Source: 031AK

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 227-1.2(a)(1), particulate emissions from Boiler 15 (ES 031AK) shall not exceed 0.10 lb/mmBtu while burning No. 6 fuel oil. A Method 5 stack test to demonstrate compliance with this limit shall be required at the discretion of the Department.

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: METHOD 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2003.

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

Condition 77: Compliance Certification

Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K10

Emission Source: 031AK

Regulated Contaminant(s):

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

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This monitoring activity addresses the NOx limitation and



monitoring requirements for very large boilers. This very large boiler is subject to the applicable requirements of this subdivision: specifically paragraphs 227-2.6(b)(3) and 227-2.6(b)(4).

Compliance with this emission limit shall be determined on a 24-hour heat input weighted average during the ozone season in accordance with the provisions of section 227-2.6(a)(1).

From October 1st to April 30th, the non-ozone season, a 30-day rolling heat input weighted average may be used to demonstrate compliance.

The firm shall submit a quarterly written CEMS report for every calendar quarter. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter. These quarterly audit reports shall follow the guidance provided by the Department (Air Guide 34) and 40 CFR Part 60 Appendix F.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: .43 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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

Condition 1-10: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

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

Replaces Condition(s) 78

Item 1-10.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K10

Emission Source: 031AL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 227-1,



particulate emissions from Boilers 16 (ES 031AL) shall not exceed 0.1 lb/mmBtu. In order to demonstrate compliance with the particulate limit, a stack test shall be conducted at such time that the boiler is operated at or above 80% of its fuel capacity. Prior to any required testing, a stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202. Until this test is required, annual tune-ups shall be performed on the boiler.

Upper Permit Limit: 0.1 pounds per million Btus

Reference Test Method: METHOD 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 79: Compliance Certification

Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K10

Emission Source: 031AL

Regulated Contaminant(s):

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to comply with Part 227-2 NOx RACT requirements, NOx emissions from Boiler 16 (ES 031AL) shall not exceed 0.25 lb/mmBtu and 136 lb/hr. Compliance with these limits will be demonstrated through the use of a continuous monitoring system according to the requirements of Part 227-2.6. Emission limits are based on a 24 hour average during the ozone season and a 30-day rolling average during the non-ozone season.

Manufacturer Name/Model Number: TECO 42

Upper Permit Limit: .25 pounds per million Btus

Reference Test Method: METHOD 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE



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 80: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 80.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K10

Emission Source: 031AL

Regulated Contaminant(s):

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

Item 80.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

This monitoring activity addresses the NO_x limitation and monitoring requirements for very large boilers. This very large boiler is subject to the applicable requirements of this subdivision: specifically paragraphs 227-2.6(b)(3) and 227-2.6(b)(4).

Compliance with this emission limit shall be determined on a 24-hour heat input weighted average during the ozone season in accordance with the provisions of section 227-2.6(a)(1).

From October 1st to April 30th, the non-ozone season, a 30-day rolling heat input weighted average may be used to demonstrate compliance.

The firm shall submit a quarterly written CEMS report for every calendar quarter. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter. These quarterly audit reports shall follow the guidance provided by the Department (Air Guide 34) and 40 CFR Part 60 Appendix F.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: .25 pounds per million Btus

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: QUARTERLY (CALENDAR)



Reports due 30 days after the reporting period.
The initial report is due 4/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 90: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 90.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K11

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

Item 90.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 227-1.2(a)(4), particulate emissions from Boilers 15 (ES 031AK) shall not exceed 0.26 lb/mmBtu, based on a maximum heat input capacity of 478 mmBtu/hr. In order to demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. The first such test shall be conducted within 180 days of the initial issuance of the Title V permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.26 pounds per million Btus
Reference Test Method: METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 91: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 91.1:



The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K11

Regulated Contaminant(s):

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

Item 91.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to comply with Part 227-2 NOx RACT requirements, NOx emissions from each of Boilers 15 (ES 031AK) shall not exceed the limits in the table below:

During the ozone season (to be calculated as a 24-hour average):	
Boiler Load (lbs steam/hr)	Emission Limit
(lb/mmBtu)	Emission Limit (lb/hr)
< 350,000	1.00
418	
350,000 to < 360,000	0.90
388	
360,000 to < 370,000	0.80
354	
370,000 to < 380,000	0.72
328	
380,000 to < 390,000	0.65
304	
390,000 to < 400,000	0.62
297	
400,000 to 440,000	0.60
316	

During the non-ozone season (to be calculated as a 30-day rolling average):
0.72 lb/mmBtu

Compliance with these limits will be demonstrated through the use of a continuous monitoring system according to the requirements of Part 227-2.6.



