



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

**IDENTIFICATION INFORMATION**

Permit Type: Air Title V Facility  
Permit ID: 4-0103-00016/00048  
Mod 0 Effective Date: 06/06/2002 Expiration Date: 06/06/2007  
  
SAPA Extended Begin Date: 06/07/2007  
  
Mod 1 Effective Date: Expiration Date:

Permit Issued To: NORLITE CORP  
628 S SARATOGA ST  
COHOES, NY 12047-4644

Contact: TIMOTHY F LACHELL  
NORLITE CORPORATION  
628 S SARATOGA ST  
COHOES, NY 12047  
(518) 235-0401

Facility: NORLITE CORP  
628 S SARATOGA ST  
COHOES, NY 12047

Description:

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

Permit Administrator: WILLIAM J CLARKE  
DIVISION OF ENVIRONMENTAL PERMITS  
1130 N WESTCOTT RD  
SCHENECTADY, NY 12306-2014

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



### Notification of Other State Permittee Obligations

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

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

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

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

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

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

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

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



## LIST OF CONDITIONS

### DEC GENERAL CONDITIONS

#### General Provisions

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

#### Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS



**DEC GENERAL CONDITIONS**

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

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

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

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

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

**Item 1.1:**

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

**Item 1.2:**

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

**Item 1.3:**

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

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

**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

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

**Condition 1-1: Applications for permit renewals, modifications and transfers**

**Applicable State Requirement: 6NYCRR 621.11**

**Item 1-1.1:**

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 1-1.2:**

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 1-1.3:**



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 1-2: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-2.1:**

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 1-2.2:**

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 1-2.3:**

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 1-3: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 1-3.1:**

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

**Expired by Mod No: 1**

**Item 3.1:**

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



granted by the Department must be in writing.

**Item 3.2:**

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

**Condition 1-4: Permit Modifications, Suspensions and Revocations by the Department**

**Applicable State Requirement: 6NYCRR 621.14**

**Item 1-4.1:**

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

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

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

**Applicable State Requirement: 6NYCRR 621.14**

**Expired by Mod No: 1**

**Item 4.1:**

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

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

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

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

**Applicable State Requirement: 6NYCRR 621.5(a)**



**Item 5.1:**

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

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

**Condition 1-5: Submission of application for permit modification or renewal-REGION 4**

**HEADQUARTERS**

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

**Item 1-5.1:**

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

NYSDEC Regional Permit Administrator  
Region 4 Headquarters  
Division of Environmental Permits  
1130 North Westcott Rd.  
Schenectady, NY 12306-2014  
(518) 357-2069



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

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

**IDENTIFICATION INFORMATION**

Permit Issued To: NORLITE CORP  
628 S SARATOGA ST  
COHOES, NY 12047-4644

Facility: NORLITE CORP  
628 S SARATOGA ST  
COHOES, NY 12047

Authorized Activity By Standard Industrial Classification Code:  
3295 - MINERALS, GROUND OR TREATED

Permit Effective Date:

Permit Expiration Date:

SAPA Extended Begin Date: 06/07/2007



## LIST OF CONDITIONS

### DEC GENERAL CONDITIONS

#### General Provisions

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

#### Facility Level

- Submission of Applications for Permit Modification or Renewal -REGION 4 HEADQUARTERS
- Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 1-1 6NYCRR 200.6: Acceptable Ambient Air Quality
- 1-2 6NYCRR 201-6.5(a)(7): Fees
- 1-3 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 1-4 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 1-5 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 24 : Compliance Certification
- 1-6 6NYCRR 201-6.5(e): Compliance Certification
- 25 : Compliance Certification
- 1-7 6NYCRR 215: Open Fires Prohibited at Industrial and Commercial Sites
- 34 : Open Fires Prohibited at Industrial and Commercial Sites
- 3 : Maintenance of equipment
- 1-8 6NYCRR 200.7: Maintenance of Equipment
- 6 : Recycling and Salvage
- 1-9 6NYCRR 201-1.7: Recycling and Salvage
- 1-20 6NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 7 : Prohibition of Reintroduction of Collected Contaminants to the Air
- 1-10 6NYCRR 201-3.2(a): Exempt Sources - Proof of Eligibility
- 9 : Proof of Eligibility
- 10 : Proof of Eligibility
- 1-11 6NYCRR 201-3.3(a): Trivial Sources - Proof of Eligibility
- 1-12 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 1-13 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 1-14 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 1-15 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 28 : Required emissions tests
- 1-16 6NYCRR 202-1.1: Required Emissions Tests
- 1-17 6NYCRR 211.3: Visible Emissions Limited
- 31 : Visible emissions limited.



- 1-18 40CFR 68: Accidental release provisions.
  - 1-19 40CFR 82, Subpart F: Recycling and Emissions Reduction
  - 44 40CFR 82, Subpart F: Recycling and Emissions Reduction
    - 1 : Sealing
    - 2 : Acceptable ambient air quality
    - 4 : Unpermitted Emission Sources
    - 5 : Emergency Defense
    - 8 : Public Access to Recordkeeping for Title V facilities
    - 11 : Applicable Criteria, Limits, Terms, Conditions and Standards
    - 12 : Cessation or Reduction of Permitted Activity Not a Defense
    - 13 : Compliance Requirements
    - 14 : Federally-Enforceable Requirements
    - 15 : Fees
    - 16 : Monitoring, Related Recordkeeping and Reporting Requirements
    - 17 : Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
    - 18 : Permit Shield
    - 19 : Property Rights
    - 20 : Reopening for Cause
    - 21 : Right to Inspect
    - 22 : Severability
  - 23 6NYCRR 201-6: Emission Unit Definition
    - 1-21 6NYCRR 201-6.5(f): Compliance Certification
    - 26 : Compliance Certification
    - 27 : Permit Exclusion Provisions
    - 32 : Compliance Certification
    - 33 : Sampling and Monitoring
    - 1-22 6NYCRR 225-1.2(a)(2): Compliance Certification
    - 35 : Compliance Certification
    - 1-23 6NYCRR 225-1.2(a)(2): Compliance Certification
    - 36 : Compliance Certification
    - 1-24 6NYCRR 225-2.7(d): Availability of records for Department inspection.
    - 1-25 40CFR 61.242-1(d), NESHAP Subpart V: General Standards - marking equipment
    - 1-26 40CFR 61.246(d), NESHAP Subpart V: Compliance Certification
    - 1-27 40CFR 61.247(a)(1), NESHAP Subpart V: Reporting requirements - Initial report
  - 40 40CFR 63, Subpart EEE: Compliance Certification
  - 41 40CFR 63.1205(e), Subpart EEE: Compliance Certification
  - 42 40CFR 63.1205(e), Subpart EEE: Compliance Certification
  - 43 40CFR 63.1210, Subpart EEE: Compliance Certification
- Emission Unit Level**
- 45 6NYCRR 201-6: Emission Point Definition By Emission Unit
  - 46 6NYCRR 201-6: Process Definition By Emission Unit

**EU=C-RUSHS**

- 1-28 6NYCRR 212.6(a): Compliance Certification

**EU=C-RUSHS,Proc=OOO**

- 47 40CFR 60.672(c), NSPS Subpart OOO: Compliance Certification

**EU=C-RUSHS,Proc=OOO,ES=PRTJC**

- 1-29 40CFR 60.672(c), NSPS Subpart OOO: Compliance Certification



1-30 40CFR 60.675(c), NSPS Subpart OOO: Compliance Certification

**EU=K-ILNSG**

- 1-31 6NYCRR 212.6(a): Compliance Certification
- 1-32 40CFR 63.1205(c)(2), Subpart EEE: Compliance Certification
- 48 40CFR 63.1206, Subpart EEE: Operating requirements
- 49 40CFR 63.1206, Subpart EEE: Operator training and certification requirements
- 50 40CFR 63.1206(b), Subpart EEE: Compliance Certification
- 51 40CFR 63.1209, Subpart EEE: Limits on operating parameters based on comprehensive performance testing.
- 1-33 40CFR 63.1209(q), Subpart EEE: Operations under different modes of operation
- 1-34 40CFR 63.1209(q)(1), Subpart EEE: Operations when residence time has expired
- 1-35 40CFR 63.1209(q)(2), Subpart EEE: Calculating rolling averages under different modes of operation
- 52 40CFR 63.1210, Subpart EEE: Compliance Certification
- 53 40CFR 63.1210, Subpart EEE: Compliance Certification
- 54 40CFR 63.1211, Subpart EEE: Compliance Certification
- 55 40CFR 63.1211, Subpart EEE: Compliance Certification
- 56 40CFR 63.1211, Subpart EEE: Compliance Certification
- 57 40CFR 63.1211, Subpart EEE: Compliance Certification
- 58 40CFR 63.1211, Subpart EEE: Compliance Certification
- 59 40CFR 63.1211, Subpart EEE: Compliance Certification

**EU=K-ILNSG,Proc=KAF**

- 1-36 6NYCRR 225-2.3(b)(3): Compliance Certification
- 1-37 6NYCRR 225-2.4(a)(2): Compliance Certification
- 1-38 6NYCRR 225-2.4(a)(2): Compliance Certification
- 1-39 6NYCRR 225-2.4(a)(2): Compliance Certification
- 1-40 6NYCRR 225-2.4(a)(2): Compliance Certification
- 1-41 6NYCRR 225-2.4(a)(2): Compliance Certification

**EU=K-ILNSG,Proc=KCC**

- 60 : Compliance Certification

**EU=K-ILNSG,Proc=KHF**

- 1-42 6NYCRR 212.5(e): Compliance Certification
- 1-43 6NYCRR 212.5(e): Compliance Certification
- 1-44 40CFR 63, Subpart A: NESHAP General Provisions
- 1-45 40CFR 63.1205(a)(1), Subpart EEE: Compliance Certification
- 1-46 40CFR 63.1205(a)(2), Subpart EEE: Compliance Certification
- 1-47 40CFR 63.1205(a)(3), Subpart EEE: Compliance Certification
- 1-48 40CFR 63.1205(a)(4), Subpart EEE: Compliance Certification
- 1-49 40CFR 63.1205(a)(5)(i), Subpart EEE: Compliance Certification
- 1-50 40CFR 63.1205(a)(5)(ii), Subpart EEE: Compliance Certification
- 1-51 40CFR 63.1205(a)(6), Subpart EEE: Compliance Certification
- 1-52 40CFR 63.1205(a)(7), Subpart EEE: Compliance Certification
- 1-53 40CFR 63.1205(c)(1), Subpart EEE: Compliance Certification
- 1-54 40CFR 63.1205(d), Subpart EEE: Compliance Certification
- 1-55 40CFR 63.1206(b)(1), Subpart EEE: Periods when emission units are subject to Subpart EEE



- 1-56 40CFR 63.1206(b)(2), Subpart EEE: Methods for determining compliance with Subpart EEE
- 1-57 40CFR 63.1206(b)(5), Subpart EEE: Compliance Certification
- 1-58 40CFR 63.1206(b)(6), Subpart EEE: Compliance Certification
- 1-59 40CFR 63.1206(b)(7), Subpart EEE: Compliance with a DRE standard
- 1-60 40CFR 63.1206(b)(11), Subpart EEE: Calculation of hazardous waste residence time
- 1-61 40CFR 63.1206(b)(12), Subpart EEE: Documenting compliance with the emission standards based on performance testing
- 1-62 40CFR 63.1206(c)(1), Subpart EEE: General operating requirements
- 1-63 40CFR 63.1206(c)(2), Subpart EEE: §63.1206(c)(2)(iii) - Identification of projected oxygen correction factor
- 1-64 40CFR 63.1206(c)(2), Subpart EEE: §63.1206(c)(2)(iv) - Recording of Startup/Shutdown/Malfunction plan
- 1-65 40CFR 63.1206(c)(2), Subpart EEE: Compliance Certification
- 1-66 40CFR 63.1206(c)(2), Subpart EEE: Compliance Certification
- 1-67 40CFR 63.1206(c)(3), Subpart EEE: §63.1206(c)(3)(i) - Corrective measures
- 1-68 40CFR 63.1206(c)(3), Subpart EEE: §63.1206(c)(3)(ii) - Ducting of combustion gases
- 1-69 40CFR 63.1206(c)(3), Subpart EEE: §63.1206(c)(3)(iii) - Restarting waste feed
- 1-70 40CFR 63.1206(c)(3), Subpart EEE: §63.1206(c)(3)(iv) - Failure of the AWFCO system
- 1-71 40CFR 63.1206(c)(3), Subpart EEE: Compliance Certification
- 1-72 40CFR 63.1206(c)(3), Subpart EEE: Compliance Certification
- 1-73 40CFR 63.1206(c)(3), Subpart EEE: Compliance Certification
- 1-74 40CFR 63.1206(c)(5), Subpart EEE: Compliance Certification
- 1-75 40CFR 63.1206(c)(6), Subpart EEE: §63.1206(c)(6)(i) - Record of training and certification
- 1-76 40CFR 63.1206(c)(6), Subpart EEE: §63.1206(c)(6)(i) - Requirements for control room operators at cement kiln and lightweight aggregate kilns
- 1-77 40CFR 63.1206(c)(6), Subpart EEE: §63.1206(c)(6)(ii) - Certified operator on site
- 1-78 40CFR 63.1206(c)(6), Subpart EEE: Compliance Certification
- 1-79 40CFR 63.1206(c)(6), Subpart EEE: Compliance Certification
- 1-80 40CFR 63.1206(c)(6), Subpart EEE: Compliance Certification
- 1-81 40CFR 63.1206(c)(7), Subpart EEE: Compliance Certification
- 1-82 40CFR 63.1206(c)(7), Subpart EEE: Compliance Certification
- 1-83 40CFR 63.1206(c)(7), Subpart EEE: Compliance Certification
- 1-84 40CFR 63.1207(a), Subpart EEE: Applicability of Subpart A performance testing requirements
- 1-85 40CFR 63.1207(b)(1), Subpart EEE: Compliance Certification
- 1-86 40CFR 63.1207(b)(2), Subpart EEE: Compliance Certification
- 1-87 40CFR 63.1207(e)(2), Subpart EEE: Public review of test plan
- 1-88 40CFR 63.1207(f)(1), Subpart EEE: Content of comprehensive test plan
- 1-89 40CFR 63.1207(f)(2), Subpart EEE: Content of confirmatory test plan
- 1-90 40CFR 63.1207(g)(1), Subpart EEE: Operating conditions during comprehensive performance test
- 1-91 40CFR 63.1207(g)(2), Subpart EEE: Operating conditions during confirmatory performance testing
- 1-92 40CFR 63.1207(h)(1), Subpart EEE: Operating conditions during



- subsequent testing
- 1-93 40CFR 63.1207(h)(2), Subpart EEE: Operating conditions during subsequent pretesting
- 1-94 40CFR 63.1207(j)(1), Subpart EEE: Notification of compliance for comprehensive performance test
- 1-95 40CFR 63.1207(j)(2), Subpart EEE: Notification of compliance for confirmatory performance testing
- 1-96 40CFR 63.1207(j)(3), Subpart EEE: Notification of Compliance - incorporation by reference of other requirements
- 1-97 40CFR 63.1207(l), Subpart EEE: Failure of performance test - comprehensive test
- 1-98 40CFR 63.1207(l), Subpart EEE: Failure of performance test - confirmatory test
- 1-99 40CFR 63.1207(l), Subpart EEE: Petition to burn hazardous waste after performance test failure
- 1-100 40CFR 63.1209(a)(1), Subpart EEE: Compliance Certification
- 1-101 40CFR 63.1209(a)(2), Subpart EEE: Compliance Certification
- 1-102 40CFR 63.1209(a)(2), Subpart EEE: Compliance Certification
- 1-103 40CFR 63.1209(a)(3), Subpart EEE: Compliance Certification
- 1-104 40CFR 63.1209(a)(6), Subpart EEE: Calculation of rolling averages
- 1-105 40CFR 63.1209(a)(7), Subpart EEE: Operating parameter limits for hydrocarbons
- 1-106 40CFR 63.1209(b)(1), Subpart EEE: Continuous monitoring systems for compliance with operating parameter limits
- 1-107 40CFR 63.1209(b)(2)(i), Subpart EEE: Compliance Certification
- 1-108 40CFR 63.1209(b)(3), Subpart EEE: Sampling intervals for continuous monitoring systems
- 1-109 40CFR 63.1209(b)(4), Subpart EEE: Continuous Monitoring Systems span limit
- 1-110 40CFR 63.1209(b)(5), Subpart EEE: Calculation of rolling averages for continuous monitoring systems
- 1-111 40CFR 63.1209(c)(1), Subpart EEE: General feedstream analysis requirements
- 1-112 40CFR 63.1209(c)(2), Subpart EEE: Compliance Certification
- 1-113 40CFR 63.1209(c)(3), Subpart EEE: Compliance Certification
- 1-114 40CFR 63.1209(c)(4), Subpart EEE: Compliance Certification
- 1-115 40CFR 63.1209(c)(5), Subpart EEE: Waiver of monitoring of constituents in certain feedstreams
- 1-116 40CFR 63.1209(d), Subpart EEE: Compliance Certification
- 1-117 40CFR 63.1209(e), Subpart EEE: Conduct of monitoring
- 1-118 40CFR 63.1209(f), Subpart EEE: Operation and maintenance of continuous monitoring systems
- 1-119 40CFR 63.1209(h), Subpart EEE: Reduction of monitoring data
- 1-120 40CFR 63.1209(i), Subpart EEE: Compliance Certification
- 1-121 40CFR 63.1209(j)(1), Subpart EEE: Compliance Certification
- 1-122 40CFR 63.1209(j)(4), Subpart EEE: Compliance Certification
- 1-123 40CFR 63.1209(k)(1), Subpart EEE: Compliance Certification
- 1-124 40CFR 63.1209(l)(2), Subpart EEE: Wet scrubber limits
- 1-125 40CFR 63.1209(m)(1)(i)(B'), Subpart EEE: Compliance Certification
- 1-126 40CFR 63.1209(m)(1)(i)(B'), Subpart EEE: Compliance Certification
- 1-127 40CFR 63.1209(n)(1), Subpart EEE: Compliance Certification
- 1-128 40CFR 63.1209(n)(2)(ii), Subpart EEE: Feedrate extrapolation for max. feedrate of semivolatile and low volatile metals



- 1-129 40CFR 63.1209(o)(3)(iv), Subpart EEE: Compliance Certification
- 1-130 40CFR 63.1209(o)(3)(v), Subpart EEE: Compliance Certification
- 1-131 40CFR 63.1209(o)(4)(i), Subpart EEE: Compliance Certification
- 1-132 40CFR 63.1209(o)(4)(ii), Subpart EEE: Compliance Certification
- 1-133 40CFR 63.1209(o)(4)(iii), Subpart EEE: Compliance Certification
- 1-134 40CFR 63.1209(p), Subpart EEE: Compliance Certification
- 1-135 40CFR 63.1210, Subpart EEE: Initial notification that the permittee is subject to subpart EEE
- 1-136 40CFR 63.1210, Subpart EEE: Compliance Certification
- 1-137 40CFR 63.1211, Subpart EEE: Compliance Certification
- 1-138 40CFR 63.1211, Subpart EEE: Compliance Certification
- 1-139 40CFR 63.1211, Subpart EEE: Compliance Certification
- 1-140 40CFR 63.1211, Subpart EEE: Compliance Certification
- 1-141 40CFR 63.1211(b), Subpart EEE: Compliance Certification

**EU=K-ILNSG,Proc=KHF,ES=K1CT3**

- 1-142 40CFR 63.1209(m)(1)(i)(A'), Subpart EEE: Compliance Certification

**EU=K-ILNSG,Proc=KHF,ES=K2CT3**

- 1-143 40CFR 63.1209(m)(1)(i)(A'), Subpart EEE: Compliance Certification

**EU=K-ILNSG,Proc=KNF**

- 61 : Compliance Certification

**EU=K-ILNSG,EP=00001**

- 62 : Compliance Certification
- 63 : Compliance Certification
- 64 : Compliance Certification
- 65 : Compliance Certification
- 66 : Compliance Certification
- 1-144 6NYCRR 212.3(b): Compliance Certification
- 67 : Compliance Certification
- 68 : Compliance Certification
- 69 : Compliance Certification
- 70 : Compliance Certification
- 1-145 6NYCRR 212.10(c): Compliance Certification
- 71 40CFR 63.1205(a)(1), Subpart EEE: Compliance Certification
- 72 40CFR 63.1205(a)(2), Subpart EEE: Compliance Certification
- 73 40CFR 63.1205(a)(3), Subpart EEE: Compliance Certification
- 74 40CFR 63.1205(a)(4), Subpart EEE: Compliance Certification
- 75 40CFR 63.1205(a)(5)(i), Subpart EEE: Compliance Certification
- 76 40CFR 63.1205(a)(5)(ii), Subpart EEE: Compliance Certification
- 77 40CFR 63.1205(a)(6), Subpart EEE: Compliance Certification
- 78 40CFR 63.1205(a)(7), Subpart EEE: Compliance Certification
- 79 40CFR 63.1205(c)(1), Subpart EEE: Compliance Certification
- 80 40CFR 63.1205(c)(2), Subpart EEE: Compliance Certification
- 81 40CFR 63.1207, Subpart EEE: Types of performance tests - (1)  
Comprehensive performance test (cpt)
- 82 40CFR 63.1207, Subpart EEE: Types of performance tests - (2)  
Confirmatory performance test (ct)
- 83 40CFR 63.1207, Subpart EEE: Compliance Certification
- 84 40CFR 63.1207, Subpart EEE: Compliance Certification



- 85 40CFR 63.1211, Subpart EEE: Compliance Certification
- 86 40CFR 63.1211, Subpart EEE: Compliance Certification

**EU=K-ILNSG,EP=00001,Proc=KHF**

- 1-146 40CFR 63.1209(j)(2), Subpart EEE: Compliance Certification
- 1-147 40CFR 63.1209(j)(3), Subpart EEE: Compliance Certification
- 1-148 40CFR 63.1209(l)(1), Subpart EEE: Compliance Certification
- 1-149 40CFR 63.1209(n)(2)(i), Subpart EEE: Compliance Certification
- 1-150 40CFR 63.1209(n)(2)(i), Subpart EEE: Compliance Certification
- 1-151 40CFR 63.1209(n)(2)(i), Subpart EEE: Compliance Certification
- 1-152 40CFR 63.1209(n)(4), Subpart EEE: Compliance Certification

**EU=K-ILNSG,EP=00002**

- 87 : Compliance Certification
- 88 : Compliance Certification
- 89 : Compliance Certification
- 90 : Compliance Certification
- 91 : Compliance Certification
- 92 : Compliance Certification
- 1-153 6NYCRR 212.3(b): Compliance Certification
- 93 : Compliance Certification
- 94 : Compliance Certification
- 95 : Compliance Certification
- 96 : Compliance Certification
- 97 : Compliance Certification
- 1-154 6NYCRR 212.10(c): Compliance Certification
- 98 40CFR 63.1205(a)(1), Subpart EEE: Compliance Certification
- 99 40CFR 63.1205(a)(2), Subpart EEE: Compliance Certification
- 100 40CFR 63.1205(a)(3), Subpart EEE: Compliance Certification
- 101 40CFR 63.1205(a)(4), Subpart EEE: Compliance Certification
- 102 40CFR 63.1205(a)(5)(i), Subpart EEE: Compliance Certification
- 103 40CFR 63.1205(a)(5)(ii), Subpart EEE: Compliance Certification
- 104 40CFR 63.1205(a)(6), Subpart EEE: Compliance Certification
- 105 40CFR 63.1205(a)(7), Subpart EEE: Compliance Certification
- 106 40CFR 63.1205(c)(1), Subpart EEE: Compliance Certification
- 107 40CFR 63.1205(c)(2), Subpart EEE: Compliance Certification
- 108 40CFR 63.1207, Subpart EEE: Types of performance tests - (1)  
Comprehensive performance test (cpt)
- 109 40CFR 63.1207, Subpart EEE: Types of performance tests - (2)  
Confirmatory performance test (ct)
- 110 40CFR 63.1207, Subpart EEE: Compliance Certification
- 111 40CFR 63.1207, Subpart EEE: Compliance Certification
- 112 40CFR 63.1211, Subpart EEE: Compliance Certification
- 113 40CFR 63.1211, Subpart EEE: Compliance Certification

**EU=K-ILNSG,EP=00002,Proc=KHF**

- 1-155 40CFR 63.1209(j)(2), Subpart EEE: Compliance Certification
- 1-156 40CFR 63.1209(j)(3), Subpart EEE: Compliance Certification
- 1-157 40CFR 63.1209(l)(1), Subpart EEE: Compliance Certification
- 1-158 40CFR 63.1209(n)(2)(i), Subpart EEE: Compliance Certification
- 1-159 40CFR 63.1209(n)(2)(i), Subpart EEE: Compliance Certification
- 1-160 40CFR 63.1209(n)(2)(i), Subpart EEE: Compliance Certification



1-161 40CFR 63.1209(n)(4), Subpart EEE: Compliance Certification

**EU=K-ILNSG,EP=0003A**

1-162 6NYCRR 212.4(c): Compliance Certification

**EU=K-ILNSG,EP=0003B**

1-163 6NYCRR 212.4(c): Compliance Certification

**EU=M-ISCES**

1-164 40CFR 61.242-2(a)(1), NESHAP Subpart V: Compliance Certification

1-165 40CFR 61.242-2(a)(2), NESHAP Subpart V: Compliance Certification

1-166 40CFR 61.242-6, NESHAP Subpart V: Standards for open ended valves or lines

1-167 40CFR 61.242-7(a), NESHAP Subpart V: Compliance Certification

1-168 40CFR 61.242-7(g), NESHAP Subpart V: Standards for valves: exemption for unsafe-to-monitor valves

1-169 40CFR 61.242-7(h), NESHAP Subpart V: Standards for valves: exemption for difficult-to-monitor valves

1-170 40CFR 61.242-8, NESHAP Subpart V: Compliance Certification

1-171 40CFR 61.242-10, NESHAP Subpart V: Standards for delay of repair

1-172 40CFR 61.242-11, NESHAP Subpart V: §61.242-11(b) - Standards for vapor recovery systems

1-173 40CFR 61.242-11, NESHAP Subpart V: §61.242-11(f) - Standards for closed-vent systems