Manufacturer Name/Model Number: TECO 42
Upper Permit Limit: 0.72 pounds per million Btus
Reference Test Method: METHOD 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 92: Testing, monitoring, and reporting requirements for very large boilers.
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 92.1:

This Condition applies to Emission Unit: U-00015
Process: K11 Emission Source: 031AK

Item 92.2:

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

Condition 107: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 107.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K12

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

Item 107.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 227-1.2(a)(1), particulate emissions from Boilers 41, 42, and 43 are limited to 0.10 lb/mmBtu while burning No. 6 fuel oil. A Method 5 stack test to demonstrate compliance with this limit shall be required at the Department's discretion.



Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: METHOD 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 108: Testing, monitoring, and reporting requirements for very large boilers.
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 108.1:

This Condition applies to Emission Unit: U-00015
Process: K12

Item 108.2:

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

Condition 123: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K13

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

Item 123.2:

Compliance Certification shall include the following monitoring:

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

In order to comply with Subpart Part 227-2 NOx RACT requirements, NOx emissions from Boilers 41, 42, and 43 are limited as follows:
Boiler 41 (ES 031AG): 0.6 lb/mmBtu and 300 lb/hr
Boiler 42 (ES 031AH): 0.6 lb/mmBtu and 300 lb/hr
Boiler 43 (ES 031AI): 0.6 lb/mmBtu and 384



lb/hr

Compliance with these limits will be demonstrated through the use of a continuous monitoring system according to the requirements of Part 227-2.6. Emission limits are based on a 24 hour average during the ozone season and a 30-day rolling average during the non-ozone season.

Manufacturer Name/Model Number: TECO 42
Upper Permit Limit: 0.6 pounds per million Btus
Reference Test Method: METHOD 7E
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 4/30/2003.
Subsequent reports are due every 3 calendar month(s).

Condition 124: Testing, monitoring, and reporting requirements for very large boilers.
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 124.1:

This Condition applies to Emission Unit: U-00015
Process: K13

Item 124.2:

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

Condition 2-35: Compliance Certification
Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21(r)(6), Subpart A

Item 2-35.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K13

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

Item 2-35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:



For 5 years after commencing regular operation following the modification to 42 and 43 boilers, the operator shall keep records documenting that emissions of Sulfur Dioxide (SO₂) remain below 13,785 tons per year (tpy) on a rolling twelve month basis. The calculation of actual SO₂ emissions shall be based on the heat input (HI) from coal and fuel oil used and the annual SO₂ emission rates (lb/mmbtu) as calculated from sulfur-in-fuel data as described below. The sulfur content of the fuels will be derived from summaries of the annual sulfur data for the coal and #6 fuel oil used.

$$\text{SO}_2 \text{ tpy} = (\text{HIc} \times \text{SO}_2\text{c}) + (\text{HIo} \times \text{SO}_2\text{o})/2000$$

where:

HIc (mmbtu) = annual actual total heat input from coal

HIo (mmbtu) = annual actual total heat input from oil

SO₂c (lb/mmbtu) = average annual SO₂ emission rate for coal calculated by multiplying the average Sulfur content of the Coal (lb/mmbtu) by 2.

SO₂o (lb/mmbtu) = average annual SO₂ emission rate for No. 6 fuel oil calculated by multiplying the average Sulfur content of the No. 6 fuel oil (lb/mmbtu) by 2.

These records shall be kept on site and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 13,785 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 2-36: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21(r)(6), Subpart A

Item 2-36.1:

The Compliance Certification activity will be performed for:



Emission Unit: U-00015

Process: K13

Regulated Contaminant(s):

CAS No: 0NY075-00-5 PM-10

Item 2-36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

For 5 years after commencing regular operation following the modification to 42 and 43 boilers, the operator shall keep records documenting that emissions of Particulate Matter less than 10 microns (PM-10) remain below 747 tons per year (tpy) on a rolling twelve month basis. The calculation of actual emissions shall be based on the heat input (HI) from each of the fuels used and the emission rates for PM-10 and condensible particulate matter (C-PM) (lb/mmbtu) based on stack test data and AP-42 emission factors, as follows:

$$\text{PM-10 tpy} = (((\text{HIc} + \text{HIg}) \times (\text{PM-10c+g} + \text{C-PMc+g})) + (\text{HIo} \times \text{PM-10o})) / 2000$$

where:

HIc (mmbtu) = annual actual total heat input from coal

HIg(mmbtu) = annual actual total heat input from natural gas

HIo(mmbtu) = annual actual total heat input from fuel oil

PM-10c+g (lb/mmbtu): The PM-10 emission rate for combined coal and gas combustion will be based on Method 5 testing, required within 180 days after commencing operation of the modified boilers, and particle size emission factor from AP-42 External Combustion sources, Bituminous and Sub bituminous Coal Combustion, Table 1.1-8, p. 1.1-28 (Revised 9/98). 68% of PM is estimated to be PM-10 with ESP. Prior to the completion of the required post-modification particulate testing, the PM-10 emission factor shall be 0.117 lb/mmbtu, as calculated from the July 2003 PM test data.

C-PMc+g (lb/mmbtu) = 0.059 lb/mmbtu; condensible particulate emission rate for combined coal and gas combustion based on Method 202 stack test at Boiler 42 conducted in May 2006

PM-10o (lb/mmbtu) = 0.03203 lb/mmbtu; PM-10 emission rate for fuel oil combustion including a condensible PM factor,



based on AP-42 External Combustion Sources, Utility Boilers Firing Residual Oil, Table 1.3-4, p. 1.3-15 (Revised 9/98).

These PM-10 emission factors may be revised based on Department approved emission test results.

These records shall be kept on site and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL
Parameter Monitored: PM-10
Upper Permit Limit: 747 tons per year
Monitoring Frequency: MONTHLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2007.
Subsequent reports are due every 6 calendar month(s).

Condition 2-37: Compliance Certification
Effective between the dates of 01/09/2007 and Permit Expiration Date
Applicable Federal Requirement:40CFR 52.21(r)(6), Subpart A

Item 2-37.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K13

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

Item 2-37.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

For 5 years after commencing regular operation following the modification to 42 and 43 boilers, the operator shall keep records documenting that emissions of Particulate Matter (PM) remain below 730 tons per year (tpy) on a rolling twelve month basis. The calculation of actual emissions shall be based on the heat input (HI) from each of the fuels used and particulate emission rates (lb/mmbtu) as described below:

$$PM\ tpy = ((HI_c + HI_g) \times PM_{c+g}) + (HI_o \times$$



PM_o)/2000

where:

HI_c (mmbtu) = annual actual total heat input from coal

HI_g (mmbtu) = annual actual total heat input from natural gas

HI_o (mmbtu) = annual actual total heat input from oil

PM_{c+g} (lb/mmbtu): The average PM emission rate for combined coal and gas combustion will be based on Method 5 testing, required within 180 days after commencing operation of the modified boilers, not to exceed permitted limits of 0.26 lb/mmbtu on 42 Boiler and 0.24 lb/mmbtu on 43 Boiler. Prior to the completion of the required post-modification particulate testing, the PM emission factor shall be 0.1715 lb/mmbtu, based on the July 2003 PM test data.

PM_o (lb/mmbtu) = 0.10 lb/mmbtu, the permitted emission rate limit for 42 and 43 Boiler while firing No. 6 Fuel Oil.

These PM emission factors may be revised based on Department approved emission test results.

These records shall be kept on site and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: PARTICULATES

Upper Permit Limit: 730 tons per year

Reference Test Method: Method 5

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 2-38: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21(r)(6), Subpart A

Item 2-38.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015



Process: K13

Regulated Contaminant(s):

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

Item 2-38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

For 5 years after commencing regular operation following the modification to 42 and 43 boilers, the operator shall keep records documenting that emissions of NO_x remain below 2551 tons per year (tpy) on a rolling twelve month basis. The calculation of actual emissions shall be based on the heat input (HI) from each of the fuels used and the annual average NO_x emission rate (lb/mmbtu) recorded by the CEM system as follows:

$$\text{NO}_x \text{ tpy} = \text{Total HI (mmbtu)} \times \text{NO}_x \text{ (lb/mmbtu)}/2000$$

where:

Total HI = HI_c + HI_g + HI_o

HI_c (mmbtu) = annual actual total heat input from coal

HI_g(mmbtu) = annual actual total heat input from natural gas

HI_o(mmbtu) = annual actual total heat input from oil

These records shall be kept on site and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2551 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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

Condition 2-39: Compliance Certification

Effective between the dates of 01/09/2007 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21(r)(6), Subpart A