1-174 40CFR 61.242-11, NESHAP Subpart V: §61.242-11(m) - Standards for operation of closed vent systems and control devices

1-175 40CFR 61.243-2, NESHAP Subpart V: Compliance Certification

1-176 40CFR 61.245(b), NESHAP Subpart V: Monitoring requirements

1-177 40CFR 61.245(c), NESHAP Subpart V: Monitoring requirements for no detectable emissions

1-178 40CFR 61.246(b), NESHAP Subpart V: Compliance Certification

1-179 40CFR 61.246(c), NESHAP Subpart V: Compliance Certification

1-180 40CFR 61.246(e), NESHAP Subpart V: Compliance Certification

1-181 40CFR 61.246(f), NESHAP Subpart V: Compliance Certification

1-182 40CFR 61.247, NESHAP Subpart V: Compliance Certification

1-183 40CFR 63.680, Subpart DD: General Provisions Applicability

1-184 40CFR 63.683(b)(1), Subpart DD: Compliance Certification

1-185 40CFR 63.683(d), Subpart DD: Compliance Certification

1-186 40CFR 63.688, Subpart DD: §63.688(b) - Containers with a capacity > 26.4 gal & < 121.52 gal or containers with a capacity > 121.52 gal & not in light-material service

1-187 40CFR 63.688, Subpart DD: §63.688(b)(3) - Containers with a capacity > 121.52 gallons and in light material service

1-188 40CFR 63.689(c), Subpart DD: Compliance Certification

1-189 40CFR 63.691, Subpart DD: Equipment leak standards - Subpart V option

1-190 40CFR 63.693(b), Subpart DD: Compliance Certification

1-191 40CFR 63.693(c), Subpart DD: Compliance Certification

1-192 40CFR 63.693(d), Subpart DD: Compliance Certification

1-193 40CFR 63.693(d), Subpart DD: Compliance Certification

1-194 40CFR 63.693(d), Subpart DD: Compliance Certification

1-195 40CFR 63.693(d), Subpart DD: Compliance Certification



- 1-196 40CFR 63.693(d), Subpart DD: Compliance Certification
- 1-197 40CFR 63.695(c), Subpart DD: Compliance Certification
- 1-198 40CFR 63.695(c), Subpart DD: Compliance Certification
- 1-199 40CFR 63.696, Subpart DD: Compliance Certification
- 1-200 40CFR 63.697, Subpart DD: Compliance Certification
- 1-201 40CFR 63.926(a), Subpart PP: Inspection and monitoring procedures for Container Level 1 and 2 controls

**EU=M-ISCES,Proc=DRS**

- 114 40CFR 63.683(b)(2)(ii), Subpart DD: Compliance Certification
- 115 40CFR 63.683(b)(3), Subpart DD: Equipment leak provisions
- 116 40CFR 63.683(d), Subpart DD: Compliance Certification
- 117 40CFR 63.688, Subpart DD: Standards - containers with a capacity > 121.52 gallons and in light material service
- 118 40CFR 63.688, Subpart DD: Standards - containers with a capacity > 26.4 gallons and < 121.52 gallons or containers with a capacity > 121.52 gallons and not in light-material service

**EU=M-ISCES,Proc=FSH**

- 119 : Compliance Certification
- 1-202 6NYCRR 212.6(a): Compliance Certification

**EU=M-ISCES,Proc=FTS**

- 120 40CFR 63.683(b)(2)(ii), Subpart DD: Compliance Certification
- 121 40CFR 63.683(b)(2)(ii), Subpart DD: Compliance Certification
- 122 40CFR 63.683(c), Subpart DD: Compliance Certification

**EU=M-ISCES,Proc=KFR**

- 1-203 6NYCRR 212.6(a): Compliance Certification

**EU=M-ISCES,Proc=PSH**

- 1-204 6NYCRR 212.6(a): Compliance Certification

**EU=M-ISCES,Proc=ULF**

- 123 40CFR 63.683(b)(2)(ii), Subpart DD: Compliance Certification
- 124 40CFR 63.683(b)(2)(ii), Subpart DD: Compliance Certification
- 125 40CFR 63.683(c), Subpart DD: Compliance Certification

**EU=S-TANKS**

- 1-205 40CFR 63.685(g)(1), Subpart DD: Compliance Certification
- 1-206 40CFR 63.685(g)(2), Subpart DD: Compliance Certification
- 1-207 40CFR 63.695(b)(3), Subpart DD: Compliance Certification
- 1-208 40CFR 63.695(b)(4), Subpart DD: Compliance Certification

**EU=S-TANKS,Proc=HFT**

- 126 : Compliance Certification
- 127 : Compliance Certification
- 1-209 40CFR 63.683(b)(2)(v), Subpart DD: Compliance Certification

**EU=S-TANKS,Proc=HWT**

- 128 40CFR 63.683(b)(3), Subpart DD: Equipment leak provisions
- 129 40CFR 63.683(d), Subpart DD: Compliance Certification



**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 1-210 ECL 19-0301: Contaminant List
- 131 : General Provisions
- 132 : Permit Exclusion Provisions
- 133 : Contaminant List
- 1-211 6NYCRR 211.2: Compliance Demonstration

**Emission Unit Level**

**EU=K-ILNSG,Proc=KHF**

- 1-212 6NYCRR 212.3(a): Compliance Demonstration

**EU=K-ILNSG,EP=00001**

- 135 : Compliance Demonstration

**EU=K-ILNSG,EP=00002**

- 136 : Compliance Demonstration



**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 1-1: Acceptable Ambient Air Quality  
Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 200.6**

**Item 1-1.1:**

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 1-2: Fees  
Effective for entire length of Permit**

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

**Item 1-2.1:**

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 1-3: Recordkeeping and reporting of compliance monitoring  
Effective for entire length of Permit**

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

**Item 1-3.1:**

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

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



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

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

**Condition 1-4: Monitoring, Related Recordkeeping, and Reporting Requirements.**

**Effective for entire length of Permit**

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

**Item 1-4.1:**

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

**Condition 1-5: Compliance Certification**

**Effective for entire length of Permit**

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

**Item 1-5.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 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: SEMI-ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 24: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**



**Item 24.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 24.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

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

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

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



requirement shall apply.

If any of the above conditions are met, the source must notify the permitting authority by telephone 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) through (4) 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 paragraph (1) through (4) of this section must also be identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

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

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

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



addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: SEMI-ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-6: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-6.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-6.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
  - the identification of each term or condition of the permit that is the basis of the certification;
  - the compliance status;
  - whether compliance was continuous or intermittent;
  - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
  - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
  - such additional requirements as may be specified elsewhere in this permit related to compliance certification.

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



iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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:

1150 North Westcott Road  
Schenectady, NY 12306-2014

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 1/30/2003.  
Subsequent reports are due on the same day each year

**Condition 25: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 25.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 25.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Compliance certifications shall contain the following information:

- the identification of each term or condition of the permit that is the basis of the certification;
- the compliance status;
- whether compliance was continuous or intermittent;
- the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
- such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
- and
- such additional requirements as may be specified elsewhere in this permit related to compliance certification.

Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

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

The address for the RAPCE is as follows:

1150 North Westcott Road  
Schenectady, NY 12306-2014

The address for the BCME is as follows:

NYSDEC  
Bureau of Compliance Monitoring



and Enforcement  
625 Broadway  
Albany, NY 12233-3258

Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 1/30/2003.  
Subsequent reports are due every 12 calendar month(s).

**Condition 1-7: Open Fires Prohibited at Industrial and Commercial Sites  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 215**

**Item 1-7.1:**

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.

**Condition 34: Open Fires Prohibited at Industrial and Commercial Sites  
Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 34.1:**

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

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

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

**Condition 3: Maintenance of equipment  
Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 3.1:**

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



**Condition 1-8: Maintenance of Equipment**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 200.7**

**Item 1-8.1:**

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 6: Recycling and Salvage**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 6.1:**

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

**Condition 1-9: Recycling and Salvage**  
**Effective for entire length of Permit**

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

**Item 1-9.1:**

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 1-20: Prohibition of Reintroduction of Collected Contaminants to the air**  
**Effective for entire length of Permit**

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

**Item 1-20.1:**

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 7: Prohibition of Reintroduction of Collected Contaminants to the Air**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 7.1:**



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

**Condition 1-10: Exempt Sources - Proof of Eligibility**  
**Effective for entire length of Permit**

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

**Item 1-10.1:**

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in 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 9: Proof of Eligibility**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 9.1:**

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

**Condition 10: Proof of Eligibility**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 10.1:**

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

**Condition 1-11: Trivial Sources - Proof of Eligibility**



**Effective for entire length of Permit**

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

**Item 1-11.1:**

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 1-12: Standard Requirement - Provide Information**  
**Effective for entire length of Permit**

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

**Item 1-12.1:**

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 1-13: General Condition - Right to Inspect**  
**Effective for entire length of Permit**

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

**Item 1-13.1:**

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 1-14: Standard Requirements - Progress Reports**  
**Effective for entire length of Permit**

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

**Item 1-14.1:**

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 1-15: Off Permit Changes**  
**Effective for entire length of Permit**

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

**Item 1-15.1:**

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 28: Required emissions tests**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 28.1:**

An acceptable report of measured emissions shall be submitted, as may be required by the commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or



regulation. Failure to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

**Condition 1-16: Required Emissions Tests**  
**Effective for entire length of Permit**

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

**Item 1-16.1:**

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 1-17: Visible Emissions Limited**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 211.3**

**Item 1-17.1:**

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

**Condition 31: Visible emissions limited.**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 31.1:**

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 1-18: Accidental release provisions.**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 68**

**Item 1-18.1:**

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



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

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

**Condition 1-19: Recycling and Emissions Reduction**  
**Effective for entire length of Permit**

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

**Item 1-19.1:**

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

**Condition 44: Recycling and Emissions Reduction**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

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

**Expired by Mod 1**

**Item 44.1:**

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

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



with the leak repair requirements pursuant to 40 CFR Part 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR Part 82.166.

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

**Condition 1: Sealing**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 1.1:**

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

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

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

**Condition 2: Acceptable ambient air quality**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 2.1:**

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

**Condition 4: Unpermitted Emission Sources**



**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 4.1:**

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

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

**Condition 5: Emergency Defense**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 5.1:**

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

- (a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
  - (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
  - (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
  - (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- (b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.
- (c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.



**Condition 8: Public Access to Recordkeeping for Title V facilities**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 8.1:**

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

**Condition 11: Applicable Criteria, Limits, Terms, Conditions and Standards**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 11.1:**

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

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

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

**Item 11.2:**

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

**Condition 12: Cessation or Reduction of Permitted Activity Not a Defense**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 12.1:**

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



**Condition 13: Compliance Requirements**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 13.1:**

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

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

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

**Item 13.2:**

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

**Item 13.3:**

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

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

**Condition 14: Federally-Enforceable Requirements**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**



**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 14.1:**

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

**Condition 15: Fees**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 15.1:**

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

**Condition 16: Monitoring, Related Recordkeeping and Reporting Requirements**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 16.1:**

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

**Condition 17: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 17.1:**

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

The permittee shall furnish to the Department, within a reasonable time, any information



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

**Condition 18: Permit Shield**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 18.1:**

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

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

**Condition 19: Property Rights**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 19.1:**

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

**Condition 20: Reopening for Cause**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**



**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 20.1:**

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

**Item 20.2:**

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

**Item 20.3:**

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

**Condition 21: Right to Inspect**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 21.1:**

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

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;



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

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

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Condition 22: Severability**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 22.1:**

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

**Condition 23: Emission Unit Definition**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

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

**Item 23.1(From Mod 1):**

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

Emission Unit: C-RUSHS

Emission Unit Description:

SHALE AND LIGHTWEIGHT CRUSHERS

This emission unit covers the crushers for the raw shale and crushers for the expanded shale from the kiln.

Buildings:

B1 : Primary Plant which processes the raw shale from the quarry

B2 : Finishing Plant which processes the expanded aggregate from the kiln

B5 : Quarry

Building(s): B1

B2

B5

**Item 23.2(From Mod 1):**

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

Emission Unit: K-ILNSG



Emission Unit Description:

PRODUCTION OF EXPANDED AGGREGATE IN ROTARY  
KILNS USING NATURAL SHALE AS THE RAW  
MATERIAL FEED AND THE FOLLOWING AS FUEL

SOURCES:

- 1) HAZARDOUS WASTE
- 2) WASTE FUEL A
- 3) OFF-SPECIFICATION USED OIL
- 4) SPECIFICATION USED OIL
- 5) COMPARABLE FUELS
- 6) NUMBER 2 OIL
- 7) NUMBER 4 OIL
- 8) NUMBER 6 OIL
- 9) NATURAL GAS

This emission unit covers the operation of  
the following:

Kiln # 1, Emission point 00001

Kiln # 2, Emission point  
00002

Clinker cooler #1, Emission Point #  
0003A

Clinker Cooler #2, Emission point #  
0003B

Building : B3, Main Plant

Building(s): B3

**Item 23.3(From Mod 1):**

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

Emission Unit: M-ISCES

Emission Unit Description:

TRANSPORTATION, LOADING AND UNLOADING OF  
PRODUCT, KILN FEED AND RIM SEAL, SCREENING  
AND HOPPER OPERATIONS, UNLOADING OF FUEL,  
DRUM STORAGE, FUEL TRANSFER SYSTEM,

Building(s): B1  
B2  
B3  
B4  
B5

**Item 23.4(From Mod 1):**

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

Emission Unit: S-TANKS

Emission Unit Description:

HAZARDOUS WASTE FUEL STORAGE TANKS

Building(s): B4



**Item 23.5(From Mod 1):**

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

Emission Unit: S-TPOPS

Emission Unit Description:

STORAGE PILE OPERATIONS.

Building(s): B1

B2

**Condition 1-21: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-21.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

CAS No: 007446-09-5 SULFUR DIOXIDE

CAS No: 0NY075-00-0 PARTICULATES

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

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

CAS No: 0NY998-00-0 VOC

CAS No: 0NY100-00-0 HAP

**Item 1-21.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

OPERATIONAL FLEXIBILITY PLAN

(A) Operational Flexibility Authorized under 6 NYCRR Part 201:

No permit modifications will be required under any approved emissions trading, economic incentives, marketable permits, or other similar programs or processes for changes that are provided for in the permit.

(1) Alternate operating scenarios. The permittee may propose a range of operating conditions that will allow flexibility to operate under more than one operating scenario. If any such scenarios have been specified within this permit, operation under each proposed alternate operating scenario is authorized without requiring a permit revision. The permittee must track and report the scenarios that the major stationary source operates under according to the requirements of this permit, and contemporaneously with making a change from one operating scenario to another, the facility owner



and operator must record the scenarios in a log at the facility. The alternate operating scenarios shall be specified by terms and conditions stated in the permit and shall not contravene any applicable requirement. Alternative operating scenarios may include but are not limited to:

(i) Specifying, as maximum permissible operating conditions, alternative operational scenarios that can be expected to occur during the term of the permit.

(ii) The specification of the maximum permissible emissions rate as the enforceable limit unless the operational capacity of the emissions source or emission unit is limited as a result of applicable or other requirements.

(iii) The aggregation of emissions from emission units to be detailed under an approved operational flexibility plan, describing the manner in which emissions may be varied in quantity and nature among such emissions units. Applications must describe the location and characteristics of emission units involved, and the corresponding emissions.

(iv) Other bases for the facilitation of operational flexibility not in violation of federal or state law or regulation as approved by the Department and the Administrator.

(2) Protocol. In the operational flexibility plan the owner and/or operator may propose to incorporate a protocol component by which the permittee will evaluate proposed changes for compliance with applicable requirements. Compliance with an approved protocol shall serve as compliance with Part 212 of this Chapter except that it shall not undo previous 212.10 RACT determinations or otherwise absolve the permittee from 212.10 RACT compliance obligations. The protocol shall include provisions for notifying the Department of changes. Detail must be sufficient to allow for the assessment of control requirements, to determine compliance with applicable requirements and to maintain the Department's source inventory. Changes made pursuant to an approved protocol are not subject to the provisions of Section 201.6.7 of this Subpart. Norlite's Operational Flexibility Protocol is set forth in (C) and (D) below.

(3) No permit revisions will be required for operating changes that contravene an express a term, provided that



such changes would not violate applicable requirements as defined under Part 201 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 Clean Air Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emission 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 7 days. The permittee, 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, 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.

201-6.6

(ii) The permit shield described in 6 NYCRR Part

shall not apply to any change made pursuant to this paragraph.

(B) Plan Objective:

(1) The objective of this Plan is to maximize operational flexibility by building capability into the Title V Permit for the facility to make administrative and/or minor changes following a pre-established protocol as allowed for in 6 NYCRR Part 201 6.5(f)(2).

(2) This plan does not address those types of changes that would invoke the Part 201 6.7(d) "Significant Permit Modification". Rather, it addresses changes that qualify as minor modifications pursuant to the following criteria specified by 6 NYCRR Part 201 6.7(c)(1)(i) through (v):

(i) Do not violate any applicable requirement.

(ii) Do not involve significant changes to existing monitoring, reporting, or record keeping requirements in the permit and are not otherwise a significant change in the permit.

(iii) Do not require or change a case by case determination of a federal emission



limitation or other federal standard, or a specific determination for portable sources causing adverse ambient impacts, or a visibility or increment analysis.

(iv) Do not seek to establish or change a permit term or condition that the facility has assumed to avoid an applicable requirement to which the emission source would otherwise be subject. Such terms and conditions include:

(a) A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the Act, including Part 231 of this Chapter; or

(b) An alternative emissions limit approved pursuant to the early reduction program under Section 112 of the Act.

(v) Are not modifications under any provision of Title I of the Act, including modifications resulting in significant net emission increases as defined and regulated under Part 231 of this Chapter or the federal Prevention of Significant Deterioration program regulations at 40 CFR 52.21.

(C) Protocol for Changes:

(1) Certain changes which meet the criteria under (i) (iii) below may be conducted without prior approval of the Department and shall not require modification of the permit. The facility owner and/or operator must, however, maintain records of the date and description of such changes and make such records available for review by Department representatives upon request.

(i) Changes that do not cause emissions to exceed any emission limitation contained in regulations or applicable requirements under 6 NYCRR.

(ii) Changes which do not cause the subject emission unit, emission source, process, or emission point to become subject to any additional regulations or requirements under 6 NYCRR.

(iii) Changes that do not seek to establish or modify a federally enforceable emission cap or limit.



(2) In addition to the record keeping required under (C)(1) above, the permittee must notify the Department in writing at least 30 calendar days in advance of making changes involving:

(i) the installation or relocation of any emission unit, emission source, process, or emission point within a facility;

(ii) the emission of any air pollutant not previously authorized or emitted in accordance with a permit issued by the Department;

(iii) the installation or alteration of any air cleaning installation, device or control equipment.

(3) The Department may require a permit modification in order to impose applicable requirements or special permit conditions if it determines that changes proposed pursuant to notification under (2) above do not meet the criteria under (1) above or the change may have a significant air quality impact. In such cases the Department may require that the permittee not undertake the proposed change until it completes a more detailed review of the change for air quality impacts and/or applicable requirements. The Department shall respond to the permittee in writing with such a determination within 15 days of receipt of the 30-day advance notification from the permittee. The Department's determination shall include a listing of information necessary to further review the proposed change.

(D) OpFlex Plan:

(1) Norlite potentially may wish to change its manufacturing operations to introduce new materials, modify products, and improve quality and productivity. While many of these changes affect air emissions, most of them have a very small impact and do not alter the regulatory applicability documented in the Title V permit. This section describes the process that Norlite proposes for use in reviewing changes to determine whether they trigger additional requirements under federal or state air regulations thereby requiring a formal permit modification. In particular, this protocol will be used to assess whether a proposed change will alter emissions from a source so as to trigger 6 NYCRR Part 212 and, if so, whether the source is equipped with the controls



necessary to satisfy the requirements of that regulation. In brief, changes will be addressed under this protocol as follows:

(i) Any changes within an emission unit that do not result in an increase in potential emissions of a regulated material from that emission unit and do not trigger any new applicable air requirements may proceed without notification to DEC. Norlite will maintain records of information supporting the decisions in these cases and record the change for possible inclusion into Norlite's Title V permit

(ii) If the review shows that a permit modification is not required either because the emission increase does not trigger additional requirements under state or federal air regulations or because the source already meets the control requirements specified in the regulation, Norlite will proceed with the change and notify the DEC as allowed in 201 6.5(f)(2). If information becomes available after the change is implemented which indicates that the change will not meet the requirements of all applicable air regulations, Norlite will comply with the appropriate regulatory requirements.

(iii) If the review shows that permit modification is necessary because the proposed change triggers a new applicable requirement under any state or federal air regulation, Norlite will submit the required application to DEC.

other (iv) Where changes require updating drawings or

documents which have been submitted to DEC, Norlite will supply DEC with the updated documents, even if the change did not require that DEC be notified. All proposed changes will be reviewed to determine the potential applicability of federal and state applicable air requirements, including, but not limited to, 6 NYCRR Part 231 (nonattainment New Source Review), 40 CFR 52.21 (Prevention of Significant Deterioration), 40 CFR Part 60 (New Source Performance Standards), 40 CFR Part 63 (National Emission Standards for Hazardous Air Pollutants), and Miscellaneous VOC and NOx RACT requirements, including 6 NYCRR Parts 212, 227 2, and 229.

If the change triggers any requirements of any federal or state air regulation other than 6 NYCRR Part 212, this protocol will not be used; unless the change is specifically provided for in the cited regulation; in that case, Norlite will follow the provisions as specified in the regulation, including notifications.

(2) The types of changes that will be covered by this



protocol, include, but are not limited to, the following:

1. Movement of equipment or emission points,
2. Movement of a product from one piece of equipment to another,
3. Introduction of a new material to an emission unit as long as the increase in emissions does not exceed the significance threshold for a criteria pollutant or a HAP,
4. Replacement of equipment,
5. Replacement of control equipment,
6. Rerouting of equipment from one emission point to another, and
7. Constructing a new source

(3) These changes are discussed in greater detail below.

1. Movement of equipment or emission point

If the movement of equipment or an emission point does not change the stack parameters in such a way as to increase impacts (i.e. larger diameter, lower stack, or cooler temperature) and does not bring the emission point closer to the property line, the change may proceed without notifying DEC. If the change results in the need to update a roof map with which DEC has been provided a copy, Norlite will issue an updated copy of the roof map when internal documents are updated. If stack parameters change or the emission point is moved closer to the property line, the methods in DAR 1 will be performed by Norlite comparing the present stack conditions and location to those proposed. If there is no decrease in air quality resulting in new applicable requirements or exceedance of existing applicable requirements, Norlite will inform DEC and proceed with the change. If there is a decrease in air quality below DAR 1 guideline concentrations, Norlite will submit the information to DEC for review with a request that the modification be allowed. If DEC has not responded to Norlite's request within 25 days of receipt of request, Norlite will consider that the change is approved and proceed with the change.

2. Movement of production from one piece of equipment to



another

Norlite will review the emissions from the proposed change. If the review indicates that there is no increase in emissions from the emission unit, Norlite will document this review, implement the change, and notify DEC.

If the review reveals an emission increase, Norlite will determine if the proposed change will trigger any requirement that is not applicable to this emission unit in the current permit. If no new air requirements are triggered, Norlite will review the proposed change to determine if any current monitoring or record keeping requirements in the permit must be altered. Norlite will also review the proposed change to determine whether the control requirements of 6 NYCRR Part 212 are met. If the change meets the control criteria in Part 212, Norlite will proceed with the change. If the change does not meet the control criteria in Part 212, Norlite will submit the information to DEC for review with a request that the change be allowed. If DEC has not responded to Norlite's request within 25 days of receipt of request, Norlite will consider that the change is approved and proceed to implement the change. If the change triggers new applicable requirements or alters monitoring or record keeping requirements, Norlite will submit an application for a permit modification.

### 3. Introduction of a new material

If a change is proposed which will introduce a new material into an emission unit, but no new emissions will result, no action is required before implementing the change. If the change results in emissions from the emission unit that are not presently being emitted from this emission unit or are not on the permit, Norlite will review the proposed change to determine if the increase will trigger any air requirement that is not applicable to this emission unit in the current permit. If no new air requirements are triggered, Norlite will review to determine if any current monitoring or record keeping requirements in the current permit must be altered. If no monitoring or record keeping requirements must be altered, Norlite will review the change with respect to the control requirements of 6 NYCRR Part 212. If the change meets the control criteria in Part 212, Norlite will proceed with the change and notify DEC. If the change triggers new applicable requirements or alters monitoring or record keeping requirements, Norlite will submit an application for a permit modification.



4. Replacement of equipment where there is no increase in emissions

Whenever equipment is replaced in kind, the change may proceed without any review by DEC or notification to DEC. If the equipment replacement is not a replacement in kind, Norlite will review the change. If no new applicable requirements are triggered and no new monitoring and record keeping requirements are necessary, then the change may proceed without DEC approval. DEC will be notified to keep equipment records current.

If the equipment replacement results in an increase in emissions, Norlite will review the proposed change to determine if the increase will trigger any requirement which is not applicable to this emission unit in the current permit. If no new requirements are triggered, Norlite will review the proposed change to determine if any current monitoring or record keeping requirements in the permit must be altered. If no monitoring or record keeping requirements must be altered, Norlite will proceed with the change and notify DEC if information included in the Title V permit application is altered. If the change triggers new applicable requirements or alters monitoring or record keeping requirements, Norlite will submit an application for a permit modification, or notify DEC and proceed as indicated. For example, replacement of a CEMS instrument may require a calibration or cylinder gas audit (CGA) followed by a full calibration within a specified period of time. If so, Norlite will provide notification to DEC, but otherwise proceed as required for the change in instrumentation.

5. Replacement of control equipment where the control efficiency is either unchanged or improved

If replacement of control equipment causes the control efficiency to remain the same or increase, Norlite will review the proposed change to determine if the current monitoring or record keeping requirements in the permit must be altered. If the monitoring or record keeping requirements are not altered, Norlite will proceed with the change and notify DEC if information included in the Title V permit application is altered.

6. Rerouting of equipment from one emission point to another.

If a change is proposed which involves routing vents from a source permitted under one emission point to another, either in the same emission unit or another, Norlite will



determine if any new requirements are triggered. If no new requirements are triggered, Norlite will review the proposed change with respect to 6 NYCRR Part 212. If the change meets the control criteria of Part 212, Norlite will proceed with the change and notify DEC if information included in the Title V permit application is altered.