Item 2-39.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K13

Regulated Contaminant(s):

CAS No: 007664-93-9 SULFURIC ACID

Item 2-39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

For 5 years after commencing regular operation following the modification to 42 and 43 boilers, the operator shall keep records documenting that emissions of Sulfuric Acid Mist (H₂SO₄) remain below 137 tons per year (tpy) on a rolling twelve month basis. The calculation of actual emissions shall be based on the Guidance for Reporting Sulfuric Acid in the Emergency Planning and Community Right-to-Know Act - Section 313 as follows:

$$\text{H}_2\text{SO}_4 \text{ tpy} = (\text{Coal tpy} \times 0.43 \times \% \text{Sc}) + ((\text{Oil gpy} \times 1000) \times (0.00245 \times \% \text{So})) / 2000$$

where:

Coal tpy = Tons of coal consumed in Boilers 42 and 43 per year

Oil gpy = Gallons of fuel oil consumed in Boilers 42 and 43 per year

%Sc = average annual Sulfur content of the coal consumed

%So = average annual Sulfur content of the fuel oil consumed, not to exceed 1.5% by weight.

These records shall be kept on site and made available to the Department upon request.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL

Parameter Monitored: SULFURIC ACID

Upper Permit Limit: 137 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

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



Condition 130: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 130.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K13

Emission Source: 321AG

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 130.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 227-1.2(a)(4), particulate emissions from Boiler 41 are limited to 0.26 lb/mmBtu, based on a maximum heat input capacity of 500 mmBtu/hr. To demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. The first such test shall be conducted within 180 days of the initial issuance of the Title V permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.26 pounds per million Btus

Reference Test Method: METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2003.

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

Condition 131: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 131.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K13

Emission Source: 321AH



Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 131.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 227-1.2(a)(4), particulate emissions from Boiler 42 are limited to 0.26 lb/mmBtu, based on a maximum heat input capacity of 500 mmBtu/hr. To demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. The first such test shall be conducted within 180 days of the initial issuance of the Title V permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.26 pounds per million Btus

Reference Test Method: METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2003.

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

Condition 132: Compliance Certification

Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 132.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K13

Emission Source: 321AI

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 132.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 6 NYCRR Part 227-1.2(a)(4), particulate emissions from Boiler 43 are limited to 0.24 lb/mmBtu, based on a maximum heat input



capacity of 640 mmBtu/hr. To demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. The first such test shall be conducted within 180 days of the initial issuance of the Title V permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.24 pounds per million Btus
Reference Test Method: METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 142: Testing, monitoring, and reporting requirements for very large boilers.
Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 142.1:

This Condition applies to Emission Unit: U-00015
Process: K14

Item 142.2:

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

Condition 148: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 52.21, Subpart A

Item 148.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K14

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

Item 148.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

In order to demonstrate compliance with 40 CFR 52.21 Prevention of Significant Deterioration (PSD), carbon monoxide emissions from Boiler 44 (ES 321AJ) shall not exceed 0.03 lb/mmBtu, as determined by applying emission factors to the heat input of the unit.

Monitoring Frequency: CONTINUOUS

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 149: Compliance Certification

Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 149.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K14

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 149.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 40 CFR 52.21 Prevention of Significant Deterioration (PSD) and Part 227-1.2(a)(1), particulate emissions from Boiler 44 (ES 321AJ) shall not exceed 0.035 lb/mmBtu (as established in the initial PSD permit for this boiler). To demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. The first such test shall be conducted within 180 days of the initial issuance of the Title V permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.035 pounds per million Btus

Reference Test Method: METHOD 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 8/29/2003.

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

Condition 150: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.42(a)(1), NSPS Subpart D

Item 150.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K14

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 150.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On or after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, no owner or operator subject to the provisions of Subpart D shall caused to be discharged into the atmosphere from any affected facility any gases which contain particulate matter in excess of 0.10 pounds per million BTU heat input derived from fossil fuel or fossil fuel and wood residue.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.10 pounds per million Btus

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 151: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.42(a)(2), NSPS Subpart D

Item 151.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K14



Item 151.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

On or after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, no owner or operator subject to the provisions of Subpart D shall caused to be discharged into the atmosphere from any affected facility any gases which exhibit greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

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 152: Standard for sulfur dioxide.

Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.43(a)(1), NSPS Subpart D

Item 152.1:

This Condition applies to Emission Unit: U-00015

Process: K14

Item 152.2:

Sulfur dioxide emissions while firing liquid fossil fuel or liquid fossil fuel and wood residue shall not exceed 0.80 lb/mmBtu.