7. Constructing a new source

New sources may be constructed under this protocol as long as no applicable air requirements apply to the proposed source. Examples of these sources are insignificant sources under 6 NYCRR 201.6.3(d)(7), VOC sources with VOC ERPs less than 3 lb/hr, and sources with AA@ rated contaminants with ERPs less than 1 lb/hr. DEC will be notified of the change.

If a contaminant not presently being emitted or new to the facility will be emitted from the proposed source, a DAR 1 analysis will be conducted to verify that uncontrolled emissions from the proposed source do not exceed guideline concentrations. Norlite will submit the information to DEC for review with a request that the construction be allowed. If DEC has not responded to Norlite's request within 14 days of receipt of request, Norlite will consider that the change is approved and proceed to implement the change.

(E) Documentation

(1) Documentation shall be maintained, by keeping records as appropriate, to demonstrate compliance with the Operational Flexibility Plan. The records shall indicate dates for each change proposed, ongoing, and completed under the Plan and include a description of that change. The description shall summarize the change and identify each affected emission unit, emission source, process, and/or emission point. The records also shall include copies of all correspondence to and from the Department concerning proposed changes

(2) Records shall be in a format acceptable to the Department, shall include pertinent supporting data and calculations as necessary, shall be retained at the facility for five years after the date of the last entry, and upon request, shall be made available for Department review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 26: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 26.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring Description:

Operational Flexibility Plan

(A) Plan Objective:

flexibility by  
facility to make  
preestablished  
201-6.5(f).

The objective of this Plan is to maximize operational building capability into the Title V Permit for the administrative and/or minor changes following a protocol as allowed for in 6 NYCRR, Part

Modification".  
Rather, it  
would invoke  
the Part 201-6.7(d) "Significant Permit

and  
pursuant to the  
criteria specified by 6 NYCRR, Part 201-6.7(c)(1)(i)

and  
(ii):  
requirement;

(1) Do not violate any applicable

to existing  
monitoring,  
permit

(2) Do not involve significant changes reporting, or record keeping requirements in the



and are not  
permit.

otherwise a significant change in the

(B) Protocol for Changes:

criteria under (i) -  
(iii) below  
Department and shall  
owner and/or  
and  
description of  
review  
by Department

(1) Certain changes which meet the

may be conducted without prior approval of the  
not require modification of the permit. The facility  
operator must however maintain records of the date  
such changes and make such records available for  
representatives upon request.

cause emissions to exceed any  
emission  
requirements under 6

(i) changes that do not

limitation contained in regulations or applicable  
NYCRR;

cause the subject emission  
unit, emission  
to  
any additional

(ii) changes which do not

source, process, or emission point to become subject  
regulations or requirements under 6 NYCRR;

seek to establish or modify  
a  
limit.

(iii) changes that do not

federally-enforceable emission cap or

required under  
(b)(1) above,  
least 30  
involving:

(2) In addition to the record keeping

the permittee must notify the Department in writing at  
calendar days in advance of making changes

(i) the installation or



relocation of any emission  
source, process,

or emission point within a facility;

(ii) the emission of any

air pollutant not previously  
authorized or

emitted in accordance with a permit issued by the  
Department;

(iii) the installation or

alteration of any air  
cleaning

installation, device or control equipment.

(3) The Department may require a

permit modification,  
in order to

impose new applicable requirements or special permit

conditions if it

determines that changes proposed pursuant to

notification under (2)

above do not meet the criteria under (1) or the change

may have a

significant air quality impact. In such cases the

Department may

require that the permittee not undertake the proposed

change until it

completes a more detailed review of the potential air

quality impacts

and/or applicable requirements. The Department shall

respond to the

permittee in writing with such a determination within

15

days of

receipt of the 30 day advance notification from the

permittee. The

Department's determination shall include a listing of

information

necessary to further review the proposed change.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 27: Permit Exclusion Provisions**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**



**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 27.1:**

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

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

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

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

**Condition 32: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 32.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 32.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six minutes of 20 percent or greater from any process emission source, except only the



emission of combined water.

The facility owner/operator shall conduct a visible emissions observation (determining the presence or absence of visible emissions) of all emission points and/or emission sources once per day, during daylight hours, except during conditions of extreme weather (fog, snow, rain).

If any instantaneous observations of visible emissions noted are greater than 20%, (Except the emission of uncombined water), the facility owner/operator will immediately investigate the cause and implement appropriate corrective measures if necessary. If unusual opacity conditions are observed (Except the emission of uncombined water) after the corrective actions have been taken, the facility owner or operator will perform a Method 9 analysis of the affected emission point or emission source and notify the Department of the observation within one business day. The facility owner/operator will also submit the Method 9 results to the Department.

Daily records of observations are to be maintained, including explanations for days when weather conditions are prohibitive, on-site for a period of five years.

The Department reserved the right to perform or require the performance of a Method 9 opacity evaluation.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 33: Sampling and Monitoring**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 33.1:**

The owner and/or operator of this facility, if required by the department to conduct stack testing to demonstrate compliance with 6 NYCRR Part 212, must comply with notification requirements and conduct capture efficiency and/or stack testing using acceptable procedures pursuant to 6 NYCRR Part 202.



**Condition 1-22: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 1-22.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-22.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person shall use, purchase, sell, or offer for sale any distillate fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 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.

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

**Condition 35: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 35.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 35.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Applicable Federal Requirement: 6NYCRR  
225-1.2(a)(2)

The Compliance Certification activity will be performed for the Facility.



Compliance Certification shall include the following monitoring:

**Monitoring Description:**

No person shall sell, offer for sale, purchase or use any distillate oil which has a sulfur content greater than the limit presented below. The facility owner or operator shall review and retain supplier certifications regarding the sulfur content of the oil delivered. Records older than five years may be discarded.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 1.5 percent by weight  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-23: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 225-1.2(a)(2)**

**Item 1-23.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 1-23.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

**Monitoring Description:**

No person shall use, purchase, sell, or offer for sale any residual fuel oil which has a sulfur content greater than the limit presented below. A log of the sulfur content in oil per delivery must be maintained on site for a minimum of five years after the date of the last entry.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: RESIDUAL FUEL (#4, #5 AND/OR #6 FUEL OIL)  
Parameter Monitored: SULFUR CONTENT  
Upper Permit Limit: 1.5 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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 36: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 36.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 36.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring Description:

As required the facility shall sample, analyze, and measure all quantities of waste fuel received and/or fired at the facility. Emissions and/or operations monitoring shall be conducted in a manner suitable to the representative of the commissioner. Any waste fuel burned shall meet the limits of 6NYCRR Part 225-2.4 Table 2-1 The facility shall maintain records of quantities of waste fuel received and the names and addresses of waste Fuel suppliers for three calendar years. This facility shall not burn any waste fuel type 'B'.

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 1-24: Availability of records for Department inspection.**  
**Effective for entire length of Permit**

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

**Item 1-24.1:**

Any person required to maintain and retain records pursuant to this section must make such records available for inspection by the commissioner or his representative during normal business hours. Such person(s) must furnish copies of such records to the commissioner or his representative upon request.

**Condition 1-25: General Standards - marking equipment**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-1(d), NESHAP Subpart**

V



**Item 1-25.1:**

Each piece of equipment to which Subpart V applies shall be marked in such a manner that it can be distinguished readily from other pieces of equipment that are not subject to Subpart V.

**Condition 1-26: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.246(d), NESHAP Subpart V**

**Item 1-26.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-26.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following information pertaining to the design requirements for closed-vent systems and control devices shall be recorded and kept in a readily accessible location:

- 1) Detailed schematics, design specifications, and piping and instrumentation diagrams.
- 2) The dates and descriptions of any changes in the design specifications.
- 3) A description of the parameter or parameters monitored to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter was selected for the monitoring.
- 4) Periods when the closed-vent systems and control devices required are not operated as designed, including periods when a flare pilot light does not have a flame.
- 5) Dates of startups and shutdowns of the closed vent systems and control devices.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-27: Reporting requirements - Initial report  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.247(a)(1), NESHAP Subpart**

**V**



**Item 1-27.1:**

An owner/operator of any piece of equipment to which Subpart V applies shall submit a statement in writing notifying the Administrator that the requirements of Subpart V are being implemented. The statement is to contain the following information for each source:

- 1) Equipment identification number and process unit identification
- 2) Type of equipment (pump, valve,...)
- 3) Percent by weight of VHAP in the fluid at the equipment
- 4) Phase that the fluid is in at the equipment (gas/vapor or liquid)
- 5) Method of compliance with the standard (i.e., "monthly leak detection and repair").

The report shall also include a reporting schedule stating the months that the semiannual reports will be submitted.

**Condition 40: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63, Subpart EEE**

**Expired by Mod 1**

**Item 40.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 40.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In the event that the federal Regulation 40 CFR 63 Subpart EEE is officially modified or vacated during the term of this Title V Permit, the Department shall initiate a modification of the permit to reflect the changes in or the vacating of the regulation.

The modification process will follow permit review guidelines used for any significant modification of a Title V Permit.

The facility shall meet the compliance schedule as described in any officially issued changes to the regulation.

If the regulation 40 CFR 63 subpart EEE is vacated, the facility shall meet compliance under regulation 6NYCRR Part 212.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.



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

**Condition 41: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(e), Subpart EEE**

**Expired by Mod 1**

**Item 41.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 41.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

INTERIM COMPLIANCE RELATIVE TO 40 CFR Part 63, Subpart EEE

For the time period between the effective date of this Title V permit and up to the compliance date on which the Permittee must include the Documentation of Compliance (DOC) for Emission unit K-ILNSG in the operating record, the permittee must comply with all operating conditions and requirements set fourth for this emission unit in Module VII of the 6 NYCRR Part373 Hazardous Waste Management Permit including those for feed stream analysis, instrument calibrations, cutoff limits and testing frequencies for automatic waste feed cutoff systems, and soot blowing. From the compliance date, the Permittee must comply with the operating conditions specified in the DOC pursuant to 40 CFR Part 63.1211 (d). Other above operating requirements such as the feed stream analysis requirements, calibration and testing frequencies will be as per Part 373 permit requirements until the feed stream analysis plan is reviewed and approved, and Title V permit is modified by the Administrator to reflect the Comprehensive performance test results.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 42: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(e), Subpart EEE**

**Expired by Mod 1**

**Item 42.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 42.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

AIR EMISSIONS STANDARDS FOR EQUIPMENT  
LEAKS, TANKS, SURFACE IMPOUNDMENTS, AND  
CONTAINERS

This facility is subject to the air  
emission standards of subpart BB , part  
264, of this Chapter

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 43: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1210, Subpart EEE**

**Expired by Mod 1**

**Item 43.1:**

The Compliance Certification activity will be performed for the Facility.

**Item 43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

63.1210(a) Summary of  
requirements:

The owner or operator of this facility  
shall submit the notices required by the  
following regulations:

- 40 CFR 63.9(b)
- 40 CFR
- 63.1210(b)
- 40 CFR
- 63.1210(c)
- 40 CFR 63.9(d)
- 40 CFR
- 63.1207(e)
- 40 CFR 63.9(e)
- 40 CFR
- 63.9(g)(1)
- 40 CFR
- 63.9(b)(3)



- 40 CFR
- 63.9(1210)(d) 40 CFR
- 63.1207(j) 40 CFR 63.9(h)
- 40 CFR
- 63.10(d)(2) 40 CFR
- 63.10(e)(2) 40 CFR
- 63.1206(b)(6) 40 CFR
- 63.9(j)

(b) Notification of intent to comply

The owner or operator of this facility shall prepare and submit a Notification of Intent to Comply that meets the requirements of:

- 40 CFR
- 63.1210(b)(i) 40 CFR
- 63.1210(b)(ii)

(d) Notification of compliance:

The owner or operator of this facility shall submit the notices required by the following regulations:

The notification of compliance status requirements of 40 CFR 63.9(h) apply, except for:

- 40 CFR
- 63.1210(d)(1) 40 CFR
- 63.1210(d)(1)(i) 40 CFR
- 63.1210(d)(1)(ii) 40 CFR
- 63.1210(d)(1)(iii) 40 CFR
- 63.1210(d)(2) 40 CFR
- 63.1210(d)(3)



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

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

**Condition 45: Emission Point Definition By Emission Unit**  
Effective between the dates of 06/06/2002 and Permit Expiration Date

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

**Item 45.1(From Mod 1):**

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

Emission Unit: K-ILNSG

Emission Point: 00001

Height (ft.): 120

Diameter (in.): 48

NYTMN (km.): 4734.284 NYTME (km.): 606.047

Emission Point: 00002

Height (ft.): 120

Diameter (in.): 48

NYTMN (km.): 4734.267 NYTME (km.): 606.044

Emission Point: 0003A

Height (ft.): 87

Diameter (in.): 45

NYTMN (km.): 4734.277 NYTME (km.): 606.098

Emission Point: 0003B

Height (ft.): 87

Diameter (in.): 45

NYTMN (km.): 4734.263 NYTME (km.): 606.099

**Item 45.2(From Mod 0):**

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

Emission Unit: M-ISCES

Emission Point: 00018

Height (ft.): 24

Diameter (in.): 10

NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 00046

Height (ft.): 12

Diameter (in.): 7

NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 00047

Height (ft.): 12

Diameter (in.): 7



NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 00048  
Height (ft.): 12 Diameter (in.): 7  
NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 00049  
Height (ft.): 12 Diameter (in.): 7  
NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 00050  
Height (ft.): 10 Length (in.): 18 Width (in.): 16  
NYTMN (km.): 4734. NYTME (km.): 606.2

**Item 45.3(From Mod 0):**

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

Emission Unit: S-TANKS

Emission Point: 00019  
Height (ft.): 12 Diameter (in.): 4  
NYTMN (km.): 4734. NYTME (km.): 606.2

**Condition 46: Process Definition By Emission Unit**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

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

**Item 46.1(From Mod 1):**

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

Emission Unit: C-RUSHS  
Process: 212 Source Classification Code: 3-05-020-01  
Process Description:  
PRIMARY PLANT ROCK CRUSHER APPLICABLE TO 6  
NYCRR PART 212. SHALE IS CRUSHED TO THE  
DESIRED SIZE WITH THIS PROCESS WHICH IS  
LOCATED AT THE PRIMARY PLANT.

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

Emission Source/Control: SECCH - Process  
Design Capacity: 100 tons per hour

**Item 46.2(From Mod 1):**

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

Emission Unit: C-RUSHS  
Process: FPC Source Classification Code: 3-05-020-04  
Process Description:  
FINISHING PLANT ROCK CRUSHER. LIGHTWEIGHT  
AGGREGATE IS CRUSHED TO THE DESIRED SIZE



WITH THIS PROCESS WHICH IS LOCATED AT THE  
FINISHING PLANT.

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

Emission Source/Control: ELJCH - Process  
Design Capacity: 72 tons per hour

**Item 46.3(From Mod 1):**

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

Emission Unit: C-RUSHS  
Process: OOO Source Classification Code: 3-05-020-01

Process Description:  
PRIMARY PLANT ROCK CRUSHER APPLICABLE TO  
40 CFR 60 SUBPART 000. SHALE IS CRUSHED TO  
THE DESIRED SIZE WITH THE PROCESS WHICH IS  
LOCATED AT THE PRIMARY PLANT.

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

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

Emission Source/Control: PRMDC - Process

Emission Source/Control: PRTJC - Process  
Design Capacity: 250 tons per hour

**Item 46.4(From Mod 1):**

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

Emission Unit: K-ILNSG  
Process: KAF Source Classification Code: 3-05-009-15

Process Description:  
KILNS #1 AND #2 SCRUBBER EXHAUST.  
PRODUCTION OF EXPANDED AGGREGATE IN ROTARY  
KILNS USING NATURAL SHALE AS THE RAW  
MATERIAL FEED.

ANY COMBINATION OR SINGLE COMPONENT OF OFF  
SPECIFICATION USED OIL, SPECIFICATION USED  
OIL, COMPARABLE FUELS, NO. 2 OIL, NO. 4  
OIL, NO. 6 OIL AND NATURAL GAS THAT IS NOT  
HAZARDOUS WASTE AND IS WASTE FUEL A (PER  
DEFINITION IN PART 225-2) IS USED AS FUEL.

Emission Source/Control: K1CT1 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: K1CT2 - Control



Control Type: FABRIC FILTER

Emission Source/Control: K1CT3 - Control  
Control Type: SODIUM CARBONATE SCRUBBING

Emission Source/Control: K1CT4 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: K1CT5 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: K2CT1 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: K2CT2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: K2CT3 - Control  
Control Type: SODIUM CARBONATE SCRUBBING

Emission Source/Control: K2CT4 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: K2CT5 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: SKLN1 - Process

Emission Source/Control: SKLN2 - Process

**Item 46.5(From Mod 1):**

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

Emission Unit: K-ILNSG  
Process: KCC Source Classification Code: 3-05-900-01  
Process Description: KILN #1 AND #2 CLINKER COOLERS.

Emission Source/Control: CC1CT - Control  
Control Type: CENTRIFUGAL

Emission Source/Control: CC2CT - Control  
Control Type: CENTRIFUGAL

Emission Source/Control: CLKN1 - Process

Emission Source/Control: CLKN2 - Process

**Item 46.6(From Mod 1):**

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

Emission Unit: K-ILNSG  
Process: KHF Source Classification Code: 3-05-900-01  
Process Description:



KILNS #1 AND #2 SCRUBBER EXHAUST.  
PRODUCTION OF EXPANDED AGGREGATE IN ROTARY  
KILNS USING NATURAL SHALE AS THE RAW  
MATERIAL FEED.

HAZARDOUS WASTE IS USED AS FUEL, ALONE OR  
IN COMBINATION WITH WASTE FUEL A,  
OFF-SPECIFICATION USED OIL, SPECIFICATION  
USED OIL, COMPARABLE FUELS, NO. 2 OIL, NO.  
4 OIL, NO. 6 OIL AND NATURAL GAS.

Emission Source/Control: K1CT1 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: K1CT2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: K1CT3 - Control  
Control Type: SODIUM CARBONATE SCRUBBING

Emission Source/Control: K1CT4 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: K1CT5 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: K2CT1 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: K2CT2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: K2CT3 - Control  
Control Type: SODIUM CARBONATE SCRUBBING

Emission Source/Control: K2CT4 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: K2CT5 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: SKLN1 - Process

Emission Source/Control: SKLN2 - Process

**Item 46.7(From Mod 1):**

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

Emission Unit: K-ILNSG

Process: KNA

Source Classification Code: 3-05-009-15

Process Description:

KILNS #1 AND #2 SCRUBBER EXHAUST.  
PRODUCTION OF EXPANDED AGGREGATE IN ROTARY



KILNS USING NATURAL SHALE AS THE RAW MATERIAL FEED.

ANY COMBINATION OR SINGLE COMPONENT OF OFF SPECIFICATION USED OIL, SPECIFICATION USED OIL, COMPARABLE FUELS, NO. 2 OIL, NO. 4 OIL, NO. 6 OIL AND NATURAL GAS THAT IS NOT HAZARDOUS WASTE AND IS NOT WASTE FUEL A (PER DEFINITION IN PART 225-2) IS USED AS FUEL.

Emission Source/Control: K1CT1 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: K1CT2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: K1CT3 - Control  
Control Type: SODIUM CARBONATE SCRUBBING

Emission Source/Control: K1CT4 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: K1CT5 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: K2CT1 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: K2CT2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: K2CT3 - Control  
Control Type: SODIUM CARBONATE SCRUBBING

Emission Source/Control: K2CT4 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: K2CT5 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: SKLN1 - Process

Emission Source/Control: SKLN2 - Process

**Item 46.8(From Mod 1):**

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

Emission Unit: K-ILNSG

Process: KNF

Source Classification Code: 3-05-900-01

Process Description:

KILNS #1 AND #2 SCRUBBER EXHAUST.

PRODUCTION OF EXPANDED AGGREGATE IN ROTARY



KILNS USING NATURAL SHALE AS THE RAW MATERIAL FEED.

ANY COMBINATION OR SINGLE COMPONENT OF SPECIFICATION USED OIL, COMPARABLE FUELS, NO. 2 OIL, NO. 4 OIL, NO. 6 OIL AND NATURAL GAS THAT IS NOT HAZARDOUS WASTE AND IS NOT WASTE FUEL A (PER DEFINITION IN PART 225-2) IS USED AS FUEL.

Emission Source/Control: K1CT1 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: K1CT2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: K1CT3 - Control  
Control Type: SODIUM CARBONATE SCRUBBING

Emission Source/Control: K1CT4 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: K1CT5 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: K2CT1 - Control  
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: K2CT2 - Control  
Control Type: FABRIC FILTER

Emission Source/Control: K2CT3 - Control  
Control Type: SODIUM CARBONATE SCRUBBING

Emission Source/Control: K2CT4 - Control  
Control Type: GAS SCRUBBER (GENERAL, NOT CLASSIFIED)

Emission Source/Control: K2CT5 - Control  
Control Type: MIST ELIMINATOR

Emission Source/Control: SKLN1 - Process

Emission Source/Control: SKLN2 - Process

**Item 46.9(From Mod 1):**

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

Emission Unit: M-ISCES  
Process: DRS Source Classification Code: 5-03-008-30  
Process Description: DRUM STORAGE.

Emission Source/Control: DRUMS - Process



**Item 46.10(From Mod 1):**

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

Emission Unit: M-ISCES  
Process: FSH Source Classification Code: 3-05-020-06  
Process Description:  
FINISHING PLANT SCREEN, HOPPER, CONVEYORS,  
BELTS, AND STACKER OPERATIONS. CLINKER IS  
FED TO THE FINISHING PLANT WHERE IT IS  
SIZED, SCREENED, AND BLENDED TO YIELD LIGHT  
WEIGHT AGGREGATE.

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

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

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

Emission Source/Control: WTSK1 - Control  
Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: FINCV - Process

Emission Source/Control: FINHP - Process

Emission Source/Control: FINSB - Process

Emission Source/Control: FINST - Process

Emission Source/Control: OSHOP - Process

Emission Source/Control: TPDFM - Process

**Item 46.11(From Mod 1):**

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

Emission Unit: M-ISCES  
Process: FTS Source Classification Code: 3-05-999-99  
Process Description:  
FUEL TRANSFER SYSTEM. FUEL IS TRANSFERRED  
FROM THE STORAGE TANKS TO THE KILNS.

Emission Source/Control: FTRAN - Process

**Item 46.12(From Mod 1):**

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

Emission Unit: M-ISCES  
Process: KFR Source Classification Code: 3-05-020-06  
Process Description:



KILNS #1 AND #2 FEED AND RIM SEAL (FRONT AND REAR).

Emission Source/Control: K1FCT - Process

Emission Source/Control: K1RSC - Process

Emission Source/Control: K2FCT - Process

Emission Source/Control: K2RSC - Process

Emission Source/Control: KN1FE - Process

Emission Source/Control: KN1RS - Process

Emission Source/Control: KN2FE - Process

Emission Source/Control: KN2RS - Process

**Item 46.13(From Mod 1):**

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

Emission Unit: M-ISCES

Process: PSH

Source Classification Code: 3-05-020-06

Process Description:

PRIMARY PLANT SCREEN, HOPPER, CONVEYORS, BELTS, AND STACKER OPERATIONS. SHALE IS CRUSHED, SCREENED, AND THEN CONVEYED TO THE KILNS TO PRODUCE CLINKER.

Emission Source/Control: WTSFH - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: WTSPS - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: WTST1 - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: FCONV - Process

Emission Source/Control: FEDHP - Process

Emission Source/Control: FSCRN - Process

Emission Source/Control: PELET - Process

Emission Source/Control: PRMSH - Process

Emission Source/Control: PRMSR - Process

Emission Source/Control: TPDSK - Process



Emission Source/Control: TRPDS - Process

**Item 46.14(From Mod 1):**

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

Emission Unit: M-ISCES  
Process: QRY Source Classification Code: 3-05-020-09  
Process Description:  
QUARRY OPERATIONS. QUARRY BLASTING,  
DRILLING, LOADING OPERATIONS, AND VEHICULAR  
TRANSPORTATION.

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

Emission Source/Control: QTRAN - Process

Emission Source/Control: QUAYB - Process

Emission Source/Control: QUAYD - Process

Emission Source/Control: QUAYP - Process

**Item 46.15(From Mod 1):**

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

Emission Unit: M-ISCES  
Process: TLD Source Classification Code: 3-05-020-06  
Process Description:  
LOADING AND UNLOADING OPERATIONS. LOADING  
AND UNLOADING PRODUCT, AND VEHICULAR  
TRANSPORTATION (EXCLUDING QUARRY VEHICULAR  
TRANSPORTATION).

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

Emission Source/Control: LDPRT - Process

Emission Source/Control: TRANS - Process

**Item 46.16(From Mod 1):**

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

Emission Unit: M-ISCES  
Process: ULF Source Classification Code: 3-05-999-99  
Process Description:  
UNLOADING OF FUEL. UNLOADING OF HAZARDOUS  
FUEL INTO STORAGE TANKS.

Emission Source/Control: CARB1 - Control  
Control Type: ACTIVATED CARBON ADSORPTION



Emission Source/Control: DRUMS - Process

Emission Source/Control: ULFFT - Process

**Item 46.17(From Mod 1):**

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

Emission Unit: S-TANKS

Process: HFT

Source Classification Code: 3-05-999-99

Process Description:

HAZARDOUS WASTE FUEL STORAGE TANKS. ABOVE GROUND HAZARDOUS WASTE FUEL TANKS. ON THE RARE OCCASION THAT BOTH KILNS ARE NOT OPERATING, THESE STORAGE TANKS WILL VENT TO AN ACTIVE CARBON ADSORPTION CONTROL DEVICE (CARB2).

Emission Source/Control: CARB2 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: NBW10 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBW11 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBW12 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBW13 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBW14 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBW15 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBWT5 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBWT6 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBWT7 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBWT8 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBWT9 - Control

Control Type: NITROGEN BLANKET



Emission Source/Control: 0101A - Process  
Design Capacity: 1,264 gallons

Emission Source/Control: 0101B - Process  
Design Capacity: 1,264 gallons

Emission Source/Control: 0102A - Process  
Design Capacity: 1,264 gallons

Emission Source/Control: 0102B - Process  
Design Capacity: 1,264 gallons

Emission Source/Control: SP100 - Process  
Design Capacity: 623 gallons

Emission Source/Control: T100A - Process  
Design Capacity: 9,491 gallons

Emission Source/Control: T100B - Process  
Design Capacity: 9,491 gallons

Emission Source/Control: T100C - Process  
Design Capacity: 9,491 gallons

Emission Source/Control: T200A - Process  
Design Capacity: 10,663 gallons

Emission Source/Control: T200B - Process  
Design Capacity: 9,491 gallons

Emission Source/Control: T200C - Process  
Design Capacity: 9,491 gallons

**Item 46.18(From Mod 1):**

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

Emission Unit: S-TANKS

Process: HWT

Source Classification Code: 3-05-999-99

Process Description:

HAZARDOUS WASTE FUEL STORAGE TANKS. BELOW  
GROUND HORIZONTAL HAZARDOUS WASTE FUEL  
TANKS. ON THE RARE OCCASION THAT BOTH  
KILNS ARE NOT OPERATING, THESE STORAGE  
TANKS WILL VENT TO AN ACTIVE CARBON  
ADSORPTION CONTROL DE VICE (CARB2).

Emission Source/Control: CARB2 - Control

Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: NBWT1 - Control

Control Type: NITROGEN BLANKET

Emission Source/Control: NBWT2 - Control



Control Type: NITROGEN BLANKET

Emission Source/Control: NBWT3 - Control  
Control Type: NITROGEN BLANKET

Emission Source/Control: NBWT4 - Control  
Control Type: NITROGEN BLANKET

Emission Source/Control: HWOT1 - Process  
Design Capacity: 27,903 gallons

Emission Source/Control: HWOT2 - Process  
Design Capacity: 27,903 gallons

Emission Source/Control: HWOT3 - Process  
Design Capacity: 27,903 gallons

Emission Source/Control: HWOT4 - Process  
Design Capacity: 18,940 gallons

**Item 46.19(From Mod 1):**

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

Emission Unit: S-TPOPS

Process: FPS

Source Classification Code: 3-05-020-07

Process Description:

FINISHING PLANT STORAGE PILE OPERATIONS.  
STORAGE PILE OPERATIONS INCLUDE THE LOADING  
OF MATERIAL ONTO PILES AND UNLOADING OF  
MATERIAL FROM PILES

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

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

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

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

Emission Source/Control: BKMSP - Process

Emission Source/Control: DPCHT - Process

Emission Source/Control: DRCHT - Process

Emission Source/Control: FINSP - Process

Emission Source/Control: FLTSP - Process



Emission Source/Control: FSTSP - Process

Emission Source/Control: TEHSP - Process

Emission Source/Control: TQTSP - Process

**Item 46.20(From Mod 1):**

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

Emission Unit: S-TPOPS

Process: PPS

Source Classification Code: 3-05-020-07

Process Description:

PRIMARY PLANT STORAGE PILE OPERATIONS.  
STORAGE PILE OPERATIONS INCLUDE THE LOADING  
OF MATERIAL ONTO PILES AND UNLOADING OF  
MATERIAL FROM PILES

Emission Source/Control: WTSKC - Control

Control Type: DUST SUPPRESSION BY WATER SPRAY

Emission Source/Control: KN1CP - Process

Emission Source/Control: KN2CP - Process

Emission Source/Control: KNFSP - Process

**Condition 1-28: Compliance Certification  
Effective for entire length of Permit**

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

**Item 1-28.1:**

The Compliance Certification activity will be performed for:

Emission Unit: C-RUSHS

**Item 1-28.2:**

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: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 47: Compliance Certification**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.672(c), NSPS Subpart OOO**

**Expired by Mod 1**

**Item 47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: C-RUSHS

Process: OOO

**Item 47.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under 40 CFR Part 60.11, no owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used,



fugitive emissions which exhibit greater than 15 percent opacity.

Parameter Monitored: OPACITY  
Upper Permit Limit: 15 percent  
Reference Test Method: Method 9  
Monitoring Frequency: SINGLE OCCURRENCE  
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)  
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-29: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.672(c), NSPS Subpart OOO**

**Item 1-29.1:**

The Compliance Certification activity will be performed for:

Emission Unit: C-RUSHS  
Process: OOO Emission Source: PRTJC

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

**Item 1-29.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Standard for fugitive emissions from crushers, at which a capture system is not used: opacity limit is 15%.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-30: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 60.675(c), NSPS Subpart OOO**

**Item 1-30.1:**

The Compliance Certification activity will be performed for:

Emission Unit: C-RUSHS  
Process: OOO Emission Source: PRTJC

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

**Item 1-30.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Requirement: 675(c)(1) and 675(c)(4): for fugitive emissions from crushers, at which a capture system is not used: initial 3 hour performance test is required. See 675(c)(4) for details of when the test may be reduced from 3 hours to 1 hour.

Parameter Monitored: OPACITY

Upper Permit Limit: 15 percent

Reference Test Method: 40 CFR 60, A, Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-31: Compliance Certification  
Effective for entire length of Permit**

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

**Item 1-31.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 1-31.2:**

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: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-32: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1205(c)(2), Subpart EEE**

**Item 1-32.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 1-32.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If you burn dioxin-listed hazardous wastes: F020, F021, F022, F023, F026, or F027 you must meet the requirements of 1205(c)(2).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 48: Operating requirements**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1206, Subpart EEE**



**Expired by Mod 1**

**Item 48.1:**

This Condition applies to Emission Unit: K-ILNSG

**Item 48.2:**

The permittee must comply with the operational requirements as per 63.1206 (c) of this subpart.

**Condition 49: Operator training and certification requirements**  
Effective between the dates of 09/30/2003 and Permit Expiration Date

**Applicable Federal Requirement:40CFR 63.1206, Subpart EEE**

**Expired by Mod 1**

**Item 49.1:**

This Condition applies to Emission Unit: K-ILNSG

**Item 49.2:**

The permittee must establish a training and certification program for each person who has responsibilities to operate the source regulated by this subpart, and must ensure that the source is operated and maintained at all times by the trained and certified person. The training and certification program must conform to a state-approved training and certification program or, if there is no such state program, to the American Society of Mechanical Engineers Standard Number QHO-1-1994.

**Condition 50: Compliance Certification**  
Effective between the dates of 09/30/2003 and Permit Expiration Date

**Applicable Federal Requirement:40CFR 63.1206(b), Subpart EEE**

**Expired by Mod 1**

**Item 50.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

63.1206(b) Compliance with  
Standards

(1) Applicability:

The emissions standards and operating requirements set forth in this subpart apply at all times except as described in 63.1206(b) (1)(i) and (ii)(A and B).

(2) Methods for determining



compliance:

The Administrator shall determine compliance with the emission standards of this subpart as provided by 40CFR 63.6(f)(2).

Performance testing shall be conducted under operating conditions representative of the extreme range of normal conditions as is consistent with the requirements of CFR 63.6(f)(2) and CFR 63.7(e)(1).

(3) Finding of compliance:

The Administrator will make a finding concerning compliance with the emission standards and other requirements of this subpart as provided by 40CFR 63.6(f)(3)

(4) Extension of compliance with emission standards:

The Administrator may grant an extension of compliance with the emission standards of this subpart as provided by 40CFR 63.6(i) and 40 CFR 63.1213.

(5) Changes in design, operation or maintenance:

The owner or operator of this emission unit shall meet the requirements of the following:

40CFR  
63.1206(b)(5)(i)(A)(1)

40CFR  
63.1206(b)(5)(i)(A)(2)

40CFR 63.1206(b)(5)(i)(B)

40CFR  
63.1206(b)(5)(i)(C)(1)

40CFR  
63.1206(b)(5)(i)(C)(2)



40CFR  
63.1206(b)(5)(ii)

40CFR  
63.1206(b)(5)(iii)

(6) Compliance with carbon monoxide and hydrocarbon emission standards:

The owner or operator of this emission unit shall meet the requirements of the following:

40CFR  
63.1206(b)(6)(i)

40CFR  
63.1206(b)(6)(ii)(A)

40CFR 63.1206(b)(5)(ii)(B)

(7) Compliance with the DRE standard:

The owner or operator of this emission unit shall meet the requirements of the following:

40CFR  
63.1206(b)(7)(i)(A)

40CFR 63.1206(b)(7)(i)(B)

40CFR  
63.1206(b)(7)(ii)(A)

40CFR  
63.1206(b)(7)(ii)(B)

40CFR  
63.1206(b)(7)(iii)

(8) Applicability of particulate matter



and opacity standards during particulate matter CEMS compliance with the DRE standard:

The owner or operator of this emission unit shall meet the requirements of the following:

40CFR  
63.1206(b)(8)(i)

40CFR 63.1206(b)(8)(ii)

40CFR  
63.1206(b)(8)(iii)(A)

40CFR  
63.1206(b)(8)(iii)(A)(1)

40CFR  
63.1206(b)(8)(iii)(A)(2)

40CFR  
63.1206(b)(8)(iii)(A)(3)

40CFR  
63.1206(b)(8)(iii)(A)(4)

40CFR  
63.1206(b)(8)(iii)(B)

40CFR  
63.1206(b)(8)(iv)

40CFR  
63.1206(b)(8)(v)

40CFR  
63.1206(b)(8)(vi)

40CFR  
63.1206(b)(8)(vii)

(9) Alternative standards for existing or new hazardous waste burning lightweight aggregate kilns using MACT:



The owner or operator of this emission unit shall meet the requirements of the following:

40CFR  
63.1206(b)(9)(i)

40CFR  
63.1206(b)(9)(i)(A)

40CFR  
63.1206(b)(9)(i)(B)

40CFR 63.1206(b)(9)(ii)

40CFR  
63.1206(b)(9)(iv)(A)

40CFR  
63.1206(b)(9)(iv)(B)

40CFR  
63.1206(b)(9)(v)

40CFR  
63.1206(b)(9)(vi)

40CFR  
63.1206(b)(9)(vii)

40CFR  
63.1206(b)(9)(vii)(A)

40CFR  
63.1206(b)(9)(vii)(B)

40CFR  
63.1206(b)(9)(viii)

40CFR  
63.1206(b)(9)(viii)(A)

40CFR  
63.1206(b)(9)(viii)(B)

40CFR  
63.1206(b)(9)(viii)(C)



40CFR  
63.1206(b)(9)(viii)(D)

40CFR  
63.1206(b)(9)(ix)

40CFR  
63.1206(b)(9)(ix)(A)

40CFR  
63.1206(b)(9)(ix)(B)

40CFR  
63.1206(b)(9)(ix)(C)

40CFR  
63.1206(b)(9)(ix)(D)

(11) Calculation of hazardous waste  
residence time.

The owner or operator of this  
emission unit shall meet the requirements  
of 40CFR 63.1206(b)(11)

(12) Documenting compliance with the  
standards based on performance  
testing.

The owner or operator of this  
emission unit shall meet the requirements  
of the following:

40CFR  
63.1206(b)(12)(i)

40CFR  
63.1206(b)(12)(ii)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.



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

**Condition 51: Limits on operating parameters based on comprehensive performance testing.**  
Effective between the dates of 09/30/2003 and Permit Expiration Date

**Applicable Federal Requirement:40CFR 63.1209, Subpart EEE**

**Expired by Mod 1**

**Item 51.1:**

This Condition applies to Emission Unit: K-ILNSG

**Item 51.2:**

The permittee must establish limits on operating parameters (listed in the following Items) based on comprehensive performance testing to ensure the compliance with the emission standards of this subpart. If the performance tests for these standards are not performed simultaneously, the most stringent limit for a parameter derived from independent performance tests applies.

**Item 51.3:**

To comply with the destruction and removal efficiency (DRE) standard, the permittee must establish operating limits as per 63.1209(j) of this subpart.

**Item 51.4:**

To comply with the dioxins and furans standard, the permittee must establish operating limits as per 63.1209(k) of this subpart.

**Item 51.5:**

To comply with the Mercury standard, the permittee must establish operating limits as per 63.1209(l) of this subpart.

**Item 51.6:**

To comply with the Particulate matter standard, the permittee must establish operating limits as per 63.1209(m) of this subpart.

**Item 51.7:**

To comply with the semi volatile metal (cadmium and lead) and low volatile metal (arsenic, beryllium, and chromium) standards, the permittee must establish operating limits as per 63.1209(n) of this subpart.

**Item 51.8:**

To comply with the hydrochloric acid and chlorine gas standard, the permittee must establish operating limits as per 63.1209(o) of this subpart.

**Condition 1-33: Operations under different modes of operation**  
Effective for entire length of Permit

**Applicable Federal Requirement:40CFR 63.1209(q), Subpart EEE**

**Item 1-33.1:**



This Condition applies to Emission Unit: K-ILNSG

**Item 1-33.2:**

If the facility operates under different modes of operation, the facility must establish operating parameter limits for each mode. The facility must document in the operating record when the facility changes a mode of operation and begin complying with the operating limits for an alternative mode of operation.

**Condition 1-34: Operations when residence time has expired  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(q)(1), Subpart EEE**

**Item 1-34.1:**

This Condition applies to Emission Unit: K-ILNSG

**Item 1-34.2:**

As provided by §63.1206(b)(1)(ii), the facility may operate under otherwise applicable requirements promulgated under §§112 and 129 of the Clean Air Act in lieu of the substantive requirements of 40CFR63, Subpart EEE.

The otherwise applicable requirements promulgated under §§112 and 129 of the Clean Air Act are applicable requirements under 40CFR63, Subpart EEE.

The facility must specify (e.g., by reference) the otherwise applicable requirements as a mode of operation in the Documentation of Compliance under §63.1211(c), the Notification of Compliance under §63.1207(j), and the title V permit application. These requirements include the otherwise applicable requirements governing emission standards, monitoring and compliance, and notification, reporting, and recordkeeping.

**Condition 1-35: Calculating rolling averages under different modes of  
operation  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(q)(2), Subpart EEE**

**Item 1-35.1:**

This Condition applies to Emission Unit: K-ILNSG

**Item 1-35.2:**

When the facility transitions to a different mode of operation, the facility must calculate rolling averages as follows:

- 1) Retrieval approach - Calculate rolling averages anew using the continuous monitoring system values previously recorded for that mode of operation (i.e., the facility ignores continuous monitoring system values subsequently recorded under other modes of operation when transitioning back to a mode of operation); or
- 2) Start anew - Calculate rolling averages anew without considering previous recordings. Rolling averages must be calculated as the average of the available one-minute values for the parameter until enough one-minute values are available to calculate hourly or 12-hour rolling averages, whichever is applicable to the parameter. The facility may not transition



to a new mode of operation using this approach if the most recent operation in that mode resulted in an exceedance of an applicable emission standard measured with a CEMS or operating parameter limit prior to the hazardous waste residence time expiring; or  
3) Seamless transition - Continue calculating rolling averages using data from the previous operating mode provided that both the operating limit and the averaging period for the parameter are the same for both modes of operation.

**Condition 52: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1210, Subpart EEE**

**Expired by Mod 1**

**Item 52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Within 90 (Ninety) days of completion of a comprehensive performance test or by June 30, 2003 whichever is earlier, the permittee must postmark and submit to the NYSDEC a Notification of Compliance (NOC) documenting compliance or noncompliance with the emission standards and CMS requirements of this subpart, and identifying operating parameter limits.

Upon postmark and submission of the NOC, the operating parameter limits identified in the NOC, as applicable, shall be complied with. The limits identified in the Documentation of Compliance (DOC) or a previous NOC are no longer applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 53: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1210, Subpart EEE**

**Expired by Mod 1**

**Item 53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 53.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must submit the final NIC to the NYSDEC by October 2, 2000, as per 63.1210(b).

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 54: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40CFR 63.1211(a), Subpart EEE

Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the affected source's startup, shutdown and malfunction plan, the permittee must report the actions taken within 2 (two) working days followed by a letter within 7 (seven) working days of the non-compliance consistent with the requirements of 40CFR 63.10(d)(5)(ii).



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 55: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 55.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 55.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40CFR 63.1211(a), Subpart EEE

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must submit to the NYSDEC a written report

within 5 (five) days of an emergency safety vent (ESV)

opening that results in non compliance with the emission

standards of this subpart, as defined by 40CFR 63.1206(c)(4)(iv)

documenting the results of the investigation and corrective measures taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 56: Compliance Certification**



**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 56.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 56.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40CFR 63.1211(a), Subpart EEE

Emission Unit: K-ILNSG

For each set of 10 (ten) exceedances of any emission standard or operating requirements while hazardous waste remains in the combustion chamber(i.e., when the hazardous waste residence time has not transpired

since the hazardous waste feed was ) cutoff during a 60-day block period, the permittee must submit to the NYSDEC a written report of exceedances within 5 (five) calendar days of the 10th exceedance as per

40CFR63.1206(c)(3)(vi).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 57: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

40CFR 63.1211(a), Subpart EEE

A startup, shutdown, and malfunction report must be submitted by the permittee to NYSDEC, if a startup, shutdown, or malfunction occurred during the reporting period as required by 40CFR 63.10(d)(5)(i). The report shall be delivered or postmarked by the 30th day following the end of each calendar half reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 58: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

63.1211(c) Summary of record keeping requirements:

The owner or operator of this facility shall retain the records in the operating record required by the following regulations:

- 40 CFR 63.1201(a)
- 40 CFR 63.10(b)
- and (c)
- 40 CFR 63.1211(d)
- 40 CFR 63.1206(c)(3)(vii)
- 40 CFR 63.1209(c)(2)
- 40 CFR 63



1206(b)(1)(ii)(B)  
40 CFR  
63.1206(c)(2)  
40 CFR  
63.1206(c)(3)(v)  
40 CFR 63  
1206(c)(4)(ii)  
40 CFR 63  
1206(c)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 59: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 59.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

**Item 59.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

40CFR 63.1211(c), Subpart EEE

63.1211(c) Summary of record keeping  
requirements:

The owner or operator of this facility  
shall retain  
the records in the operating record  
required by  
the following regulations:

40 CFR  
63.1201(a)  
40 CFR 63.10(b)  
and (c)  
40 CFR  
63.1211(d)  
40 CFR 63  
1206(c)(3)(vii)



40 CFR  
63.1209(c)(2)  
40 CFR 63  
1206(b)(1)(ii)(B)  
40 CFR  
63.1206(c)(2)  
40 CFR  
63.1206(c)(3)(v)  
40 CFR 63  
1206(c)(4)(ii)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-36: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 225-2.3(b)(3)**

**Item 1-36.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KAF

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

**Item 1-36.2:**

Compliance Certification shall include the following monitoring:

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

Combustion efficiency shall be at least 99%. The facility shall demonstrate the efficiency on a continuous basis by maintaining CO emissions less than the upper limit.

Manufacturer Name/Model Number: Siemens/CISCO Ultramat 5E

Upper Permit Limit: 500 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: 40CFR60,B, PS-4B

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



**Condition 1-37: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 225-2.4(a)(2)**

**Item 1-37.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KAF

**Item 1-37.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition in Part 225-2.2(b)(9). Blending to meet this limit may not be performed in the facility's tanks. A copy of the analysis of the fuel received from the deliverer must be retained by the facility for five years for each delivery. Such records shall be kept on site and furnished to the Department upon request.

Parameter Monitored: POLYCHLORINATED BIPHENYLS (48%CL)

Upper Permit Limit: 50 parts per million by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-38: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 225-2.4(a)(2)**

**Item 1-38.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KAF

**Item 1-38.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition in Part 225-2.2(b)(9). Blending to meet this limit may not be



performed in the facility's tanks. A copy of the analysis of the fuel received from the deliverer must be retained by the facility for five years for each delivery. Such records shall be kept on site and furnished to the Department upon request.

Parameter Monitored: LEAD

Upper Permit Limit: 250 parts per million by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-39: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 225-2.4(a)(2)**

**Item 1-39.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KAF

**Item 1-39.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition in Part 225-2.2(b)(9). Specifically, the fuel shall contain no chemical waste. (Chemical waste is liquid or semi-liquid waste other than waste oil, including but not limited to spent solvents, tars, paints, resins and wastes and sludges from any process.) Blending to meet this limit may not be performed in the facility's tanks. A copy of the analysis of the fuel received from the deliverer must be retained by the facility for five years for each delivery. Such records shall be kept on site and furnished to the Department upon request.

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 0 percent

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



**Condition 1-40: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 225-2.4(a)(2)**

**Item 1-40.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KAF

**Item 1-40.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition in Part 225-2.2(b)(9). Blending to meet this limit may not be performed in the facility's tanks. A copy of the analysis of the fuel received from the deliverer must be retained by the facility for five years for each delivery. Such records shall be kept on site and furnished to the Department upon request.

Parameter Monitored: TOTAL HALOGENS

Upper Permit Limit: 1000 parts per million by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -  
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-41: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 225-2.4(a)(2)**

**Item 1-41.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KAF

**Item 1-41.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Waste Fuel A must meet the definition in Part 225-2.2(b)(9). Blending to meet this limit may not be



performed in facility's tanks. A copy of the analysis of the fuel received from the deliverer must be retained by the facility for five years for each delivery. Such records shall be kept on site and furnished to the Department upon request.

Parameter Monitored: HEAT CONTENT

Lower Permit Limit: 125000 British thermal units per gallon

Monitoring Frequency: PER DELIVERY

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 60: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 60.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KCC

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 60.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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



**Condition 1-42: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 212.5(e)**

**Item 1-42.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 007439-92-1	LEAD
CAS No: 007439-97-6	MERCURY
CAS No: 007440-41-7	BERYLLIUM
CAS No: 007440-43-9	CADMIUM
CAS No: 007440-47-3	CHROMIUM
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 007782-50-5	CHLORINE
CAS No: 007440-38-2	ARSENIC

**Item 1-42.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Limits for these contaminants are the NESHAP (40 CFR 63 EEE) limits.

A process emission source, subject to the Federal NESHAP in 40 CFR 61 satisfies the requirements of Part 212 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.

Furthermore, the degree of air cleaning required by Part 212.3 (a) under Part 212, Table 2, is "specified by the commissioner" since each of these contaminants has an ERP < 1 lb/hr (with the exception of HCl with an ERP < 10 lb/hr. But, since HCl's environmental rating is B [AG-1 low toxic], the degree of air cleaning required is also "specified by the commissioner.") The Department shall let the degree of air cleaning specified by the commissioner equal the NESHAP limits.

Monitoring frequency: see separate conditions in this permit under 40 CFR 63 EEE 1207 and 1209.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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

**Condition 1-43: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 212.5(e)**

**Item 1-43.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-43.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Limits for these contaminants are the NESHAP (40 CFR 63 EEE) limits.

A process emission source, subject to the Federal NESHAP in 40 CFR 61 satisfies the requirements of Part 212 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.

Furthermore, the permissible emission rate based on process weight required by Part 212.3 (a) under Part 212, Table 7, is 0.024(P) to the 0.67 power = 0.024 (23.4 lb/hr) to the 0.67 power = 26.9 lb/hr. The actual emission rate is: CPT 1: 0.44 lb/hr; CPT 2: 0.23 lb/hr. Therefore, the facility meets the Part 212 PM limits.

Monitoring frequency: see separate conditions in this permit under 40 CFR 63 EEE 1207 and 1209.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-44: NESHAP General Provisions**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63, Subpart A**



**Item 1-44.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-44.2:**

This emission source is subject to the applicable provisions of 40 CFR 63 Subpart A. The facility owner is responsible for complying with all applicable technical, administrative and reporting requirements.

**Condition 1-45: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1205(a)(1), Subpart EEE**

**Item 1-45.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

**Item 1-45.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Standard: (i) dioxin and furan (D/F) emissions shall not exceed the upper limit; or

(ii) the combustion gas temperature at the exit of the (last) combustion chamber (or exit of any waste heat recovery system) shall be rapidly quenched to 400 degrees Fahrenheit or lower based on the average of the test run average temperatures.

Also, intermittent emission testing for this contaminant shall be done and shall meet the requirements of 40 CFR 63 EEE 1207 and 1208 as they apply to this contaminant.

Upper Permit Limit: 0.20 nanogram toxicity equivalence  
per dry standard cu meter, corrected  
to 7% O<sub>2</sub>

Reference Test Method: 40CFR60, Method 23A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



**Condition 1-46: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1205(a)(2), Subpart EEE**

**Item 1-46.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 007439-97-6      MERCURY

**Item 1-46.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Standard: emissions shall not exceed the upper  
limit.

Also, intermittent emission testing for this parameter  
shall be done and shall meet the requirements of 40 CFR 63  
EEE 1207, 1208 as they apply to this contaminant.

Upper Permit Limit: 120 micrograms per dry standard  
cubic meter (corrected to 7% oxygen)

Reference Test Method: 40CFR60, Method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-47: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1205(a)(3), Subpart EEE**

**Item 1-47.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 007440-43-9      CADMIUM  
CAS No: 007439-92-1      LEAD

**Item 1-47.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Standard: combined lead and cadmium emissions shall not exceed the upper limit.

Also, intermittent emission testing for this contaminant shall be done and shall meet the requirements 40 CFR 63 EEE 1207, 1208 as they apply to this contaminant.

Upper Permit Limit: 250 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40CFR60, method 29

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-48: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1205(a)(4), Subpart EEE**

**Item 1-48.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 007440-41-7 BERYLLIUM

CAS No: 007440-47-3 CHROMIUM

CAS No: 007440-38-2 ARSENIC

**Item 1-48.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Standard: combined arsenic, beryllium, chromium emissions shall not exceed the upper limit.

Also, intermittent emission testing for this contaminant shall be done and shall meet the requirements of 40 CFR 63 EEE 1207, 1208 as they apply to this contaminant.

Upper Permit Limit: 110 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: 40CFR60, Method 29



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-49: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1205(a)(5)(i), Subpart EEE**

**Item 1-49.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

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

**Item 1-49.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)  
Monitoring Description:  
Standard: emissions shall not exceed the upper limit.

Also, intermittent emission testing/monitoring for this contaminant shall be done and shall meet the requirements 40 CFR 63 EEE 1207, 1208, 1209 as they apply to this contaminant.