Condition 153: Standard for nitrogen oxides.

Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.44(a)(2), NSPS Subpart D

Item 153.1:

This Condition applies to Emission Unit: U-00015

Process: K14

Item 153.2:

Nitrogen oxide emissions while firing liquid fossil fuel, liquid fossil fuel and wood residue, or gaseous fossil fuel and wood residue shall not exceed 0.30 lb/mmBtu.

Condition 1-11: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date



Applicable Federal Requirement:40CFR 60.45(a), NSPS Subpart D

Replaces Condition(s) 154

Item 1-11.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K14

Item 1-11.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of this fossil fuel burning equipment shall install, calibrate, maintain, and operate CEMs for nitrogen oxides, opacity, and either oxygen or carbon dioxide.

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 1/30/2005.

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

Condition 1-12: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.45(g), NSPS Subpart D

Replaces Condition(s) 155

Item 1-12.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K14

Item 1-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Excess emission and monitoring system performance reports shall be submitted to the Administrator semiannually for each six-month period in the calendar year. All semiannual reports shall be postmarked by the 30th day following the end of each six-month period. Each excess emission and MSP report shall include the information required in § 60.7(c). Periods of excess emissions and monitoring systems (MS) downtime that shall be reported are defined as follows:



(1) Opacity. Excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 20 percent opacity, except that one six-minute average per hour of up to 27 percent opacity need not be reported.

(i) For sources subject to the opacity standard of § 60.42(b)(1), excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 35 percent opacity, except that one six-minute average per hour of up to 42 percent opacity need not be reported.

(ii) For sources subject to the opacity standard of § 60.42(b)(2), excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 32 percent opacity, except that one six-minute average per hour of up to 39 percent opacity need not be reported.

(2) Nitrogen oxides. Excess emissions for affected facilities using a continuous monitoring system for measuring nitrogen oxides are defined as any three-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) exceed the applicable standards under § 60.44.

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 1/30/2005.

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

Condition 1-13: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 225-1.2(a)(1)

Item 1-13.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K15

Regulated Contaminant(s):

CAS No: 007704-34-9 SULFUR

Item 1-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS



Monitoring Description:

The sulfur content of bituminous coal burned on Boiler 44 shall not exceed 0.60 pound of sulfur per million Btu gross heat content.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: BITUMINOUS COAL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.60 pounds per million Btus

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 1-14: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 225-1.2(a)(1)

Item 1-14.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K15

Regulated Contaminant(s):

CAS No: 007704-34-9 SULFUR

Item 1-14.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sulfur content of fuel oil burned on Boiler 44 shall not exceed 0.75 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.75 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 165: Compliance Certification



Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 165.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K15

Regulated Contaminant(s):

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

Item 165.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

In order to comply with Subpart Part 227-2 NOx RACT requirements, NOx emissions from Boiler 44 (ES 321AJ) shall not exceed 0.42 lb/mmBtu and 282 lb/hr. Compliance with these limits will be demonstrated through the use of a continuous monitoring system according to the requirements of Part 227-2.6. Emission limits are based on a 24 hour average during the ozone season and a 30-day rolling average during the non-ozone season.

Manufacturer Name/Model Number: TECO 42

Upper Permit Limit: 0.42 pounds per million Btus

Reference Test Method: METHOD 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 24-HOUR AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2003.

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

Condition 166: Testing, monitoring, and reporting requirements for very large boilers.

Effective between the dates of 02/20/2003 and Permit Expiration Date

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

Item 166.1:

This Condition applies to Emission Unit: U-00015

Process: K15

Item 166.2:

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

Condition 172: Compliance Certification



Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 172.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K15

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 172.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to demonstrate compliance with 40 CFR 52.21 Prevention of Significant Deterioration (PSD), carbon monoxide emissions from Boiler 44 (ES 321AJ) shall not exceed 0.03 lb/mmBtu, as determined by applying emission factors to the heat input of the unit.

Monitoring Frequency: CONTINUOUS

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 173: Compliance Certification

Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 173.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K15

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 173.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

In order to maintain compliance with 40 CFR 52.21 Prevention of Significant Deterioration (PSD) and Part 227-1.2(a)(3), particulate emissions from Boiler 44 (ES 321AJ) shall not exceed 0.035 lb/mmBtu (as established in



the initial PSD permit for this boiler). To demonstrate compliance with the particulate limit, a stack test shall be conducted once during the term of the permit. The first such test shall be conducted within 180 days of the initial issuance of the Title V permit. A stack test protocol shall be submitted to the Department according to the procedures of 6 NYCRR Part 202.