Manufacturer Name/Model Number: Siemens/CISCO Ultramat 5E  
Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)  
Reference Test Method: 40CFR60,PS4B  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-50: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1205(a)(5)(ii), Subpart EEE**

**Item 1-50.1:**



The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 068514-31-8      HYDROCARBONS, C1-4

**Item 1-50.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

If you elect to comply with the carbon monoxide standard rather than the hydrocarbon (HC) standard under (a)(5)(ii), you must also document that, during the DRE test runs or their equivalent as provided by 1206(b)(7), HC does not exceed the upper limit during those runs, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system) and reported as propane.

Intermittent emission testing for this contaminant shall be per the requirements of 40 CFR 63.1207, 1208 as they apply to this contaminant.

Upper Permit Limit: 20 parts per million by volume (dry,  
corrected to 7% O<sub>2</sub>)

Reference Test Method: 40CFR60, PS8A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-51: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1205(a)(6), Subpart EEE**

**Item 1-51.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 007647-01-0      HYDROGEN CHLORIDE



**Item 1-51.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Standard: this emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrochloric Acid and Chlorine Gas in excess of 600 ppm by volume, combined emissions, expressed as hydrochloric acid equivalents, dry basis, corrected to 7 percent oxygen.

Also, intermittent emission testing for this contaminant shall be done and shall meet the requirements of 40 CFR 63 EEE 1207, 1208 as they apply to this contaminant.

Upper Permit Limit: 600 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: Method 26

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-52: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1205(a)(7), Subpart EEE**

**Item 1-52.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

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

**Item 1-52.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Standard: emissions shall not exceed the upper limit.

Also, intermittent emission testing for this contaminant shall be done and shall meet the requirements of 40 CFR 63 EEE 1207, 1208 as they apply to this contaminant.



Upper Permit Limit: 57 milligrams per dry standard cubic  
meter

Reference Test Method: Method 5 or 5I

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-53: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1205(c)(1), Subpart EEE**

**Item 1-53.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-53.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Standard: Destruction and Removal Efficiency (DRE) shall  
exceed the lower limit for each Principal Organic  
Hazardous Constituent (POHC).

Also, intermittent emission testing for this parameter  
shall be done and shall meet the requirements of 40 CFR 63  
EEE 1207, 1208 as they apply to this parameter. DRE shall  
be calculated per 1205(c).

Lower Permit Limit: 99.99 percent

Reference Test Method: Method 0023A/0010

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-54: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1205(d), Subpart EEE**



**Item 1-54.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

**Item 1-54.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Significant figures: the emission limits provided by 1205

(a) and (b) are presented with 2 significant figures.

Although you must perform intermediate calculations using

at least 3 significant figures, you may round the

resultant emission levels to 2 significant figures to

document compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-55: Periods when emission units are subject to Subpart EEE  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(b)(1), Subpart EEE**

**Item 1-55.1:**

This Condition applies to Emission Unit: K-ILNSG

Process: KHF

**Item 1-55.2:**

The emission standards and operating requirements set forth in 40CFR63, Subpart EEE apply at all times except during periods of startup, shutdown, and malfunction; and when hazardous waste is not in the combustion chamber (i.e., the hazardous waste feed to the combustor has been cut off for a period of time not less than the hazardous waste residence time) and you have documented in the operating record that you are complying with all otherwise applicable requirements and standards, as stated in §63.1206(b)(1)(ii).

**Condition 1-56: Methods for determining compliance with Subpart EEE  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(b)(2), Subpart EEE**

**Item 1-56.1:**

This Condition applies to Emission Unit: K-ILNSG

Process: KHF

**Item 1-56.2:**



Compliance with 40CFR63, Subpart EEE will be determined as provided by §63.6(f)(2) of Subpart A. Conducting performance testing under operating conditions representative of the extreme range of normal conditions is consistent with the requirements of §§63.6(f)(2)(iii)(B) and 63.7(e)(1) to conduct performance testing under representative operating conditions.

**Condition 1-57: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1206(b)(5), Subpart EEE**

**Item 1-57.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-57.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility changes the design, operation, or maintenance practices of the source in a manner that may adversely affect compliance with any emission standard that is not monitored with a CEMS, the facility must:

- 1) Notify NYSDEC at least 60 days prior to the change, unless the circumstances are documented that dictate why such prior notice is not reasonably feasible. The notification must include a description of the changes and which emission standards may be affected and a comprehensive performance test schedule and test plan under the requirements of §63.1207(f) that will document compliance with the affected emission standard.
- 2) Conduct a performance test under the requirements of §63.1207(f)(1) and (g)(1) to document compliance with the affected emission standard(s) and establish operating parameter limits as required in §63.1209, and submit to NYSDEC a Notification of Compliance under §63.1207(j) and §63.1210(d).
- 3) The facility may not burn hazardous waste for more than 720 hours after the change and prior to submittal of the notification of compliance. Burning hazardous waste may only be performed for the purposes of pretesting or comprehensive performance testing. The facility may petition NYSDEC to obtain written approval to burn hazardous waste in the interim prior to submitting a Notification of Compliance for purposes other than testing or pretesting. The facility must specify operating



requirements, including limits on operating parameters, that is determined will ensure compliance with the emission standards of 40CFR63, subpart EEE based on available information.

If the facility determines that a change will not adversely affect compliance with the emission standards or operating requirements, the facility must document the change in the operating record upon making such change. The facility must revise as necessary the performance test plan, Documentation of Compliance, Notification of Compliance, and startup, shutdown, and malfunction plan to reflect these changes.

For purposes of this condition, "change" means any change in design, operation, or maintenance practices that were documented in the comprehensive performance test plan, Notification of Compliance, or startup, shutdown, and malfunction plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-58: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(b)(6), Subpart EEE**

**Item 1-58.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-58.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility elects to comply with the carbon monoxide and hydrocarbon emission standards under §63.1203-1205 by documenting continuous compliance with the CO standard using a continuous emissions monitoring system and documenting compliance with the hydrocarbon standard during the destruction and removal efficiency (DRE) performance test or its equivalent;

- If a DRE test performed pursuant to §63.1207(c)(2) is acceptable as documentation of compliance with the DRE



standard, the facility may use the highest hourly rolling average hydrocarbon level achieved during the DRE test runs to document compliance with the hydrocarbon standard.

An acceptable DRE test is any test for which the data and results are determined to meet quality assurance objectives (on a site-specific basis) such that the results adequately demonstrate compliance with the DRE standard.

- If during this acceptable DRE test the facility did not obtain hydrocarbon emissions data sufficient to document compliance with the hydrocarbon standard, the facility must either:

- 1) perform, as part of the performance test, an "equivalent DRE test" to document compliance with the hydrocarbon standard. An equivalent DRE test is comprised of a minimum of 3 runs each with a minimum duration of one hour during which the facility operates the combustor as close as reasonably possible to the operating parameter limits that were established based on the initial DRE test. The facility must use the highest hourly rolling average hydrocarbon emission level achieved during the equivalent DRE test to document compliance with the hydrocarbon standard; or
- 2) Perform a DRE test as part of the performance test.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-59: Compliance with a DRE standard  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1206(b)(7), Subpart EEE**

**Item 1-59.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-59.2:**

The facility must document compliance with the destruction and removal efficiency (DRE) standard under §§63.1203-1205 only once, provided that the facility does not modify the source after the DRE test in a manner that could affect the ability of the source to achieve the DRE standard.

The facility may use any DRE test data that documents that the source achieves the required level of DRE provided no modification of the design or operation of the source has occurred that could effect the ability of the source to achieve the DRE standard since the DRE test was performed and the DRE test data meets quality assurance objectives determined on a site-specific basis.



If the facility feeds hazardous waste at a location in the combustion system other than the normal flame zone, the facility must demonstrate compliance with the DRE standard during each comprehensive performance test.

If the facility does not use DRE previous testing to document conformance with the DRE standard pursuant to §63.1207(c)(2), the facility must perform DRE testing during the initial comprehensive performance test.

**Condition 1-60: Calculation of hazardous waste residence time  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(b)(11), Subpart EEE**

**Item 1-60.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-60.2:**

The facility must calculate the hazardous waste residence time and include the calculation in the performance test plan under §63.1207(f) and the operating record. The facility must also provide the hazardous waste residence time in the Documentation of Compliance under §63.1211(c) and the Notification of Compliance under §63.1207(j) and §63.1210(b).

**Condition 1-61: Documenting compliance with the emission standards based  
on performance testing  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(b)(12), Subpart EEE**

**Item 1-61.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-61.2:**

The facility must conduct a minimum of three runs of a performance test required under §63.1207 to document compliance with the emission standards of Subpart EEE.

The facility must also document compliance with the emission standards based on the arithmetic average of the emission results of each run, except that the facility must document compliance with the destruction and removal efficiency (DRE) standard for each run of the comprehensive performance test individually.

**Condition 1-62: General operating requirements  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(1), Subpart EEE**

**Item 1-62.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-62.2:**



The facility must operate only under the operating requirements specified in the Documentation of Compliance under §63.1211(c) or the Notification of Compliance under §63.1207(j) and §63.1210(b), except:

- During performance tests under approved test plans according to §63.1207(e), (f), and (g)
- During periods of startup, shutdown, and malfunction
- When the combustion chamber does not contain hazardous waste (the hazardous waste feed to the combustor has been cut off for a period of time not less than the hazardous waste residence time) and the facility has documented in the operating record that the facility is otherwise complying with all applicable requirements and standards promulgated under section 112 of the Clean Air Act

The Documentation of Compliance and the Notification of Compliance must contain operating requirements including, but not limited to, the operating requirements in section §63.1206 and §63.1209. Failure to comply with the operating requirements is failure to ensure compliance with the emission standards of Subpart EEE.

Operating requirements in the Notification of Compliance are applicable requirements for purposes of 40CFR70 and 71 and will be incorporated in the Title V permit.

**Condition 1-63: §63.1206(c)(2)(iii) - Identification of projected oxygen correction factor**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(2), Subpart EEE**

**Item 1-63.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-63.2:**

The facility must identify in the startup/shutdown/malfunction plan a projected oxygen correction factor based on normal operations to use during periods of startup and shutdown.

**Condition 1-64: §63.1206(c)(2)(iv) - Recording of Startup/Shutdown/Malfunction plan**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(2), Subpart EEE**

**Item 1-64.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-64.2:**

The facility must record the startup/shutdown/malfunction plan in the operating record.

**Condition 1-65: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(2), Subpart EEE**



**Item 1-65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility is subject to the startup, shutdown, and malfunction (SSM) plan requirements in §63.6(e)(3). These requirements require the facility to develop and implement a written SSM plan which outlines procedures to be taken during an SSM event which minimizes the emissions of HAP's during the event. Records shall be kept of whether the procedures in the plan were followed during the events, or if the procedures were not followed, the facility shall report such action to the NYSDEC within 2 days verbally and 7 days by letter. The plan shall be available upon request from the agency to be submitted for review.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-66: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(2), Subpart EEE**

**Item 1-66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

During malfunctions, the automatic waste feed cutoff



requirements of §63.1206(c)(3) continue to apply, except for exceedances as described in §63.1206(c)(3)(v) and (vi). If a Subpart EEE emission standard monitored by a CEMS or COMS or an operating limit under §63.1209 is exceeded, the automatic waste feed cutoff system must immediately and automatically cutoff the hazardous waste feed, except as provided in the pumping down of the waste feed provisions in §63.1206(c)(3)(viii). If the malfunction itself prevents immediate and automatic cutoff of the hazardous waste feed, however, the facility must cease feeding hazardous waste as quickly as possible.

Although the automatic waste feed cutoff requirements continue to apply during a malfunction, an exceedance of an emission standard monitored by a CEMS or COMS or operating limit specified in §63.1209 is not a violation of Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction (SSM) plan.

For each set of 10 exceedances of an emissions standard or operating requirement while hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not transpired since the hazardous waste feed was cutoff) during a 60-day block period, you must:

- within 45 days of the 10th exceedance, complete an investigation of the cause of each exceedance and evaluation of approaches to minimize the frequency, duration, and severity of each exceedance, and revise the SSM plan as warranted by the evaluation to minimize the frequency, duration, and severity of each exceedance; and
- record the results of the investigation and evaluation in the operating record, and include a summary of the investigation and evaluation, and any changes to the SSM plan, in the excess emissions report required under §63.10(e)(3).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-67: §63.1206(c)(3)(i) - Corrective measures  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1206(c)(3), Subpart EEE**

**Item 1-67.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF



**Item 1-67.2:**

If, after any automatic waste feed cutoff (AWFCO), there is an exceedance of an emission standard or operating requirement, irrespective of whether the exceedance occurred while hazardous waste remained in the combustion chamber (i.e., whether the hazardous waste residence time has transpired since the hazardous waste feed cutoff system was activated), the facility must investigate the cause of the AWFCO, take appropriate corrective measures to minimize future AWFCOs, and record the findings and corrective measures in the operating record.

**Condition 1-68: §63.1206(c)(3)(ii) - Ducting of combustion gases  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE**

**Item 1-68.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-68.2:**

During an automatic waste feed cutoff (AWFCO), the facility must continue to duct combustion gases to the air pollution control system while hazardous waste remains in the combustion chamber (i.e., if the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system was activated).

**Condition 1-69: §63.1206(c)(3)(iii) - Restarting waste feed  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE**

**Item 1-69.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-69.2:**

The facility must continue to monitor during the cutoff the operating parameters for which limits are established under §63.1209 and the emissions required under that section to be monitored by a CEMS, and the facility must not restart the hazardous waste feed until the operating parameters and emission levels are within the specified limits.

**Condition 1-70: §63.1206(c)(3)(iv) - Failure of the AWFCO system  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE**

**Item 1-70.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-70.2:**

If the automatic waste feed cutoff (AWFCO) system fails to automatically and immediately cutoff the flow of hazardous waste upon exceedance of parameter required to be interlocked with the AWFCO system under §63.1206(c)(3)(i), the facility has failed to comply with the AWFCO



requirements of §63.1206(c)(3).

**Condition 1-71: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE**

**Item 1-71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-71.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Upon the compliance date, the facility must operate the hazardous waste combustor with a functioning system that immediately and automatically cuts off the hazardous waste feed, except as provided by the ramping down feed waste provisions in §63.1206(c)(3)(viii):

- 1) when any of the operating parameters limits specified under §63.1209, emission standards monitored by a CEMS, or the allowable combustion chamber pressure are exceeded;
- 2) when the span value of any CMS detector, except a CEMS, is met or exceeded;
- 3) upon malfunction of a CMS monitoring an operating parameter limit specified under §63.1209 or an emission level; or
- 4) when any component of the automatic waste feed cutoff system fails.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-72: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE**

**Item 1-72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF



Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each set of 10 exceedances of an emission standard or operating requirement while hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not transpired since the hazardous waste feed was cutoff) during a 60-day block period, the facility must submit to the Administrator a written report within 5 calendar days of the 10th exceedance documenting the exceedances and results of the investigation and corrective measures taken. On a case-by-case basis, the Administrator may require excessive exceedance reporting when fewer than 10 exceedances occur during a 60-day block period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-73: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(3), Subpart EEE**

**Item 1-73.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-73.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The automatic waste feed cutoff system (AWFCO) and associated alarms must be tested at least weekly to verify operability, unless the facility documents in the operating record that weekly inspections will unduly restrict or upset operations and that less frequent inspection will be adequate. At a minimum, the facility must conduct operability testing at least monthly. The facility must document and record in the operating record AWFCO operability test procedures and results.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-74: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1206(c)(5), Subpart EEE**

**Item 1-74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Combustion system leaks of hazardous air pollutants must be controlled by one of the following:

- 1) Keeping the combustion zone sealed to prevent combustion system leaks;
- 2) Maintaining the maximum combustion zone pressure lower than ambient pressure using an instantaneous monitor;
- 3) Upon prior written approval of the Administrator, an alternative means of control to provide control of combustion system leaks equivalent to maintenance of combustion zone pressure lower than ambient pressure;
- 4) Upon prior written approval of the Administrator, other technique(s) which can be demonstrated to prevent fugitive emissions without use of instantaneous pressure limits.

The facility must specify in the operating record the method used for control of combustion system leaks.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-75: §63.1206(c)(6)(i) - Record of training and certification**  
**Effective for entire length of Permit**



**Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE**

**Item 1-75.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-75.2:**

The facility must record the operator training and certification program in the operating record.

**Condition 1-76: §63.1206(c)(6)(i) - Requirements for control room operators at cement kiln and lightweight aggregate kilns Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE**

**Item 1-76.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-76.2:**

Cement kiln and lightweight aggregate kiln control room operators must be trained and certified under a site-specific, source-developed and implemented program that meets the requirements of §63.1206(c)(6)(v) or a state program.

**Condition 1-77: §63.1206(c)(6)(ii) - Certified operator on site Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE**

**Item 1-77.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-77.2:**

The facility must ensure that the source is operated and maintained at all times by persons who are trained and certified to perform these and any other duties that may affect emissions of hazardous air pollutants. A certified control room operator must be on duty at all times the source is in operation.

**Condition 1-78: Compliance Certification Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE**

**Item 1-78.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP



**Item 1-78.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Site-specific, source developed and implemented training programs for control room operators must include the following elements:

- 1) Training on the following subjects:
  - environmental concerns, including types of emissions;
  - basic combustion principles, including products of combustion
  - operation of the specific type of combustor used by the operator, including proper startup, waste firing, and shutdown procedures
  - combustion controls and continuous monitoring systems
  - operation of air pollution control equipment and factors affecting performance
  - inspection and maintenance of the combustor, continuous monitoring systems, and air pollution control devices
  - actions to correct malfunctions or conditions that may lead to malfunction
  - residue characteristics and handling procedures
  - applicable Federal, state, and local regulations, including OSHA workplace standards
- 2) An examination designed and administered by the instructor; and
- 3) Written material covering the training course topics that may serve as reference material following completion of the course

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-79: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1206(c)(6), Subpart EEE**

**Item 1-79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

To maintain control room operator qualification under a site-specific, source developed and implemented training program as provided by §63.1206(c)(6)(v), control room operators must complete an annual review or refresher course covering, at a minimum, the following topics:

- update of regulations
- combustor operation, including startup and shutdown procedures, waste firing, and residue handling
- inspection and maintenance
- responses to malfunctions or conditions that may lead to malfunction
- operating problems encountered by the operator

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-80: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1206(c)(6), Subpart EEE**

**Item 1-80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must establish training programs for all categories of personnel whose activities may reasonably be expected to directly affect emissions of hazardous air pollutants from the source. Such persons include, but are not limited to, chief facility operators, control room operators, continuous monitoring system operators, persons that sample and analyze feedstreams, persons that manage and charge feedstreams to the combustor, persons that operate emission control devices, and ash and waste handlers.

Each training program shall be of a technical level commensurate with the person's job duties specified in the training manual.

Each commensurate training program shall require an examination to be administered by the instructor at the



end of the training course. Passing of this test shall be deemed the "certification" for personnel, except that, for control room operators, the training and certification program shall be as specified in §63.1206(c)(6)(iii) through (vi).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-81: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1206(c)(7), Subpart EEE**

**Item 1-81.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-81.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility owns or operates a hazardous waste incinerator or hazardous waste burning lightweight aggregate kiln equipped with a baghouse (fabric filter), the facility must include in the operation and maintenance required in §63.1206(c)(7)(i) a corrective measures plan that specifies the procedures the facility will follow in the case of a bag leak detection system alarm. The corrective measures plan must include, at a minimum, the procedures used to determine and record the time and cause of the alarm as well as the corrective measures taken to correct the control device malfunction or minimize emissions as specified below. Failure to initiate the corrective measures required by this condition is failure to ensure compliance with the emission standards in this Subpart EEE.

The facility must initiate the procedures used to determine the cause of the alarm within 30 minutes of the time the alarm first sounds and the facility must alleviate the cause of the alarm by taking the necessary corrective measure(s) which may include, but are not to be limited to, the following measures:

- inspecting the baghouse for air leaks, torn or broken filter elements, or any other malfunction that may cause



- an increase in emissions;
- sealing off defective bags or filter media
- replacing defective bags or filter media, or otherwise repairing the control device
- sealing off a defective baghouse compartment
- cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system, or
- shutting down the combustor

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-82: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1206(c)(7), Subpart EEE**

**Item 1-82.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: ONY100-00-0 HAP

**Item 1-82.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility owns or operates a hazardous waste incinerator or hazardous waste burning lightweight aggregate kiln equipped with a baghouse (fabric filter), the facility must continuously operate a bag leak detection system that:

- 1) must be certified by the manufacturer to be capable of continuously detecting and recording particulate matter emissions at concentrations of 1.0 mg/acm unless the facility demonstrates, pursuant to procedures in §63.1209(a)(1), that a higher sensitivity would adequately detect bag leaks;
- 2) shall provide output of relative particulate matter loadings;
- 3) shall be equipped with an alarm system that will sound an audible alarm when an increase in relative particulate loadings is detected over a preset level;
- 4) shall be installed and operated in a manner consistent with available written guidance from the EPA or, in the absence of such written specifications and recommendations for installation, operation, and adjustment of the system;



- 5) the initial adjustment of the system shall, at a minimum, consist of establishing the baseline output by adjusting the sensitivity (range) and the averaging period of the device, and establishing the alarm set points and the alarm delay time;
- 6) following initial adjustment, the facility must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time, except as detailed in the operation and maintenance plan required under §63.1206(c)(7)(i). The facility must not increase the sensitivity by more than 100% or decrease the sensitivity by more than 50% over a 365-day period unless such adjustment follows a complete baghouse inspection which demonstrates the baghouse is in good operating condition;
- 7) for negative pressure or induced air baghouses, and positive pressure baghouses that are discharged to the atmosphere through a stack, the bag leak detector shall be installed downstream of the baghouse and upstream of any wet acid gas scrubber; and
- 8) where multiple detectors are required, the system's instrumentation and alarm system may be shared among the detectors.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 1-83: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1206(c)(7), Subpart EEE**

**Item 1-83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must prepare and at all times operate according to an operation and maintenance plan that describes in detail procedures for operation, inspection, maintenance, and corrective measures for all components of the combustor, including associated pollution control equipment, that could affect emissions of regulated



hazardous air pollutants.

The plan must prescribe how the facility will operate and maintain the combustor in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels achieved during the comprehensive performance test.

This plan ensures compliance with the operation and maintenance requirements of §63.6(e) and minimizes emissions of pollutants, automatic waste feed cutoffs, and malfunctions.

The facility must record the operation and maintenance plan in the operating record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-84: Applicability of Subpart A performance testing requirements**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(a), Subpart EEE**

**Item 1-84.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-84.2:**

The provisions of §63.7 apply, except as noted in §63.1207 and summarized in Table 1 of Subpart EEE.

**Condition 1-85: Compliance Certification**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(b)(1), Subpart EEE**

**Item 1-85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-85.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Types of performance tests - (1) Comprehensive performance test (cpt)

As required by 40CFR 63.1207(b)(1), the permittee must conduct comprehensive performance tests (cpt) to demonstrate compliance with the emission standards in 40 CFR 63.1205, establish limits for operating parameters of 40CFR 63.1209, and demonstrate compliance with the performance specifications for continuous monitoring systems (CMS).

As required by 40CFR 63.1207(c)(1), the permittee must commence initial comprehensive performance tests (cpt) by March 30, 2004, except as provided by (c)(2).

As required by 40CFR 63.1207(d)(1), the subsequent cpt must commence no later than 61 months after the date of commencing the previous cpt, except as otherwise specified in (d)(4).

As required by 40CFR 63.1207(d)(3), the cpt must be completed within the 60 days after the date of commencement unless DEC determines that a time extension is warranted based on documentation in writing of factors beyond permittee's control that prevent permittee from meeting the 60 day deadline.

The provisions of 40CFR 63.7(b) and (c) and 63.8(e) apply, except:

As required by 40CFR 63.1207(e)(1)(i), the permittee must submit to the NYSDEC a notification of intention to conduct a cpt, CMS performance evaluation, a site specific test plan, and CMS performance evaluation test plan at least one year before the cpt and CMS performance evaluations are scheduled to begin.

As required by 40CFR 63.1207(e)(1)(i)(A), NYSDEC will notify the permittee of approval or intent to deny approval of the site-specific test plan and CMS performance evaluation test plan within 9 months after receipt of the original plan.

As required by 40CFR 63.1207(e)(1)(i)(B), the permittee must submit to the NYSDEC a notification of intention to conduct the cpt at least 60 calendar days before the test is scheduled to begin.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-86: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1207(b)(2), Subpart EEE**

**Item 1-86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Types of performance tests - (2) Confirmatory performance test (ct)

As required by 40 CFR 63.1207(b)(2), the permittee must conduct confirmatory performance tests (ct) to demonstrate compliance with the dioxin/furan emission standards in this subpart, under normal operating conditions and conduct a performance evaluation of CMS required for compliance assurance with the dioxin/furan emission standard under 1209(k).

As required by 40 CFR 63.1207(d)(2), the subsequent ct must commence no earlier than 18 months and no later than 31 months after the date of commencing the previous cpt, except as otherwise specified in (d)(4).

As required by 40 CFR 63.1207(d)(3), the ct must be completed within the 60 days after the date of commencement, unless DEC determines that a time extension is warranted based on documentation in writing of factors beyond permittee's control that prevent the permittee from meeting the 60 day deadline.

The provisions of 40 CFR 63.7(b) and (c) and 63.8(e) apply, except:

As required by 40 CFR 63.1207(e)(1)(ii), the permittee must submit to the NYSDEC a notification of intention to conduct a ct and CMS performance evaluation and a site-specific test plan and CMS performance evaluation test plan at least 60 calendar days before the test is scheduled to begin. NYSDEC will notify the permittee of



approval or intent to deny approval of the site-specific test plan and CMS performance evaluation test plan within 30 calendar days after receipt of the original test plans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-87: Public review of test plan  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(e)(2), Subpart EEE**

**Item 1-87.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-87.2:**

After the Administrator has approved the site-specific test plan and CMS performance evaluation test plan, the facility must make the test plans available to the public for review. The facility must issue a public notice announcing the approval of the test plans and the location where the test plans are available for review.

**Condition 1-88: Content of comprehensive test plan  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(f)(1), Subpart EEE**

**Item 1-88.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-88.2:**

The provisions of §63.7(c)(2)(i)-(iii) and (v) regarding the content of the test plan apply.

In addition, for the comprehensive performance test plan, the facility must include:

1) an analysis of each feedstream, including hazardous waste, other fuels, and industrial furnace feedstocks, as fired, that includes heating value, levels of ash (for hazardous waste incinerators only), levels of semivolatile metals, low volatile metals, mercury, and total chlorine (organic and inorganic); and viscosity or description of the physical form of the feedstream

2) For organic HAPs (OHAPs) established by 42 USC 7412(b)(1), excluding caprolactum as provided by §63.60: a) an identification of such OHAPs that are present in each hazardous waste feedstream. The facility does not need to analyze for OHAPs that would reasonably not be expected to be found in the feedstream. The facility must identify any constituents that were excluded from analysis and explain the basis for excluding them.

The feedstream analysis must be performed as provided in §63.1208(b)(8). b) an approximate quantification of such identified OHAPs in the hazardous waste feedstreams, within the precision produced by analytical procedures of §63.1208(b)(8). c) a description of blending procedures, if applicable, prior to firing the hazardous waste feedstream, including a detailed analysis of the materials prior to blending, and blending ratios. d) the Administrator may approve on a case-by-case basis a hazardous waste feedstream analysis



for OHAPs in lieu of the analysis required under §63.1207(f)(1)(ii)(A) if the reduced analysis is sufficient to ensure that the POHCs used to demonstrate compliance with the applicable DRE standard of §63.1203, §63.1204, or §63.1205, continue to be representative of the OHAPs in the facility's hazardous waste feedstream.

3) A detailed engineering description of the hazardous waste combustor, including:

- manufacturer's name and model number of the hazardous waste combustor
- type of hazardous waste combustor
- maximum design capacity in appropriate units
- description of the feed system for each feedstream
- capacity of each feed system
- description of automatic hazardous waste feed cutoff system(s)
- description of the design, operation, and maintenance practices for any air pollution control system, and
- description of the design, operation, and maintenance practices for any stack gas monitoring and pollution control monitoring systems.

4) A detailed description of sampling and monitoring procedures including sampling and monitoring locations in the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.

5) A detailed test schedule for each hazardous waste for which the performance test is planned, including date(s), duration, quantity of hazardous waste to be burned, and other relevant factors

6) A detailed test protocol, including, for each hazardous waste identified, the ranges of hazardous waste feedrate for each feed system, and, as appropriate, the feedrates of other fuels and feedstocks, and any other relevant parameters that may affect the ability of the hazardous waste combustor to meet the emission standards

7) A description of, and planned operating conditions for, any emission control equipment that will be used

8) Procedures for rapidly stopping the hazardous waste feed and controlling emissions in the event of an equipment malfunction

9) A determination of the hazardous waste residence time as required by §63.1206(b)(11)

10) If the facility is requesting to extrapolate metal feedrate limits from comprehensive performance test levels under §63.1209(l)(1)(i) or §63.1209(n)(2)(ii)(A); a description of the extrapolation methodology and rationale for how the approach ensures compliance with the emission standards; documentation of the historical range of normal (i.e., other than during compliance testing) metals feedrates for each feedstream, and documentation that the level of spiking recommended during the performance test will mask sampling and analysis imprecision and inaccuracy to the extent that the extrapolated feedrate limits adequately assure compliance with the emission standards

11) If the facility does not continuously monitor regulated constituents in natural gas, process air feedstreams, and feedstreams from vapor recovery systems under §63.1209(c)(5), the facility must include documentation of the expected levels of regulated constituents in those feedstreams

12) Documentation justifying the duration of system conditioning required to ensure the combustor has achieved steady-state operations under performance test operating conditions, as provided by §63.1208(g)(1)(iii).

13) If the facility is not required to conduct performance testing to document compliance with the mercury, semivolatile metal, low volatile metal, or hydrochloric acid/chlorine gas emission standards under §63.1207(m), the facility must include documentation of



compliance with the provisions of that section.

14) If the facility proposes to use a surrogate for measuring or monitoring gas flowrate, the facility must document that the surrogate adequately correlates with gas flowrate, as required by §63.1207(m)(7), and §63.1209(j)(2), (k)(3), (m)(2)(i), (n)(5)(i), and (o)(2)(i).

15) The facility must submit an application to request alternative monitoring under §63.1209(g)(1) not later than with the comprehensive performance test plan, as required by §63.1209(g)(1)(iii)(A).

16) The facility must document the temperature location measurement in the comprehensive performance test plan as required in §63.1209(j)(1)(i) and (k)(2)(i)

17) If the facility feeds a dioxin/furan inhibitor into the combustion system, the facility must document in the comprehensive performance test plan key parameters that affect the effectiveness of the inhibitor, and the operating limits the facility established for those parameters based on the inhibitor fed during the performance test, if the facility elects not to specify and use the brand the type of inhibitor used during the comprehensive performance test, as required by §63.1209(k)(9)(ii)

18) If the source is equipped with a wet scrubber and the facility elects to monitor solids content of the scrubber liquid manually but believes that hourly monitoring of solids content is not warranted, the facility must support an alternative monitoring frequency in the comprehensive performance test plan, as required by §63.1209(m)(1)(i)(B)(1)(i).

19) If the source is equipped with a particulate matter control device other than a wet scrubber, baghouse, or electrostatic precipitator, the facility must include in the comprehensive performance test plan documentation to support the operating parameter limits established for the control device, as required by §63.1209(m)(1)(iv)(A)(4), and support for the use of manufacturer specifications if the facility recommends such specifications in lieu of basing operating limits on performance test operating levels, as required by §63.1209(m)(1)(iv)(D).

20) For purposes of calculating semivolatile metal, low volatile metal, mercury, and total chlorine (organic and inorganic), and ash feedrate limits, a description of how the facility will handle performance test feedstream analytical results that determines these constituents are not present at detectable levels

21) Such other information as the Administrator reasonably finds necessary to determine whether to approve the performance test plan.

**Condition 1-89: Content of confirmatory test plan  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1207(f)(2), Subpart EEE**

**Item 1-89.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-89.2:**

The provisions in §63.7(c)(2)(i)-(iii) and (v) regarding the content of test plans apply. In addition, the facility must also include the following information with the confirmatory test plan:

- 1) a description of the normal hydrocarbon or carbon monoxide operating levels, as specified in §63.1207(g)(2)(i), and an explanation of how these normal levels were determined
- 2) a description of the facility's normal applicable operating parameter levels, as specified



- in §63.1207(g)(2)(ii), and an explanation of how these normal levels were determined
- 3) a description of the facility's normal chlorine operating levels, as specified in §63.1207(g)(2)(iii), and an explanation of how these normal levels were determined
  - 4) a detailed description of sampling and monitoring procedures including sampling and monitoring locations in the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis
  - 5) a detailed test schedule for each hazardous waste for which the performance test is planned, including date(s), duration, quantity of hazardous waste to be burned, and other relevant factors
  - 6) a detailed test protocol, including, for each hazardous waste identified, the ranges of hazardous waste feedrate for each feed system, and, as appropriate, the feedrates of other fuels and feedstocks, and any other relevant parameters that may affect the ability of the hazardous waste combustor to meet the dioxin/furan emission standard
  - 7) a description of, and planned operating conditions for, any emission control equipment that will be used
  - 8) procedures for rapidly stopping the hazardous waste feed and controlling emissions in the event of an equipment malfunction
  - 9) such other information as the Administrator reasonably finds necessary to determine whether to approve the confirmatory test plan.

**Condition 1-90: Operating conditions during comprehensive performance test  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1207(g)(1), Subpart EEE**

**Item 1-90.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-90.2:**

The facility must comply with the provisions of §63.7(e). Conducting performance testing under operating conditions representative of the extreme range of normal conditions is consistent with the requirement of §63.7(e)(1) to conduct performance testing under representative operating conditions.

For the following parameters, the facility must operate the combustor during the performance test under normal conditions (or conditions that will result in higher than normal emissions):

- chlorine feedrate: the facility must feed normal or higher levels of chlorine during the dioxin/furan performance test;
- cleaning cycle of the particulate matter control device: the facility must conduct the following tests when the particulate matter control device undergoes its normal or more frequent cleaning cycle; the particulate matter, semivolatile metal, and low volatile metal performance tests; and the dioxin/furan and mercury performance tests if activated carbon injection or a carbon bed is used.

Given that the facility must establish limits for the applicable operating parameters specified in §63.1209 based on operations during the comprehensive performance test, the facility may conduct testing under two or more operating modes to provide operating flexibility.



Prior to obtaining performance test data, the facility must operate under performance test conditions until the facility reaches steady-state operations with respect to emissions of pollutants the facility must measure during the performance test and operating parameters under §63.1209 for which the facility must establish limits. During system conditioning, the facility must ensure that each operating parameter for which the facility must establish a limit is held at the level planned for the performance test. The facility must include documentation in the performance test plan under §63.1207(f) justifying the duration of system conditioning.

**Condition 1-91: Operating conditions during confirmatory performance testing**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(g)(2), Subpart EEE**

**Item 1-91.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-91.2:**

The facility must conduct confirmatory performance testing for dioxin/furan under normal operating conditions for the following parameters:

1) Carbon monoxide (or hydrocarbon) CEMS emissions levels must be within the range of the average value to the maximum value allowed. The average value is defined as the sum of the hourly rolling average values recorded (each minute) over the previous 12 months, divided by the number of rolling averages recorded during that time. The average value must not include calibration data, startup data, shutdown data, malfunction data, and data obtained when not burning hazardous waste.

2) Each operating limit (specified in §63.1209) established to maintain compliance with the dioxin/furan emission standard must be held within the range of the average value over the previous 12 months and the maximum or minimum, as appropriate, that is allowed. The average value is defined as the sum of the rolling average values recorded over the previous 12 months, divided by the number of rolling averages recorded during that time. The average value must not include calibration data, startup data, shutdown data, malfunction data, and data obtained when not burning hazardous waste.

3) The facility must feed chlorine at normal feedrates or greater.

**Condition 1-92: Operating conditions during subsequent testing**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(h)(1), Subpart EEE**

**Item 1-92.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-92.2:**

Current operating parameter limits established under §63.1209 are waived during subsequent comprehensive performance testing.

**Condition 1-93: Operating conditions during subsequent pretesting**  
**Effective for entire length of Permit**



**Applicable Federal Requirement:40CFR 63.1207(h)(2), Subpart EEE**

**Item 1-93.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-93.2:**

Current operating parameter limits are waived during pretesting prior to comprehensive performance testing for an aggregate time not to exceed 720 hours of operation (renewable at the discretion of the Administrator) under an approved test plan or if the source records the results of the pretesting. Pretesting means:

- 1) Operations when stack emissions testing for dioxin/furan, mercury, semivolatile metals, low volatile metals, particulate matter, or hydrochloric acid/chlorine gas is being performed; and
- 2) Operations to reach steady-state operating conditions prior to stack emissions testing under §63.1207(g)(1)(iii).

**Condition 1-94: Notification of compliance for comprehensive performance test**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(j)(1), Subpart EEE**

**Item 1-94.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-94.2:**

Except as provided in §63.1207(j)(4) and (5), within 90 days of completion of a comprehensive performance test, the facility must postmark a Notification of Compliance documenting compliance with the emission standards and continuous monitoring system requirements, and identifying operating parameter limits under §63.1209. Upon postmark of the Notification of Compliance, the facility must comply with all operating requirements specified in the Notification of Compliance in lieu of the limits specified in the Documentation of Compliance required under §63.1211(c).

**Condition 1-95: Notification of compliance for confirmatory performance testing**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(j)(2), Subpart EEE**

**Item 1-95.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-95.2:**

Except as provided in §63.1207(j)(4), within 90 days of completion of a confirmatory performance test, the facility must postmark a Notification of Compliance documenting compliance or noncompliance with the applicable dioxin/furan emission standard



**Condition 1-96: Notification of Compliance - incorporation by reference of other requirements**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(j)(3), Subpart EEE**

**Item 1-96.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-96.2:**

See §§63.7(g), 63.9(h), and 63.1210(b) for additional requirements pertaining to the Notification of Compliance (e.g., the facility must include results of performance tests in the Notification of Compliance).

**Condition 1-97: Failure of performance test - comprehensive test**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(l), Subpart EEE**

**Item 1-97.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-97.2:**

The provisions of this condition do not apply to the initial comprehensive performance test if the facility conducts it before September 30, 2003 or a later compliance date approved under §63.6(i).

If the facility determines (based on CEM recordings, results of analyses of stack samples, or results of CMS performance evaluations) that the facility has exceeded any emission standard during a comprehensive performance test for a mode of operation, the facility must cease hazardous waste burning immediately under that mode of operation. The facility must make this determination within 90 days following completion of the performance test.

If the facility has failed to demonstrate compliance with the emissions standards for any mode of operation:

- 1) Prior to submitting a revised Notification of Compliance, the facility may burn hazardous waste only for the purpose of pretesting or comprehensive performance testing under revised operating conditions, and only for a maximum of 720 hours (reviewable at the discretion of the Administrator), except as provided by §63.1207(l)(3).
- 2) The facility must conduct a performance test under revised operating conditions following the requirements for performance testing of this condition; and
- 3) The facility must submit to the Administrator a Notification of Compliance subsequent to the new comprehensive performance test.

**Condition 1-98: Failure of performance test - confirmatory test**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1207(l), Subpart EEE**



**Item 1-98.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-98.2:**

If the facility determines (based on CEM recordings, results of analyses of stack samples, or results of CMS performance evaluations) that the facility has failed the dioxin/furan emission standard during a confirmatory performance test, the facility must cease burning hazardous waste immediately. The facility must make this determination within 90 days following completion of the performance test. To burn hazardous waste in the future:

- 1) The facility must submit to the Administrator for review and approval a test plan to conduct a comprehensive performance test to identify revised limits on the applicable dioxin/furan operating parameters specified in §63.1209(k)
- 2) The facility must submit to the Administrator a Notification of Compliance with the dioxin/furan emission standard under the provisions of §63.1207(j), (k), and (l). The facility must include in the Notification of Compliance the revised limits on the applicable dioxin/furan operating parameters specified in §63.1209(k); and
- 3) Until the Notification of Compliance is submitted, the facility must not burn hazardous waste except for purposes of pretesting or confirmatory performance testing, and for a maximum of 720 hours (renewable at the discretion of the Administrator), except as provided by §63.1207(l)(3).

**Condition 1-99: Petition to burn hazardous waste after performance test failure**

**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1207(l), Subpart EEE**

**Item 1-99.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-99.2:**

The facility may petition the Administrator to obtain written approval to burn hazardous waste in the interim prior to submitting a Notification of Compliance for purposes other than testing or pretesting. The facility must specify operating requirements, including limits on operating parameters, that the facility determines will ensure compliance with the emission standards of Subpart EEE based on available information including data from the failed performance test. The Administrator will review, modify as necessary, and approve if warranted the interim operating requirements. An approval of interim operating requirements will include a schedule for submitting a Notification of Compliance.

**Condition 1-100: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(a)(1), Subpart EEE**

**Item 1-100.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG



Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must use either a carbon monoxide or hydrocarbon CEMS to demonstrate and monitor compliance with the carbon monoxide and hydrocarbon standard under Subpart EEE. The facility must also use an oxygen CEMS to continuously correct the carbon monoxide or hydrocarbon level to 7% oxygen.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-101: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(a)(2), Subpart EEE**

**Item 1-101.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

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

**Item 1-101.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must install, calibrate, maintain, and continuously operate the CEMS in compliance with the quality assurance procedures provided in the appendix to Subpart EEE and performance specification 4B (carbon monoxide and oxygen), and 8A (hydrocarbons) in appendix B, part 60 of Chapter 40.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



**Condition 1-102: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(a)(2), Subpart EEE**

**Item 1-102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

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

**Item 1-102.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must install, calibrate, maintain, and continuously operate the CEMS in compliance with the quality assurance procedures provided in the appendix to Subpart EEE and Performance Specification 4B (carbon monoxide and oxygen) in Appendix B, 40 CFR 60.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-103: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(a)(3), Subpart EEE**

**Item 1-103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-103.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If a carbon monoxide CEMS detects a response that results in a one-minute average at or above the 3000 ppmv span level required by Performance Specification 4B in appendix



B, part 60 of Chapter 40, the one-minute average must be recorded as 10,000 ppmv. The one-minute 10,000 ppmv value must be used for calculating the hourly rolling average carbon monoxide level.

Carbon monoxide CEMS that use a span value of 10,000 ppmv when one-minute carbon monoxide levels are equal to or exceed 3,000 ppmv are not subject to the above requirement. Carbon monoxide CEMS that use a span value of 10,000 are subject to the same CEMS performance and equipment specifications when operating in the range of 3,000 ppmv to 10,000 ppmv that are provided by Performance Specification 4B for other carbon monoxide CEMS, except:

- calibration drift must be less than 300 ppmv; and
- calibration error must be less than 500 ppmv

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-104: Calculation of rolling averages  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(a)(6), Subpart EEE**

**Item 1-104.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-104.2:**

- Initially, the carbon monoxide or hydrocarbon CEMS must begin recording one-minute average values by 12:01AM and hourly rolling average values by 1:01AM, when 60 one-minute values will be available for calculating the initial hourly rolling average for those sources that come into compliance on the regulatory compliance date. Sources that elect to come into compliance before the regulatory compliance date must begin recording one-minute and hourly rolling average values within 60 seconds and 60 minutes (when 60 one-minute values will be available for calculating the initial hourly rolling average), respectively, from the time at which compliance begins.

- Upon intermittent operations, the facility must ignore periods of time when one-minute values are not available for calculating the hourly rolling average. When one-minute values become available again, the first one-minute value is added to the previous 59 values to calculate the hourly rolling average.

- When the hazardous waste feed is cutoff, the facility must continue monitoring carbon monoxide and hydrocarbons when the hazardous waste feed is cutoff if the source is operating. The facility must not resume feeding hazardous waste if the emission levels exceed the standard. The facility is not subject to the CEMS requirements of Subpart EEE during periods of time



when the source is not burning hazardous waste.

**Condition 1-105: Operating parameter limits for hydrocarbons  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(a)(7), Subpart EEE**

**Item 1-105.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-105.2:**

If the facility elects to comply with the carbon monoxide and hydrocarbon emission standard by continuously monitoring carbon monoxide with a CEMS, the facility must demonstrate that hydrocarbon emissions during the comprehensive performance test does not exceed the hydrocarbon emissions standard. In addition, the limits that were established on the destruction and removal efficiency (DRE) operating parameters required under §63.1209(j) also ensure that the facility maintains compliance with the hydrocarbon emission standard. If the facility does not conduct the hydrocarbon demonstration and DRE tests concurrently, the facility must establish separate operating parameter limits under §63.1209(j) based on each test and the more restrictive of the operating parameter limits applies.

**Condition 1-106: Continuous monitoring systems for compliance with  
operating parameter limits  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(b)(1), Subpart EEE**

**Item 1-106.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-106.2:**

The facility must use continuous monitoring systems (CMS) such as thermocouples, pressure transducers, flow meters, etc. to document compliance with the applicable operating parameter limits under §63.1209.

**Condition 1-107: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(b)(2)(i), Subpart EEE**

**Item 1-107.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-107.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must install and operate continuous monitoring systems (CMS) other than CEMS in conformance with §63.8(c)(3) that requires the facility to, at a minimum, comply with the manufacturer's written specifications or recommendations for installation, operation, and calibration of the CMS.

The calibration of thermocouples must be verified at a frequency and in a manner consistent with manufacturer specifications, but no less frequent than once per year. The facility must operate and maintain optical pyrometers in accordance with manufacturer specifications unless otherwise approved by the Administrator. The facility must calibrate optical pyrometers in accordance with the frequency and procedures recommended by the manufacturer, but no less frequent than once per year, unless otherwise approved by the Administrator.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-108: Sampling intervals for continuous monitoring systems  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(b)(3), Subpart EEE**

**Item 1-108.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-108.2:**

Continuous monitoring systems (CMS) must sample the regulated parameter without interruption, and evaluate the detector response at least once each 15 seconds, and compute and record the average values at least every 60 seconds.

**Condition 1-109: Continuous Monitoring Systems span limit  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(b)(4), Subpart EEE**

**Item 1-109.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-109.2:**

The span of the non CEMS continuous monitoring system (CMS) detector must not be exceeded.



The facility must interlock the span limits into the automatic waste feed cutoff system required by §63.1206(c)(3).

**Condition 1-110: Calculation of rolling averages for continuous monitoring systems**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(b)(5), Subpart EEE**

**Item 1-110.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-110.2:**

Initially - continuous monitoring systems (CMS's) must begin recording one-minute average values by 12:01AM, hourly rolling average values by 1:01AM (e.g., when 60 one-minute values will be available for calculating the initial hourly rolling average), and twelve-hour rolling averages by 12:01PM (e.g., when 720 one-minute averages are available to calculate a 12-hour rolling average), for those sources that come into compliance on the regulatory compliance date. Sources that elect to come into compliance before the regulatory compliance date must begin recording one-minute, hourly rolling average, and 12-hour rolling average values within 60 seconds, 60 minutes (when 60 one-minute values will be available for calculating the initial hourly rolling average), and 720 minutes (when 720 one-minute values will be available for calculating the initial 12-hour hourly rolling average) respectively, from the time at which compliance begins.

Upon intermittent operations - The facility must ignore periods of time when one-minute values are not available for calculating rolling averages. When one-minute values become available again, the first one-minute value is added to the previous one-minute values to calculate rolling averages.

When hazardous waste feed is cutoff - The facility must continue monitoring operating parameter limits with a CMS when the hazardous waste feed is cutoff if the source is operating. The facility must not resume feeding hazardous waste if an operating parameter exceeds its limit. The facility is not subject to the CMS requirements of Subpart EEE during periods of time when the facility meets the requirements of §63.1206(b)(1)(ii) - compliance with emissions standards for nonhazardous waste burning sources when the facility is not burning hazardous waste.

**Condition 1-111: General feedstream analysis requirements**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(c)(1), Subpart EEE**

**Item 1-111.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-111.2:**

Prior to feeding the material, the facility must obtain an analysis of each feedstream that is sufficient to document compliance with the applicable feedrate limits provided by §63.1209.

**Condition 1-112: Compliance Certification**



**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(c)(2), Subpart EEE**

**Item 1-112.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: ONY100-00-0 HAP

**Item 1-112.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must develop and implement a feedstream analysis plan and record it in the operating record. The plan must specify at a minimum:

- 1) The parameters for which the facility will analyze each feedstream to ensure compliance with the operating parameter limits of §63.1209.
- 2) Whether the facility will obtain the analysis by performing sampling and analysis or by other methods, such as using analytical information obtained from others or using other published or documented data or information.
- 3) How the facility will use the analysis to document compliance with applicable feedrate limits (e.g., if the facility blends hazardous wastes and obtains analyses of the wastes prior to blending but not of the blended, as-fired, waste, the plan must describe how the facility will determine the pertinent parameters of the blended waste).
- 4) The test methods which the facility will use to obtain the analysis.
- 5) The sampling method which the facility will use to obtain a representative sample of each feedstream to be analyzed using sampling methods described in appendix IX, part 266 of Chapter 40, or an equivalent method.
- 6) The frequency with which the facility will review or repeat the initial analysis of the feedstream to ensure that the analysis is accurate and up to date.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-113: Compliance Certification**  
**Effective for entire length of Permit**



**Applicable Federal Requirement:40CFR 63.1209(c)(3), Subpart EEE**

**Item 1-113.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-113.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must submit the feedstream analysis plan to the Administrator for review and approval, if requested.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-114: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(c)(4), Subpart EEE**

**Item 1-114.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-114.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To comply with the applicable feedrate limits of §63.1209, the facility must monitor and record feedrates as follows:

- Determine and record the value of the parameter for each feedstream by sampling and analysis or other method;
- Determine and record the mass or volume flowrate of each feedstream by a CMS. If the facility determines flowrate of a feedstream by volume, the facility must determine and record the density of the feedstream by sampling and analysis (unless the facility reports the constituent concentration in units of weight per unit volume (e.g.,



mg/l)); and

- Calculate and record the mass feedrate of the parameter per unit time.

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-115: Waiver of monitoring of constituents in certain feedstreams**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(c)(5), Subpart EEE**

**Item 1-115.1:**

This Condition applies to Emission Unit: K-ILNSG

Process: KHF

**Item 1-115.2:**

The facility is not required to monitor levels of metals or chlorine in the following feedstreams to document compliance with the feedrate limits under §63.1209 provided that the facility documents in the comprehensive performance test plan the expected levels of the constituent in the feedstream and account for those assumed feedrate levels in documenting compliance with feedrate limits: natural gas, process air, and feedstreams from vapor recovery systems.

**Condition 1-116: Compliance Certification**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(d), Subpart EEE**

**Item 1-116.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-116.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The requirements of §63.8(d) (quality control program) and (e) (performance evaluation of continuous monitoring systems) apply, except that the facility must conduct performance evaluations of components of the CMS under the frequency and procedures (for example, submittal of performance evaluation test plan for review and approval) applicable to performance tests as provided by §63.1207.



The facility must comply with the quality assurance procedures for CEMS prescribed in the appendix to Subpart EEE.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-117: Conduct of monitoring**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(e), Subpart EEE**

**Item 1-117.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-117.2:**

The provisions of §63.8(b) apply.

**Condition 1-118: Operation and maintenance of continuous monitoring systems**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(f), Subpart EEE**

**Item 1-118.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-118.2:**

The provisions in §63.8(c) apply except:

- §63.8(c)(3) - The requirements of §63.1211(c), that requires continuous monitoring systems (CMS's) to be installed, calibrated, and operational on the compliance date, shall be complied with instead of §63.8(c)(3).
- §63.8(c)(4)(ii) - The performance specifications for carbon monoxide, hydrocarbon, and oxygen CEMS's in Subpart B, part 60 of Chapter 40 that requires detectors to measure the sample concentration at least once every 15 seconds for calculating an average emission rate once every 60 seconds shall be complied with instead of §63.8(c)(4)(ii)
- §63.8(c)(4)(i), (c)(5), and (c)(7)(i)(C) pertaining to COMS do not apply.

**Condition 1-119: Reduction of monitoring data**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(h), Subpart EEE**

**Item 1-119.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-119.2:**

The provisions of §63.8(g) apply.