Upper Permit Limit: 0.035 pounds per million Btus
Reference Test Method: METHOD 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 8/29/2003.
Subsequent reports are due every 6 calendar month(s).

Condition 174: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 60.42(a)(1), NSPS Subpart D

Item 174.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K15

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

Item 174.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On or after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, no owner or operator subject to the provisions of Subpart D shall caused to be discharged into the atmosphere from any affected facility any gases which contain particulate matter in excess of 0.10 pounds per million BTU heat input derived from fossil fuel or fossil fuel and wood residue.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.10 pounds per million Btus
Reference Test Method: Method 5
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT



ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2003.

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

Condition 175: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.42(a)(2), NSPS Subpart D

Item 175.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015

Process: K15

Item 175.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

On or after the date on which the performance test required to be conducted by 40 CFR 60.8 is completed, no owner or operator subject to the provisions of Subpart D shall caused to be discharged into the atmosphere from any affected facility any gases which exhibit greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

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 176: Sulfur dioxide standard.
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.43(a)(2), NSPS Subpart D

Item 176.1:

This Condition applies to Emission Unit: U-00015

Process: K15

Item 176.2:

Sulfur dioxide emissions while firing solid fossil fuel or solid fossil fuel and wood residue shall not exceed 1.2 lb/mmBtu.



Condition 177: Standard for nitrogen oxides.
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.44(a)(3), NSPS Subpart D

Item 177.1:

This Condition applies to Emission Unit: U-00015
Process: K15

Item 177.2:

Nitrogen oxide emissions while firing solid fossil fuel or solid fossil fuel and wood residue shall not exceed 0.70 lb/mmBtu.

Condition 1-15: Compliance Certification
Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.45(a), NSPS Subpart D

Replaces Condition(s) 178

Item 1-15.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015
Process: K15

Item 1-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of this fossil fuel burning equipment shall install, calibrate, maintain, and operate CEMs for nitrogen oxides, opacity, and either oxygen or carbon dioxide.

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 1/30/2005.

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

Condition 1-16: Compliance Certification
Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:40CFR 60.45(g), NSPS Subpart D

Replaces Condition(s) 179

Item 1-16.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00015



Process: K15

Item 1-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Excess emission and monitoring system performance reports shall be submitted to the Administrator semiannually for each six-month period in the calendar year. All semiannual reports shall be postmarked by the 30th day following the end of each six-month period. Each excess emission and MSP report shall include the information required in § 60.7(c). Periods of excess emissions and monitoring systems (MS) downtime that shall be reported are defined as follows:

(1) Opacity. Excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 20 percent opacity, except that one six-minute average per hour of up to 27 percent opacity need not be reported.

(i) For sources subject to the opacity standard of § 60.42(b)(1), excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 35 percent opacity, except that one six-minute average per hour of up to 42 percent opacity need not be reported.

(ii) For sources subject to the opacity standard of § 60.42(b)(2), excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 32 percent opacity, except that one six-minute average per hour of up to 39 percent opacity need not be reported.

(2) Nitrogen oxides. Excess emissions for affected facilities using a continuous monitoring system for measuring nitrogen oxides are defined as any three-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) exceed the applicable standards under § 60.44.

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 1/30/2005.

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

**Condition 190: VOL storage tanks less than 10000 gallons
Effective between the dates of 02/20/2003 and Permit Expiration Date**



Applicable Federal Requirement:6NYCRR 229.3(e)(2)(v)

Item 190.1:

This Condition applies to Emission Unit: U-00035
Process: K25

Item 190.2:

Volatile organic liquid tanks with a capacity of less than 10,000 gallons must be equipped with a conservation vent.

Condition 191: Compliance Certification
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 229.5(d)

Item 191.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00035
Process: K25

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 191.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of a volatile organic liquid storage tank that is subject to 6NYCRR Part 229 must maintain a record of the capacity (in gallons) of the volatile organic liquid storage tank at the facility.

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-17: Compliance Certification
Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 226

Item 1-17.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00035
Process: PTC

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 1-17.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for Cold Cleaning Degreasers

A. Equipment Specifications

The following types of control equipment must be used when conducting cold cleaning degreasing, solvent metal cleaning:

- (1) A cover which can be operated easily.
- (2) An internal drainage facility (under cover), if practical.
- (3) A control system that limits VOC emissions to those achievable with equipment having a freeboard ratio greater than or equal to 0.5, or a water cover when the solvent is insoluble in and heavier than water. This does not apply to remote reservoir degreasers.
- (4) Solvent with a vapor pressure of 1.0 mm Hg, or less, at 20 C.

B. Operating Requirements:

When cold cleaning, the clean parts must be drained until dripping ceases.

C. General Requirements:

- A Person conducting solvent metal cleaning must:
- (1) Store solvent in covered containers and transfer solvent in such a manner that less than 20 percent (by weight) can evaporate into the atmosphere.
 - (2) Maintain equipment to minimize leaks and fugitive emissions.
 - (3) Display at the equipment location a conspicuous summary of proper operating procedures consistent with minimizing emissions of VOCs.
 - (4) Keep the degreaser cover closed except when:
 - (a) parts are being placed into or being removed from the degreaser;
 - (b) adding or removing solvent from the degreaser;
 - (c) no solvent is in the degreaser; or



(d) when manually cleaning metal parts in the cold cleaning degreaser.

(5) Create and retain a record of solvent consumption for five years. This record must be made available to the Department upon request.

(6) Not clean sponges, fabric, wood, leather, paper products and other absorbent materials in a degreaser.

(7) If using a cold cleaning degreaser that is subject to paragraph 226.3(a)(4), retain a record of the following three items for five years and provide these records to the Department upon request. An invoice, a bill of sale, a certificate covering multiple sales, a Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this requirement.

(a) the name and address of the solvent supplier;

(b) the type of solvent including the product or vendor identification number; and

(c) the vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).

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 1/30/2005.

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

Condition 1-18: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Replaces Condition(s) 193

Item 1-18.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00051

Emission Point: 32102

Process: K18

Emission Source: 32111

Regulated Contaminant(s):



CAS No: 0NY075-00-0 PARTICULATES

Item 1-18.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To ensure compliance with the .05 gr/dscf particulate standard in 6NYCRR, Part 212.4(c), a pressure drop of -0.5 to 5 inches of water shall be maintained across the baghouse.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: -0.5 inches of water

Upper Permit Limit: 5 inches of water

Monitoring Frequency: PER SHIFT

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED
RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 1-19: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:40CFR 52.21, Subpart A

Replaces Condition(s) 194

Item 1-19.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00051

Emission Point: 32102

Process: K18

Emission Source: 32111

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 1-19.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Particulate emissions from this emission source are limited to .005 gr/dscf. To ensure that this limit is met, the pressure drop across the bags shall be maintained at -0.5 to 5 inches of water.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: -0.5 inches of water

Upper Permit Limit: 5 inches of water



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 1-20: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Replaces Condition(s) 192

Item 1-20.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00051
Process: K18

Emission Point: 32102
Emission Source: 321AA

Item 1-20.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall 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.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any



follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-21: Compliance Certification
Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.4(c)

Item 1-21.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00051	Emission Point: 32106
Process: K18	Emission Source: 321AD

Item 1-21.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. The Department reserves the right to perform or require the performance of a Method 5 emissions evaluation at any time.

The permittee will conduct compliance verifications at the monitoring frequency stated below. These verifications include review of pertinent information relating to particulate emissions of the source, including but not limited to production rate, process material, air flow rate, control equipment parameters, visible emissions, etc. The permittee will confirm that during source operation all pertinent parameters (whether used to directly calculate particulate emission rate, or as surrogates) are within ranges that ensure compliance with the particulate emission rate.

Additionally, the permittee will investigate, in a timely manner, any instance where there is cause to believe that



particulate emissions above 0.050 gr/dscf are occurring or have occurred. These instances include but are not limited to process upsets, control device malfunctions or problems, abnormal visible emissions, complaints, etc. The permittee shall determine the cause of any exceedance, make the necessary correction, and verify that the excess emissions problem has been corrected.

Records of these verifications, investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.050 grains per dscf
Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-22: Compliance Certification
Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Replaces Condition(s) 192

Item 1-22.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00051	Emission Point: 32106
Process: K18	Emission Source: 321AD

Item 1-22.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

No person shall 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.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which



this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Monitoring Frequency: SEMI-ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 6 calendar month(s).