**Condition 1-120: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(i), Subpart EEE**

**Item 1-120.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-120.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Paragraphs 1209(j) through 1209(p) require you to establish limits on operating parameters based on the CPT to ensure you maintain compliance with the emission standards of EEE. For several parameters, you must establish a limit for the parameter to ensure compliance with more than one emission standard. If the performance tests for such standards are not performed simultaneously, the most stringent limit for a parameter derived from independent performance tests apply.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-121: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(j)(1), Subpart EEE**

**Item 1-121.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-121.2:**

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

To remain in compliance with the destruction and removal efficiency (DRE) standard, the facility must establish operating limits during the comprehensive performance test (or during a previous DRE test under the provisions of §63.1206(b)(7)) for the minimum combustion chamber temperature, unless the limit is based on manufacturer specifications, and comply with this limit at all times that hazardous waste remains in the combustion chamber (i.e., the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system was activated).

The facility must measure the temperature of each combustion chamber at a location that best represents, as practicable, the bulk gas temperature in the combustion zone. The facility must document the temperature measurement location in the test plan submitted under §63.1207(e). The facility must establish a minimum hourly rolling average limit as the average of the test run averages.

Parameter Monitored: TEMPERATURE

Lower Permit Limit: 865 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-122: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(j)(4), Subpart EEE**

**Item 1-122.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-122.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



To remain in compliance with the destruction and removal efficiency (DRE) standard, the facility must establish operating limits during the comprehensive performance test (or during a previous DRE test under provisions of §63.1206(b)(7)) for the operation of the waste firing system, and comply with these limits at all times that hazardous waste remains in the combustion chamber (i.e., the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system as activated).

The facility must specify operating parameters and limits to ensure that good operation of each hazardous waste firing system is maintained.

The parameter listed below is LLGF atomization pressure.

Parameter Monitored: PRESSURE

Lower Permit Limit: 52 pounds per square inch gauge

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-123: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(k)(1), Subpart EEE**

**Item 1-123.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-123.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the dioxin/furan (D/F) emission standard by establishing and complying with the gas temperature at the inlet to a dry particulate matter control device. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer



specifications.

For hazardous waste burning lightweight aggregate kilns, the facility must establish a limit on the maximum temperature of the gas at the exit of the last combustion chamber (or exit of any waste heat recovery system) on an hourly rolling average. The limit must be established as the average of the test run averages.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 453 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-124: Wet scrubber limits**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(i)(2), Subpart EEE**

**Item 1-124.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-124.2:**

The facility must comply with the mercury emission standard by establishing and complying with the wet scrubber operating limit. The facility must base the limit on operations during the comprehensive performance test, unless the limit is based on manufacturer specifications.

If the combustor is equipped with a wet scrubber, the facility must establish operating parameter limits prescribed by §63.1209(o)(3), except for §63.1209(o)(3)(iv).

**Condition 1-125: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(m)(1)(i)('B'), Subpart**

**EEE**

**Item 1-125.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-125.2:**



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the particulate matter emission standard by establishing and complying with the operating parameter for wet scrubbers. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer specifications.

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venture, hydrosonic, collisions, or free jet wet scrubbers, and low energy wet scrubbers such as spray towers, packed beds, or tray towers, the facility must establish a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS in order to ensure that the solids content of the scrubber liquid does not exceed levels during the performance test.

The facility must establish a limit on an hourly rolling average as the average of the test run averages.

Parameter Monitored: VOLUME

Lower Permit Limit: 43.0 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-126: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(m)(1)(i)('B'), Subpart**

**EEE**

**Item 1-126.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-126.2:**

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

The facility must comply with the particulate matter emission standard by establishing and complying with the operating parameter for wet scrubbers. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer specifications.

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venture, hydrosonic, collisions, or free jet wet scrubbers, and low energy wet scrubbers such as spray towers, packed beds, or tray towers, the facility must establish a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS in order to ensure that the solids content of the scrubber liquid does not exceed levels during the performance test.

The facility must establish a limit on an hourly rolling average as the average of the test run averages.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 13.6 gallons per minute

Monitoring Frequency: HOURLY

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-127: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(n)(1), Subpart EEE**

**Item 1-127.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-127.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



The facility must comply with the semivolatile metal (cadmium and lead) and low volatile metal (arsenic, beryllium, and chromium) emission standards by establishing and complying with the following operating parameter limits. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer specifications.

The facility must establish a limit on the maximum inlet temperature to the primary dry metals emissions control device (e.g., electrostatic precipitator, baghouse) on an hourly rolling average basis as the average of the test run averages.

Parameter Monitored: TEMPERATURE

Upper Permit Limit: 399 degrees Fahrenheit

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-128: Feedrate extrapolation for max. feedrate of semivolatile and low volatile metals  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(n)(2)(ii), Subpart EEE**

**Item 1-128.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-128.2:**

The facility may request as part of the performance test plan under §63.7(b) and (c) and §63.1207(e) and (f) to use the semivolatile metal and low volatile metal feedrates and associated emission rates during the comprehensive performance test to extrapolate to higher allowable feedrate limits and emission rates.

**Condition 1-129: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(o)(3)(iv), Subpart EEE**

**Item 1-129.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP



**Item 1-129.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the hydrogen chloride and chlorine gas emission standard by establishing and complying with the following operating parameter limit. The facility must base the limit on operations during the comprehensive performance test, unless the limit is based on manufacturer's specifications.

If the combustor is equipped with a wet scrubber, the facility must establish a limit on minimum pH on an hourly rolling average as the average of the test run averages.

Parameter Monitored: ACIDITY/ALKALINITY

Lower Permit Limit: 8.0 pH (STANDARD) units

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-130: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(o)(3)(v), Subpart EEE**

**Item 1-130.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-130.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the hydrogen chloride and chlorine gas emission standard by establishing and complying with the following operating parameter limit. The facility must base this limit on operations during the comprehensive performance test, unless the limit is based on manufacturer's specifications.



If the combustor is equipped with a wet scrubber, the facility must establish limits on either the minimum liquid to gas ratio or the minimum scrubber water flowrate and maximum flue gas flowrate on an hourly rolling average as the average of the test run averages. If the facility establishes limits on maximum flue gas flowrate under this condition, the facility does not need to establish a limit on maximum flue gas flowrate under §63.1209(o)(2).

Parameter Monitored: LIQUID/GAS VOLUMETRIC FLOW RATE RATIO

Lower Permit Limit: 4.0 gallons per 1000 wet standard cubic foot

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-131: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(o)(4)(i), Subpart EEE**

**Item 1-131.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-131.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

If the hazardous waste combustor at the facility is equipped with a dry scrubber, then the facility must establish and comply with a limit on minimum sorbent feedrate on an hourly rolling average as the average of the test run averages during the performance test.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 270 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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

**Condition 1-132: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(o)(4)(ii), Subpart EEE**

**Item 1-132.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-132.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

If the hazardous waste combustor at the facility is equipped with a dry scrubber, the facility must establish and comply with a limit on the minimum carrier fluid (gas or liquid) flowrate that is established during the performance test.

Parameter Monitored: VOLUMETRIC FLOW RATE

Lower Permit Limit: 152 cubic feet per minute (standard conditions)

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-133: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(o)(4)(iii), Subpart EEE**

**Item 1-133.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-133.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the hazardous waste combustor is equipped with a dry scrubber, then the facility shall specify and use the brand (i.e., manufacturer) and type of sorbent used during the comprehensive performance test until a subsequent comprehensive performance test is conducted, unless the facility documents in the site-specific performance test plan required under §63.1207(e) and (f) key parameters that affect adsorption and establish limits on those parameters based on the sorbent used in the performance test.

The facility may substitute at any time a different brand or type of sorbent provided that the replacement has equivalent or improved properties compared to the sorbent used in the performance test and conforms to the key sorbent parameters identified above. The facility must record in the operating record documentation that the substitute sorbent will provide the same level of control as the original sorbent.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-134: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(p), Subpart EEE**

**Item 1-134.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-134.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

If the facility complies with the requirements for



combustion system leaks under §63.1206(c)(5) by maintaining the maximum combustion chamber zone pressure lower than ambient pressure to prevent combustion systems leaks from hazardous waste combustion, the facility must perform instantaneous monitoring of pressure and the automatic waste feed cutoff system must be engaged when negative pressure is not adequately maintained.

Parameter Monitored: PRESSURE  
Upper Permit Limit: 0 inches of water  
Monitoring Frequency: CONTINUOUS  
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.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-135: Initial notification that the permittee is subject to subpart EEE  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1210, Subpart EEE**

**Item 1-135.1:**

This Condition applies to Emission Unit: K-ILNSG  
Process: KHF

**Item 1-135.2:**

**The permittee shall notify the NYSDEC in writing by January 30, 2000 (or within 120 calendar days after the source becomes subject to the relevant standards of this subpart ), that the source at the permittee's facility is subject to the relevant standards of this subpart**

**Condition 1-136: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1210, Subpart EEE**

**Item 1-136.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

**Item 1-136.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Notification of Compliance status requirements of Sec. 63.9(h) apply , except that:  
(i) The notification is a Notification of Compliance (NOC), rather than compliance status;



- (ii) The notification is required for the initial comprehensive performance test and each subsequent comprehensive and confirmatory performance test; and
- (iii) You must postmark the notification before the close of business on the 90th day following completion of relevant compliance demonstration activity specified in this subpart rather than the 60th day as required by 63.9(h)(2)(ii).

Upon postmark and submission of the NOC, the operating parameter limits identified in the NOC, as applicable, shall be complied with. The limits identified in the Documentation of Compliance (DOC) or a previous NOC are no longer applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-137: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Item 1-137.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

**Item 1-137.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must submit to the NYSDEC by October 1, 2001, the compliance progress reports associated with the NIC, as per 63.1211(b) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-138: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Item 1-138.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG



Process: KHF

**Item 1-138.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must submit to the NYSDEC a written report within 5 (five) days of an emergency safety vent (ESV) opening that results in non compliance with the emission standards of this subpart, documenting the results of the investigation and corrective measures taken.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-139: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Item 1-139.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

**Item 1-139.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the affected source's ssm plan, the permittee must report the actions taken within 2 (two) working days followed by a letter within 7 (seven) working days of the non-compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-140: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Item 1-140.1:**

The Compliance Certification activity will be performed for:



Emission Unit: K-ILNSG

Process: KHF

**Item 1-140.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The startup, shutdown, and malfunction report must be submitted (delivered or postmarked by the 30th day following the end of each calendar half - a reporting period) by the permittee to NYSDEC, if the startup, shutdown, or malfunction occurred during the reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-141: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1211(b), Subpart EEE**

**Item 1-141.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-141.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must keep the following records in the operating record, as applicable:

- 1) information required to document and maintain compliance with the regulations of Subpart EEE, including data recorded by continuous monitoring systems (CMS), and copies of all notifications, reports, plans, and other documents submitted to NYSDEC
- 2) documentation of mode of operation changes for cement kilns with in-line raw mills
- 3) documentation of compliance with the emission averaging requirements for cement kilns with in-line raw mills
- 4) documentation of compliance with the emission averaging requirements for preheater or preheater/precalciner kilns with dual stacks



- 5) if the facility elects to comply with all applicable requirements and standards promulgated under authority of the Clean Air Act, including Sections 112 and 129, in lieu of the requirements of Subpart EEE when not burning hazardous waste, the facility must document in the operating record that the facility was in compliance with those requirements, as required in §63.1206(b)(1)(ii)
- 6) documentation that a change will not adversely affect compliance with the emission standards or operating requirements, as required in §63.1206(b)(5)(ii)
- 7) calculation of residence time as required in §63.1206(b)(11)
- 8) the startup, shutdown, malfunction plan as required in §63.1206(c)(2)
- 9) documentation of the investigation and evaluation of excessive exceedances during malfunctions as required in §63.1206(c)(2)(v)(A)
- 10) corrective measures for any automatic waste feed cutoff that results in an exceedance of an emission standard or operating parameter limit, as required in §63.1206(c)(3)(v)
- 11) documentation and results of the automatic waste feed cutoff operability testing, as required in §63.1206(c)(3)(vii)
- 12) emergency safety vent operating plan as required in §63.1206(c)(4)(ii)
- 13) corrective measures for any emergency safety vent opening as required in §63.1206(c)(4)(iii)
- 14) method used for control of combustion system leaks, as required in §63.1206(c)(5)(ii)
- 15) operator training and certification program, as required in §63.1206(c)(6)
- 16) operation and maintenance plan as required in §63.1206(c)(7)(i)(D)
- 17) feedstream analysis plan as required in §63.1209(c)(2)
- 18) documentation that a substitute activated carbon, dioxin/furan formation reaction inhibitor, or dry scrubber sorbent will provide the same level of control as the original material, as required in §63.1209(k)(6)(iii), 63.1209(k)(7)(ii), 63.1209(k)(9)(ii), and 63.1209(o)(4)(iii).
- 19) results of carbon bed performance monitoring, as required in §63.1209(k)(7)(i)(C)
- 20) documentation of changes in modes of operation, as required in §63.1209(q)
- 21) documentation of compliance as required in §63.1211(c)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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

**Condition 1-142: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(m)(1)(i)('A'), Subpart**  
**EEE**

**Item 1-142.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Emission Source: K1CT3

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-142.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the particulate matter emission standard by establishing and complying with the operating parameter limit for high energy wet scrubbers. The facility must base the limit on operations during the comprehensive performance test, unless the limit is based on manufacturer specifications.

For sources equipped with high energy wet scrubbers, the facility must establish a limit for the minimum pressure drop across the wet scrubber on an hourly rolling average, established as the average of the test run averages.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 2.9 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-143: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(m)(1)(i)('A'), Subpart**  
**EEE**

**Item 1-143.1:**

The Compliance Certification activity will be performed for:



Emission Unit: K-ILNSG

Process: KHF

Emission Source: K2CT3

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-143.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the particulate matter emission standard by establishing and complying with the operating parameter limit for high energy wet scrubbers. The facility must base the limit on operations during the comprehensive performance test, unless the limit is based on manufacturer specifications.

For sources equipped with high energy wet scrubbers, the facility must establish a limit for the minimum pressure drop across the wet scrubber on an hourly rolling average, established as the average of the test run averages.

Parameter Monitored: PRESSURE CHANGE

Lower Permit Limit: 2.9 inches of water

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 61: Compliance Certification**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 61.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Process: KNF

Regulated Contaminant(s):

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

**Item 61.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:



This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour.

Upper Permit Limit: 61 pounds per hour  
Reference Test Method: 40 CFR 60  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 62: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 62.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

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

**Item 62.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point shall not discharge particulate matter in excess of 0.08 grains per dry standard cubic foot, corrected to 7% oxygen in the stack gas in accordance with the formula specified in 6NYCRR Part 374-1.8(f)

Upper Permit Limit: 0.08 grains per dry standard cubic foot (corrected to 7% O<sub>2</sub>)  
Reference Test Method: 40 CFR Part 60  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: 3-HOUR BLOCK AVERAGE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 63: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**



**Expired by Mod 1**

**Item 63.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

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

**Item 63.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO2 stack emissions from kiln # 1 shall not exceed 30 pounds per hour. The facility shall install a Continuous Emissions Monitor for Sulfur Dioxide emissions within 180 days of the issue date of this permit.

Once the continuous emissions monitor is installed and certified, the kiln fuel must be switched from its current fuel supply to an alternate fuel supply which has low sulfur content. If no such fuel is available, the kiln must switch to natural gas until the sulfur dioxide emission drops below 30 pounds per hour and a suitable fuel with a lower sulfur dioxide content can be readied.

Manufacturer Name/Model Number: na

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 30 pounds per hour

Reference Test Method: 40CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 64: Compliance Certification**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 64.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

Regulated Contaminant(s):  
CAS No: 007647-01-0              HYDROGEN CHLORIDE



**Item 64.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The total chlorine fed to the kiln (including the contribution from the shale) shall not exceed 73 pounds per hour.

Manufacturer Name/Model Number: NA

Parameter Monitored: CHLORINE

Upper Permit Limit: 73 pounds per hour

Reference Test Method: METHOD 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 65: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 65.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007647-01-0

HYDROGEN CHLORIDE

**Item 65.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point shall control emissions that contain Hydrogen Chloride in accordance with Table 212.9(b) (75%).

This limit shall be met by limiting and monitoring the total feed of chlorine to the kiln(including the contribution from shale) and the DRE in the most recent stack test to confirm compliance, once during the permit and at the discretion of the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION



Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 66: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 66.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

Regulated Contaminant(s):  
CAS No: 007782-50-5                      CHLORINE

**Item 66.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point shall control emissions that contain

Chlorine in accordance with Table 212.9(b) (75%). This limit shall

be met by limiting and monitoring the total feed of

chlorine to the

kiln(including the contribution from shale) and the DRE in

the most

recent stack test to confirm compliance, once during the

permit and

at the discretion of the Department.

Monitoring Frequency: MONTHLY

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 1-144: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 212.3(b)**

**Item 1-144.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001



Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 1-144.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

SO2 stack emissions from kiln # 1 shall not exceed 30 pounds per hour, consistent with the standards and procedures specified in Module VII, Section B(6) of the facility's Part 373 hazardous waste permit.

Manufacturer Name/Model Number: na

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 30 pounds per hour

Reference Test Method: 40CFR 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 1 calendar month(s).

**Condition 67: Compliance Certification**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 67.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

**Item 67.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No waste or combination of waste and fuel, as fed to the kilns, shall exceed the design thermal capacity of 62 MBTU/ hr.

Manufacturer Name/Model Number: NA

Reference Test Method: ASTM

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 7/30/2002.  
Subsequent reports are due every 1 calendar month(s).

**Condition 68: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 68.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

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

**Item 68.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The fugitive emissions from the combustion zone and the back end of this kiln shall be controlled by continuously maintaining a negative kiln pressure less than - 0.05 inches and maintaining a baghouse pressure drop below 10.0 inches.

Parameter Monitored: PRESSURE  
Upper Permit Limit: 10.0 inches of mercury  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 3-MINUTE AVERAGE  
Reporting Requirements: MONTHLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 1 calendar month(s).

**Condition 69: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 69.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

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

**Item 69.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour.

Upper Permit Limit: 61 pounds per hour

Reference Test Method: 40 CFR 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 70: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 70.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

Regulated Contaminant(s):

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

**Item 70.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour.

Upper Permit Limit: 61 pounds per hour

Reference Test Method: 40 CFR 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 1-145: Compliance Certification**  
**Effective for entire length of Permit**



**Applicable Federal Requirement:6NYCRR 212.10(c)**

**Item 1-145.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

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

**Item 1-145.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour, consistent with the standards and procedures specified in Module VII, Section B(7) of the facility's Part 373 hazardous waste permit.

Upper Permit Limit: 61 pounds per hour

Reference Test Method: 40 CFR 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 71:      Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(1), Subpart EEE**

**Expired by Mod 1**

**Item 71.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

Regulated Contaminant(s):  
CAS No: 001746-01-6      2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

**Item 71.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS LIMITS FOR DIOXINS AND FURANS: KILN  
1  
Emission point 00001 shall not discharge or cause



combustion gases to be emitted into the atmosphere that contain dioxin and furan D/F emissions in excess of 0.20 ng TEQ/dscm corrected to 7 percent oxygen. The combustion gas temperature at the exit of the last combustion chamber (or exit of any waste heat recovery system) shall be rapidly quenched to 400 degrees Fahrenheit or lower. Compliance is based on the average of the test run average temperatures. Compliance testing shall meet the requirements and schedules of 40 CFR Part 63.1205, 1207, 1208 and 1209.

Upper Permit Limit: 0.20 nanogram toxicity equivalence per dry standard cu meter, corrected to 7% O<sub>2</sub>

Reference Test Method: EPA Method 0023A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 72: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(2), Subpart EEE**

**Expired by Mod 1**

**Item 72.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

Regulated Contaminant(s):  
CAS No: 007439-97-6                      MERCURY

**Item 72.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:  
EMISSION LIMITS FOR MERCURY: KILN 1

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Mercury in excess of 47 micrograms per dry standard cubic meter corrected to 7 percent oxygen. Compliance testing shall meet the requirements and schedules of 40 CFR Part 63.1205, 1207, 1208 and 1209.

Upper Permit Limit: 47 micrograms per dry standard cubic meter (corrected to 7% oxygen)



Reference Test Method: method 29

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 73: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(3), Subpart EEE**

**Expired by Mod 1**

**Item 73.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007439-92-1              LEAD

**Item 73.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMITS FOR LEAD AND CADMIUM: Kiln 1

CAS No: 007439-92-1              LEAD

CAS No: 007440-43-9              CADMIUM

This emission point shall not discharge or cause  
combustion  
gases to be emitted into the atmosphere that contain Lead

and Cadmium in excess of 250 micrograms per dry standard

cubic meter, combined emissions, corrected to 7 percent  
oxygen.

Compliance testing shall meet the requirements and  
schedules of 40

CFR Part 63.1205, 1207, 1208 and 1209.

Upper Permit Limit: 250 micrograms per dry standard  
cubic meter (corrected to 7% oxygen)

Reference Test Method: method 29

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED



Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 74: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1205(a)(4), Subpart EEE**

**Expired by Mod 1**

**Item 74.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007440-38-2 ARSENIC

**Item 74.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

ARSENIC CAS No. 007440-38-2

BERYLLIUM CAS No. 07440-41-7

CHROMIUM CAS No. 07440-47-3

EMISSION LIMITS FOR ARSENIC, BERYLLIUM,  
AND CHROMIUM: KILN 1

This emission point shall not discharge or cause

combustion gases to be emitted into the atmosphere  
that contain arsenic, beryllium, and chromium in  
excess of 110 micrograms per dry standard cubic  
meter, combined emissions, corrected to 7 percent

oxygen. Compliance Testing shall meet the  
requirements and scheduling of 40CFR Part 1205,  
1207, 1208 and 1209.

Upper Permit Limit: 110 micrograms per dry standard  
cubic meter (corrected to 7% oxygen)

Reference Test Method: Method 29

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 75: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(5)(i), Subpart EEE**

**Expired by Mod 1**

**Item 75.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

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

**Item 75.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSION LIMIT FOR CARBON MONOXIDE: KILN 1

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Carbon Monoxide in excess of 100 ppm by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen

Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Manufacturer Name/Model Number: na

Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: 40CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 76: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(5)(ii), Subpart EEE**



**Expired by Mod 1**

**Item 76.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

Regulated Contaminant(s):  
CAS No: 068527-16-2              HYDROCARBONS C1-3

**Item 76.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSION LIMIT FOR HYDROCARBONS: KILN 1

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrocarbons in excess of 20 ppm by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane, at any time during the destruction and removal efficiency (DRE) test runs or their equivalent as provided by 40 CFR Part 63.1206(b)(7).. The CO emission level shall be less than 100ppm during testing.

Manufacturer Name/Model Number: na

Upper Permit Limit: 20 parts per million by volume (dry,  
corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 77: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(6), Subpart EEE**

**Expired by Mod 1**

**Item 77.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001

Regulated Contaminant(s):



CAS No: 007647-01-0      HYDROGEN CHLORIDE

**Item 77.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMIT FOR HCL and CL2: KILN 1

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrochloric Acid and Chlorine Gas in excess of 230 ppm by volume, combined emissions, expressed as hydrochloric acid equivalents, dry basis, corrected to 7 percent oxygen.

Upper Permit Limit: 230 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 78: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1205(a)(7), Subpart EEE**

**Expired by Mod 1**

**Item 78.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG      Emission Point: 00001

Regulated Contaminant(s):

CAS No: 0NY075-00-0      PARTICULATES

**Item 78.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMITS FOR PARTICULATES: KILN 1

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contains particulate matter in excess of 57 mg per dry standard cubic meter, corrected to 7 percent oxygen.



Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Upper Permit Limit: 57 milligrams per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: Method 5 or 51

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 79: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(c)(1), Subpart EEE**

**Expired by Mod 1**

**Item 79.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

**Item 79.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

99.99% DRE Standard: KILN 1

The stack emission testing must be performed to determine compliance with the Destruction and Removal Efficiency (DRE) standard. The DRE for each Principal Organic Hazardous Constituent (POHC) should not be less than 99.99%. The DRE must be calculated as defined in 40CFR 63.1203(c) and 40 CFR63.1205(c).

Parameter Monitored: DESTRUCTION EFFICIENCY

Lower Permit Limit: 99.99 percent

Reference Test Method: 40CFR Part 63 EEE

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 80: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**



**Applicable Federal Requirement:40CFR 63.1205(c)(2), Subpart EEE**

**Expired by Mod 1**

**Item 80.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

**Item 80.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

RESTRICTION ON TYPES OF HAZARDOUS WASTE  
BURNED: KILN 1

This facility may not burn dioxin-listed  
designated hazardous wastes: FO20, FO21,  
FO22, FO23, FO26 or FO27.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 81: Types of performance tests - (1) Comprehensive performance  
test (cpt)**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1207, Subpart EEE**

**Expired by Mod 1**

**Item 81.1:**

This Condition applies to Emission Unit: K-ILNSG Emission Point: 00001

**Item 81.2:**

**The permittee must conduct comprehensive performance tests (cpt) to demonstrate compliance with the emission standards in this subpart , establish operating limits for operating parameters, and demonstrate compliance with the performance specifications for continuous monitoring systems (CMS).**

**Item 81.3:**

**The permittee must conduct initial comprehensive performance tests (cpt) by March 30, 2003.**

**Item 81 .4:**

**The subsequent cpt must commence no later than 61 (Sixty-one) months after the date of commencing the previous cpt.**



**Item 81 .5:**

The cpt must be completed within the 60 (Sixty) days after the date of commencement.

**Item 81.6:**

The permittee must submit to the NYSDEC a notification of intention to conduct a cpt, CMS performance evaluation, a site specific test plan, and CMS performance evaluation plan at least one year before the cpt and CMS performance evaluations are scheduled to begin.

**Item 81.7:**

The NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 9 (Nine) months after receipt of the original plan.

**Item 81.8:**

The permittee must submit to the NYSDEC a notification of intention to conduct the cpt at least 60 (Sixty) calendar days before the test is scheduled to begin.

**Condition 82:** Types of performance tests - (2) Confirmatory performance test (ct)  
Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1207, Subpart EEE

Expired by Mod 1

**Item 82.1:**

This Condition applies to Emission Unit: K-ILNSG Emission Point: 00001

**Item 82.2:**

The permittee must conduct confirmatory performance tests (ct) to demonstrate compliance with the dioxin/furan emission standards in this subpart, under normal conditions.