Condition 1-23: Compliance Certification
Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4(c)

Replaces Condition(s) 195

Item 1-23.1:
The Compliance Certification activity will be performed for:

Emission Unit: U-00051 Emission Point: 32107
Process: K18 Emission Source: 32106

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

Item 1-23.2:
Compliance Certification shall include the following monitoring:

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

Monitoring Description:



To ensure compliance with the .05 gr/dscf particulate standard in 6NYCRR, Part 212.4(c), a pressure drop of minus 5 to 5 inches of water shall be maintained across the baghouse.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: -5 inches of water

Upper Permit Limit: 5 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: RANGE - NOT TO FALL OUTSIDE OF STATED RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 1-24: Compliance Certification

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.6(a)

Replaces Condition(s) 192

Item 1-24.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00051

Emission Point: 32107

Process: K18

Emission Source: 321AE

Item 1-24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall 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.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard



RANGE AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 1-26: Compliance Certification
Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable Federal Requirement:6NYCRR 212.6(a)

Replaces Condition(s) 192

Item 1-26.1:

The Compliance Certification activity will be performed for:

Emission Unit: U-00051

Emission Point: M9001

Process: K18

Emission Source: M90AA

Item 1-26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall 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.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is



inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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



STATE ONLY ENFORCEABLE CONDITIONS

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

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

Condition 197: Contaminant List
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable State Requirement:ECL 19-0301

Item 197.1:

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

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

CAS No: 0NY210-00-0



Name: OXIDES OF NITROGEN

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

CAS No: 0NY075-00-5
Name: PM-10

CAS No: 007704-34-9
Name: SULFUR

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

CAS No: 007664-93-9
Name: SULFURIC ACID

CAS No: 0NY998-00-0
Name: VOC

Condition 198: Unavoidable noncompliance and violations
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 198.1:

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

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by



conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

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

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

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

Condition 199: Air pollution prohibited
Effective between the dates of 02/20/2003 and Permit Expiration Date

Applicable State Requirement:6NYCRR 211.2

Item 199.1:

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 1-27: Compliance Demonstration
Effective between the dates of 11/24/2004 and Permit Expiration Date

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

Replaces Condition(s) 200, 201, 202, 203

Item 1-27.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00015

Item 1-27.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL



DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

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

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Appendix B, 40 CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

Condition 1-28: Compliance Demonstration

Effective between the dates of 11/24/2004 and Permit Expiration Date

Applicable State Requirement:6NYCRR 237-1.4(c)(1)

Item 1-28.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-00015

Item 1-28.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) In order to maintain a limited exemption in accordance with Part 237-1.4(c)(1), units with electrical output to the electric grid shall be restricted so that at no time will the supply of the electrical output to the electric grid during the control period, October 1 to April 30 of any given year be greater than or equal to 10 percent of the gross nameplate generation capacity of the units.



(a) Owners and operators of the exempt units shall report the amount of gross generation and the amount of gross generation supplied to the electric grid during the control period by the following June 1 of any given year.

(b) For a period of 5 years from the date the records are created, the owners and operators of exempt units shall retain, at the source that includes the unit, records demonstrating that the conditions of the permit were met, including the restriction of the percentage of gross generation that may be supplied to the electric grid. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Department. The owners and operators bear the burden of proof that the unit met the restriction on the percentage of gross generation that may be supplied to the electric grid.

(c) The owners and operators and, to the extent applicable, the NOx authorized account representative of a unit exempt under this section shall comply with all the requirements of this Part concerning all periods for which the exemption is not in effect. Units shall still maintain compliance with associated 6 NYCRR Part 204 NOx Budget requirements.

(d) The first date on which the units fails to comply , or with regard to which the owners and operators fail to meet their burden of proving that the units are complying, with the restriction on the percentage of gross generation that may be supplied to the electric grid, the unit will lose its exemption in accordance with subparagraph (c)(3)(v) of this section and shall be subject to the requirements of Part 237-3.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

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

**Condition 204: Emissions from new emission sources and/or modifications
Effective between the dates of 02/20/2003 and Permit Expiration Date**

Applicable State Requirement: 6 NYCRR 212.4(a)

Item 204.1:

This Condition applies to Emission Unit: U-00051 Emission Point: 32106

Item 204.2:

No person shall cause or allow emissions that exceed the applicable permissible emission rate as determined

New York State Department of Environmental Conservation

Permit ID: 8-2614-00205/01827

Facility DEC ID: 8261400205



from Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner.

New York State Department of Environmental Conservation

Permit ID: 8-2614-00205/01827

Facility DEC ID: 8261400205