**Item 82 .3:**

The subsequent ct must commence no earlier than 18 months and no later than 31 (Thirty-one) months after the date of commencing the previous cpt.

**Item 82 .4:**

The ct must be completed within the 60 (Sixty) days after the date of commencement.

**Item 82 .5:**

The permittee must submit to the NYSDEC a notification of intention to conduct the ct at least 60 (Sixty) calendar days before the test is scheduled to begin.

**Item 82 .6:**

The NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 30 (Thirty) calendar days after receipt of the original plans.



**Condition 83: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1207, Subpart EEE**

**Expired by Mod 1**

**Item 83.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

**Item 83.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Types of performance tests -

(1) Comprehensive performance test (cpt)

Effective for entire length of Permit

Applicable Federal Requirement:

40CFR 63.1207, Subpart EEE

Item 72.1:

This Condition applies to

Emission Unit: K-ILNSG

Emission Point: 00001

Item 72.2:

As required by 40CFR 63.1207(b)(1), the permittee must conduct comprehensive performance tests (cpt) to demonstrate compliance with the emission standards in 40 CFR 63.1205, establish operating limits for operating parameters, and demonstrate compliance with the performance specifications for continuous monitoring systems (CMS).

Item 72.3:

As required by 40CFR 63.1207(c)(1), the permittee must conduct initial comprehensive performance tests (cpt) by March 30, 2003.

Item 72.4:

As required by 40CFR 63.1207(d)(1), the subsequent cpt must commence no later than 61 (Sixty-one) months after the date of commencing the previous cpt.

Item 72.5:



As required by 40CFR 63.1207(d)(3), the cpt must be completed within the 60 (Sixty) days after the date of commencement unless DEC determines that a time extension is warranted based on documentation in writing of factors beyond permittee's control that prevent permittee from meeting the 60 day deadline.

Item 72.6:

As required by 40CFR 63.1207(e)(1)(i), the permittee must submit to the NYSDEC a notification of intention to conduct a cpt, CMS performance evaluation, a site specific test plan, and CMS performance evaluation plan at least one year before the cpt and CMS performance evaluations are scheduled to begin.

Item 72.7:

As required by 40CFR 63.1207(e)(1)(i)(A), the NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 9 (Nine) months after receipt of the original plan.

Item 72.8:

As required by 40CFR 63.1207(e)(1)(i)(B), the permittee must submit to the NYSDEC a notification of intention to conduct the cpt at least 60 (Sixty) calendar days before the test is scheduled to begin.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 84: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1207, Subpart EEE**

**Expired by Mod 1**

**Item 84.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

**Item 84.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Types of performance tests - (2) Confirmatory performance test (ct)

Effective for entire length of Permit



Applicable Federal Requirement: 40CFR 63.1207, Subpart  
EEE

Item 1:

This Condition applies to Emission Unit: K-ILNSG Emission  
Point: 00002

Item 2:

As required by 40 CFR 63.1207(b)(2), the permittee must  
conduct confirmatory performance tests (ct) to demonstrate  
compliance with the dioxin/furan emission standards in  
this subpart, under normal conditions.

Item 3:

As required by 40 CFR 63.1207(b)(d)(2), the subsequent ct  
must commence no earlier than 18 months and no later than  
31 (Thirty-one) months after the date of commencing the  
previous cpt.

Item 4:

As required by 40 CFR 63.1207(d)(3), the ct must be  
completed within the 60 (Sixty) days after the date of  
commencement, unless DEC determines that a time extension  
is warranted based on documentation  
in writing of factors beyond permittee's control that  
prevent permittee from meeting the 60 day deadline.

Item 5:

As required by 40 CFR 63.1207(e)(ii), he permittee must  
submit to the NYSDEC a notification of intention to  
conduct the CT Test and a CMS performance evaluation and  
test plan and CMS performance evaluation plan at least 60  
(Sixty) calendar days before the test is scheduled to  
begin.

Item 6:

As required by 40 CFR 63.1207(d)(3), he NYSDEC will notify  
the permittee of approval or intent to deny approval of  
the test plan and CMS performance evaluation plan within  
30 (Thirty) calendar days after receipt of the original

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 85: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**



**Expired by Mod 1**

**Item 85.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

**Item 85.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must submit to the NYSDEC by October 1, 2001, the compliance progress reports associated with the NIC, as per 63.1211(b) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 86: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 86.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

**Item 86.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must develop and submit to the NYSDEC a Documentation of Compliance (DOC) by September 30, 2002, as per 63.1211(d) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-146: Compliance Certification**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(j)(2), Subpart EEE**

**Item 1-146.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

Process: KHF



Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-146.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To remain in compliance with the destruction and removal efficiency (DRE) standard, the facility must establish operating limits during the comprehensive performance test (or during a previous DRE test under provisions of §63.1206(b)(7)) for the maximum flue gas flowrate or production rate, unless the limits are based on manufacturer's specifications, and comply with the limit at all times that hazardous waste remains in the combustion chamber (i.e., the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system was activated).

As an indicator of gas residence time in the control device, the facility must establish and comply with a limit on the maximum flue gas flowrate, the maximum production rate, or another parameter that the facility documents in the site-specific test plan as an appropriate surrogate for has residence time, as the average of the maximum hourly rolling averages for each run.

Parameter Monitored: VOLUMETRIC FLOW RATE

Upper Permit Limit: 22.0 tons per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-147: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(j)(3), Subpart EEE**

**Item 1-147.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP



**Item 1-147.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To remain in compliance with the destruction and removal efficiency (DRE) standard, the facility must establish operating limits during the comprehensive performance test (or during a previous DRE test under provisions of §63.1206(b)(7)) for the maximum hazardous waste feedrate, unless the limit is based on manufacturer specifications, and comply with this limit at all times that hazardous waste remains in the combustion chamber (i.e., the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system was activated).

The facility must establish limits on the maximum pumpable and total (i.e., pumpable and non-pumpable) hazardous waste feedrate for each location where hazardous waste is fed.

The facility must establish the limits as the average of the maximum hourly rolling averages for each run.

The facility must comply with the feedrate limit(s) on a hourly rolling average basis.

Parameter Monitored: VOLUMETRIC FLOW RATE

Upper Permit Limit: 10.3 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-148: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(i)(1), Subpart EEE**

**Item 1-148.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0      HAP

**Item 1-148.2:**



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the mercury emission standard by establishing and complying with the operating limit for the feedrate of total mercury. The facility must base the limit on operating during the comprehensive performance test, unless the limit is based on manufacturer specifications.

The facility must establish a 12-hour rolling average limit for the total feedrate of mercury in all feedstreams as the average of the test run averages, unless mercury feedrate limits are extrapolated from performance test feedrate levels under the following provisions:

- The facility may request as part of the performance test plan under §63.7(b) and (c) and §63.1207(e) and (f) to use the mercury feedrates and associated emission rates during the comprehensive performance test to extrapolate to higher allowable feedrate limits and emission rates.
- The extrapolation methodology will be reviewed and approved, as warranted, by the Administrator. The review will consider in particular whether: 1) performance test metal feedrates are appropriate (i.e., whether feedrates are at least at normal levels; depending on the heterogeneity of the waste, whether some level of spiking would be appropriate; and whether the physical form and species of spiked material is appropriate); and 2) whether the extrapolated feedrates requested are warranted considering historical metal feedrate data.
- The Administrator will review the performance test results in making a finding of compliance required by §63.6(f)(3) and §63.1206(b)(3) to ensure that the facility has interpreted emission test results properly and that the extrapolation procedure is appropriate for the source.

Parameter Monitored: INLET LOADING

Upper Permit Limit: .005 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED  
EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-149: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(n)(2)(i), Subpart EEE**



**Item 1-149.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0      HAP

**Item 1-149.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the semivolatile metals (cadmium and lead) emission standards by establishing and complying with the following operating parameter limits. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer specifications.

The facility must establish a 12-hour rolling average limit for the feedrate of cadmium and lead, combined, in all feedstreams as the average of the test run averages, except as provided in §63.1209(n)(2)(ii).

Parameter Monitored: INLET LOADING  
Upper Permit Limit: 5.89 pounds per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED  
EVERY MINUTE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-150: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(n)(2)(i), Subpart EEE**

**Item 1-150.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0      HAP

**Item 1-150.2:**

Compliance Certification shall include the following monitoring:



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

Monitoring Description:

The facility must comply with the low volatility metals (arsenic, beryllium, and chromium) emission standards by establishing and complying with the following operating parameter limits. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer specifications.

The facility must establish a 12-hour rolling average limit for the feedrate of arsenic, beryllium, and chromium, combined, in all feedstreams as the average of the test run averages, except as provided in §63.1209(n)(2)(ii).

Parameter Monitored: INLET LOADING

Upper Permit Limit: 5.44 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED  
EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-151: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(n)(2)(i), Subpart EEE**

**Item 1-151.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0      HAP

**Item 1-151.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the semivolatile metals (cadmium and lead) and low volatility metals (arsenic, beryllium, and chromium) emission standards by establishing and complying with the following operating parameter limits. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer



specifications.

The facility must establish feedrate limits for semivolatile and low volatile metals as follows, except as provided in §63.1209(n)(2)(ii):

- the facility must establish a 12-hour rolling average limit for the feedrate of arsenic, beryllium, and chromium, combined, in all pumpable feedstreams as the average of the test run averages. Dual feedrate limits for both pumpable and total feedstreams are not required, however, if the facility bases the total feedrate limit solely on the feedrate of pumpable feedstreams.

Parameter Monitored: INLET LOADING  
Upper Permit Limit: 4.71 pounds per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-152: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(n)(4), Subpart EEE**

**Item 1-152.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00001  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0      HAP

**Item 1-152.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must establish a 12-hour rolling average limit for the feedrate of total chlorine and chloride in all feedstreams as the average of the test run averages.

Parameter Monitored: INLET LOADING  
Upper Permit Limit: 51.6 pounds per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.



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

**Condition 87: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 87.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 007647-01-0              HYDROGEN CHLORIDE

**Item 87.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The total chlorine fed to the kiln (including the contribution from the shale) shall not exceed 73 pounds per hour.

Manufacturer Name/Model Number: NA

Parameter Monitored: CHLORINE

Upper Permit Limit: 73 pounds per hour

Reference Test Method: METHOD 26A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 88: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 88.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 007647-01-0              HYDROGEN CHLORIDE



**Item 88.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point shall not discharge emissions that contain Hydrogen Chloride in excess of 2.9 pounds per hour (uncorrected for ammonium chloride) This limit shall be met by limiting the total feed of chlorine to the kiln.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 89: Compliance Certification**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 89.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 89.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point shall not discharge particulate matter in excess of 0.08 grains per dry standard cubic foot, corrected to 7% oxygen in the stack gas in accordance with the formula specified in 6NYCRR Part 374-1.8(f)

Upper Permit Limit: 0.08 grains per dry standard cubic foot (corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 90: Compliance Certification**



**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 90.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 007647-01-0                      HYDROGEN CHLORIDE

**Item 90.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point shall control emissions that contain Hydrogen Chloride in accordance with Table 212.9(b) (75%). This limit shall be met by limiting and monitoring the total feed of chlorine to the kiln(including the contribution from shale) and the DRE in the most recent stack test to confirm compliance, once during the permit and at the discretion of the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 91: Compliance Certification**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 91.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

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

**Item 91.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

SO<sub>2</sub> stack emissions from kiln # 2 shall not exceed 30 pounds per hour. The facility shall install a Continuous Emissions Monitor for Sulfur Dioxide emissions within 180 days of the issue date of this permit.

Once the continuous emissions monitor is installed and certified, the kiln fuel must be switched from its' current fuel supply to an alternate fuel supply which has low sulfur content. If no such fuel is available, the kiln must switch to natural gas until the sulfur dioxide emission drops below 30 pounds per hour and a suitable fuel with a lower sulfur dioxide content can be readied.

Manufacturer Name/Model Number: na

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 30 pounds per hour

Reference Test Method: 40CFR 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 92: Compliance Certification**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 92.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

Regulated Contaminant(s):

CAS No: 007782-50-5

CHLORINE

**Item 92.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point shall control emissions that contain

Chlorine in accordance with Table 212.9(b) (75%). This limit shall

be met by limiting and monitoring the total feed of



chlorine to the  
kiln(including the contribution from shale) and the DRE in  
the most  
recent stack test to confirm compliance, once during the  
permit and  
at the discretion of the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 1-153: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 212.3(b)**

**Item 1-153.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

**Item 1-153.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

SO2 stack emissions from kiln # 2 shall not exceed 30  
pounds per hour, consistent with the standards and  
procedures specified in Module VII, Section B(6) of the  
facility's Part 373 hazardous waste permit.

Manufacturer Name/Model Number: na

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 30 pounds per hour

Reference Test Method: 40CFR 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 1 calendar month(s).

**Condition 93: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**



**Expired by Mod 1**

**Item 93.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

**Item 93.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No waste or combination of waste and fuel, as fed to the kilns, shall exceed the design thermal capacity of 62 MBTU/ hr.

Manufacturer Name/Model Number: NA

Reference Test Method: 40CFR60

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 94: Compliance Certification**

**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 94.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

**Item 94.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No waste or combination of waste and fuel, as fed to the kilns, shall exceed the design thermal capacity of 62 MBTU/ hr.

Reference Test Method: ASTM

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 7/30/2002.  
Subsequent reports are due every 1 calendar month(s).

**Condition 95: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 95.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

**Item 95.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility shall control the emissions of toxic metals from this emission point by limiting the total feed rate of each metal into the kiln.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 96: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 96.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):

CAS No: 007782-50-5                      CHLORINE

**Item 96.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point shall not discharge emissions that contain Chlorine in excess of 0.044 pounds per hour (uncorrected for ammonium chloride) This limit shall be met by limiting the total feed of chlorine to the kiln.



Manufacturer Name/Model Number: NA  
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL  
CHANGE  
Reporting Requirements: MONTHLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 1 calendar month(s).

**Condition 97: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 97.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

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

**Item 97.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour.

Upper Permit Limit: 61 pounds per hour

Reference Test Method: 40 CFR 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 1-154: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 212.10(c)**

**Item 1-154.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):



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

**Item 1-154.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour, consistent with the standards and procedures specified in Module VII, Section B(7) of the facility's Part 373 hazardous waste permit.

Upper Permit Limit: 61 pounds per hour

Reference Test Method: 40 CFR 60

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 98: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(1), Subpart EEE**

**Expired by Mod 1**

**Item 98.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

Regulated Contaminant(s):

CAS No: 001746-01-6

2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

**Item 98.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSIONS LIMITS FOR DIOXINS AND FURANS: KILN 2

Emission point 00002 shall not discharge or cause combustion gases to be emitted into the atmosphere that contain dioxin and furan D/F emissions in excess of 0.20 ng TEQ/dscm corrected to 7 percent oxygen. The combustion gas temperature at the exit of the last combustion chamber (or exit of any waste heat recovery system) shall be rapidly quenched to 400 degrees Fahrenheit or lower. Compliance is based on the average of the test run average temperatures. Compliance testing shall meet the requirements and schedules of 40 CFR Part 63.1205, 1207,



1208 and 1209.

Upper Permit Limit: 0.20 nanogram toxicity equivalence  
per dry standard cu meter, corrected  
to 7% O<sub>2</sub>

Reference Test Method: EPA Method 0023A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 99: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1205(a)(2), Subpart EEE**

**Expired by Mod 1**

**Item 99.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 007439-97-6              MERCURY

**Item 99.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMITS FOR MERCURY: KILN 2

This emission point shall not discharge or cause  
combustion gases to be emitted into the atmosphere that  
contain Mercury in excess of 47 micrograms per dry  
standard cubic meter corrected to 7 percent oxygen.  
Compliance testing shall meet the requirements and  
schedules of 40 CFR Part 63.1205, 1207, 1208 and 1209.

Upper Permit Limit: 47 micrograms per dry standard cubic  
meter (corrected to 7% oxygen)

Reference Test Method: method 29

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 100: Compliance Certification**



**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(3), Subpart EEE**

**Expired by Mod 1**

**Item 100.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 007439-92-1      LEAD

**Item 100.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMITS FOR LEAD AND CADMIUM: Kiln 2

CAS No: 007439-92-1      LEAD  
CAS No: 007440-43-9      CADMIUM

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Lead and Cadmium in excess of 250 micrograms per dry standard cubic meter, combined emissions, corrected to 7 percent oxygen. Compliance testing shall meet the requirements and schedules of 40 CFR Part 63.1205, 1207, 1208 and 1209.

Manufacturer Name/Model Number: NA  
Upper Permit Limit: 250 micrograms per dry standard cubic meter (corrected to 7% oxygen)  
Reference Test Method: method 29  
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 101: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**



**Applicable Federal Requirement: 40CFR 63.1205(a)(4), Subpart EEE**

**Expired by Mod 1**

**Item 101.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 007440-38-2              ARSENIC

**Item 101.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMITS FOR ARSENIC,  
BERYLLIUM, AND CHROMIUM: KILN  
2

ARSENIC CAS No. 007440-38-2  
BERYLLIUM CAS No. 07440-41-7  
CHROMIUM CAS No. 07440-47-3

This emission point shall not discharge  
or cause  
combustion gases to be emitted into the  
atmosphere  
that contain arsenic, beryllium, and  
chromium in  
excess of 110 micrograms per dry standard  
cubic  
meter, combined emissions, corrected to 7  
percent  
oxygen. . Compliance Testing shall meet  
the  
requirements and scheduling of 40CFR  
Part 1205, 1207,  
1208 and 1209.

Upper Permit Limit: 110 micrograms per dry standard  
cubic meter (corrected to 7% oxygen)

Reference Test Method: Method 29

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 102: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(5)(i), Subpart EEE**

**Expired by Mod 1**

**Item 102.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

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

**Item 102.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSION LIMIT FOR CARBON MONOXIDE: KILN 1

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Carbon Monoxide in excess of 100 ppm by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen

Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Manufacturer Name/Model Number: na

Upper Permit Limit: 100 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: 40CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 103: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(5)(ii), Subpart EEE**



**Expired by Mod 1**

**Item 103.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 068527-16-2                      HYDROCARBONS C1-3

**Item 103.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

EMISSION LIMIT FOR HYDROCARBONS: KILN 2

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrocarbons in excess of 20 ppm by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane, at any time during the destruction and removal efficiency (DRE) test runs or their equivalent as provided by 40 CFR Part 63.1206(b)(7). The CO emission level shall be less than 100ppm during testing.

Manufacturer Name/Model Number: na

Upper Permit Limit: 20 parts per million by volume (dry,  
corrected to 7% O<sub>2</sub>)

Reference Test Method: 40 CFR Part 60

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: MONTHLY (ANNIVERSARY)

Initial Report Due: 11/28/2003 for the period 09/30/2003 through 10/29/2003

**Condition 104: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(6), Subpart EEE**

**Expired by Mod 1**

**Item 104.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 007647-01-0                      HYDROGEN CHLORIDE

**Item 104.2:**



Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMIT FOR HCL and CL2: KILN 2

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrochloric Acid and Chlorine Gas in excess of 230 ppm by volume, combined emissions, expressed as hydrochloric acid equivalents, dry basis, corrected to 7 percent oxygen.

Upper Permit Limit: 230 parts per million by volume  
(dry, corrected to 7% O<sub>2</sub>)

Reference Test Method: method 26A

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 105: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(a)(7), Subpart EEE**

**Expired by Mod 1**

**Item 105.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002

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

**Item 105.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMITS FOR PARTICULATES: KILN 2

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contains particulate matter in excess of 57 mg per dry standard cubic meter, corrected to 7 percent oxygen. Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.



Upper Permit Limit: 57 milligrams per dry standard cubic  
meter (corrected to 7% oxygen)

Reference Test Method: Method 5 or 51

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 106: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(c)(1), Subpart EEE**

**Expired by Mod 1**

**Item 106.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

**Item 106.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

99.99% DRE Standard: KILN 2

The stack emission testing must be performed to determine compliance with the Destruction and Removal Efficiency (DRE) standard. The DRE for each Principal Organic Hazardous Constituent (POHC) should not be less than 99.99%. The DRE must be calculated as defined in 40CFR 63.1203(c) and 40 CFR63.1205(c).

Parameter Monitored: DESTRUCTION EFFICIENCY

Lower Permit Limit: 99.99 percent

Reference Test Method: 40 CFR 63 EEE

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED  
VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 107: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1205(c)(2), Subpart EEE**

**Expired by Mod 1**



**Item 107.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

**Item 107.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

RESTRICTION ON TYPES OF HAZARDOUS WASTE  
BURNED: KILN 12This facility may not burn  
dioxin-listed designated hazardous  
wastes: FO20, FO21, FO22, FO23, FO26 or  
FO27.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 108: Types of performance tests - (1) Comprehensive performance  
test (cpt)**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1207, Subpart EEE**

**Expired by Mod 1**

**Item 108.1:**

This Condition applies to Emission Unit: K-ILNSG Emission Point: 00002

**Item 108.2:**

**The permittee must conduct comprehensive performance tests (cpt) to demonstrate compliance with the emission standards in this subpart , establish operating limits for operating parameters, and demonstrate compliance with the performance specifications for continuous monitoring systems (CMS).**

**Item 108.3:**

**The permittee must conduct initial comprehensive performance tests (cpt) by March 30, 2003.**

**Item 108 .4:**

**The subsequent cpt must commence no later than 61 (Sixty-one) months after the date of commencing the previous cpt.**

**Item 108 .5:**

**The cpt must be completed within the 60 (Sixty) days after the date of commencement.**



**Item 108.6:**

The permittee must submit to the NYSDEC a notification of intention to conduct a cpt, CMS performance evaluation, a site specific test plan, and CMS performance evaluation plan at least one year before the cpt and CMS performance evaluations are scheduled to begin.

**Item 108.7:**

The NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 9 (Nine) months after receipt of the original plan.

**Item 108.8:**

The permittee must submit to the NYSDEC a notification of intention to conduct the cpt at least 60 (Sixty) calendar days before the test is scheduled to begin.

**Condition 109: Types of performance tests - (2) Confirmatory performance test (ct)**

Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1207, Subpart EEE

Expired by Mod 1

**Item 109.1:**

This Condition applies to Emission Unit: K-ILNSG Emission Point: 00002

**Item 109.2:**

The permittee must conduct confirmatory performance tests (ct) to demonstrate compliance with the dioxin/furan emission standards in this subpart, under normal conditions.

**Item 109 .3:**

The subsequent ct must commence no earlier than 18 months and no later than 31 (Thirty-one) months after the date of commencing the previous cpt.

**Item 109 .4:**

The ct must be completed within the 60 (Sixty) days after the date of commencement.

**Item 109 .5:**

The permittee must submit to the NYSDEC a notification of intention to conduct the ct at least 60 (Sixty) calendar days before the test is scheduled to begin.

**Item 109 .6:**

The NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 30 (Thirty) calendar days after receipt of the original plans.

**Condition 110: Compliance Certification**

Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1207, Subpart EEE



**Expired by Mod 1**

**Item 110.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

**Item 110.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Types of performance tests -

(1) Comprehensive performance test (cpt)

Effective for entire length of Permit

Applicable Federal Requirement:

40CFR 63.1207, Subpart EEE

Item 72.1:

This Condition applies to

Emission Unit: K-ILNSG

Emission Point: 00002

Item 72.2:

As required by 40CFR 63.1207(b)(1), the permittee must conduct comprehensive performance tests (cpt) to demonstrate compliance with the emission standards in 40 CFR 63.1205 , establish operating limits for operating parameters, and demonstrate compliance with the performance specifications for continuous monitoring systems (CMS).

Item 72.3:

As required by 40CFR 63.1207(c)(1), the permittee must conduct initial comprehensive performance tests (cpt) by March 30, 2003.

Item 72 .4:

As required by 40CFR 63.1207(d)(1), the subsequent cpt must commence no later than 61 (Sixty-one) months after the date of commencing the previous cpt.

Item 72 .5:

As required by 40CFR 63.1207(d)(3), the cpt must be completed within the 60 (Sixty) days after the date of commencement unless DEC determines that a time extension is warranted based on documentation in writing of factors beyond permittee's control that prevent permittee from



meeting the 60 day deadline.

**Item 72.6:**

As required by 40CFR 63.1207(e)(1)(i), the permittee must submit to the NYSDEC a notification of intention to conduct a cpt, CMS performance evaluation, a site specific test plan, and CMS performance evaluation plan at least one year before the cpt and CMS performance evaluations are scheduled to begin.

**Item 72.7:**

As required by 40CFR 63.1207(e)(1)(i)(A), the NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 9 (Nine) months after receipt of the original plan.

**Item 72.8:**

As required by 40CFR 63.1207(e)(1)(i)(B), the permittee must submit to the NYSDEC a notification of intention to conduct the cpt at least 60 (Sixty) calendar days before the test is scheduled to begin.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 111: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1207, Subpart EEE**

**Expired by Mod 1**

**Item 111.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

**Item 111.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Types of performance tests - (2) Confirmatory performance test (ct)

Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.1207, Subpart EEE

**Item 1:**

This Condition applies to Emission Unit: K-ILNSG Emission



Point: 00002

Item 2:

As required by 40 CFR 63.1207(b)(2), the permittee must conduct confirmatory performance tests (ct) to demonstrate compliance with the dioxin/furan emission standards in this subpart, under normal conditions.

Item 3:

As required by 40 CFR 63.1207(b)(d)(2), the subsequent ct must commence no earlier than 18 months and no later than 31 (Thirty-one) months after the date of commencing the previous cpt.

Item 4:

As required by 40 CFR 63.1207(d)(3), the ct must be completed within the 60 (Sixty) days after the date of commencement, unless DEC determines that a time extension is warranted based on documentation in writing of factors beyond permittee's control that prevent permittee from meeting the 60 day deadline.

Item 5:

As required by 40 CFR 63.1207(e)(ii), the permittee must submit to the NYSDEC a notification of intention to conduct the CT Test and a CMS performance evaluation and test plan and CMS performance evaluation plan at least 60 (Sixty) calendar days before the test is scheduled to begin.

Item 6:

As required by 40 CFR 63.1207(d)(3), the NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 30 (Thirty) calendar days after receipt of the original

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 112: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 112.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002



**Item 112.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must submit to the NYSDEC by October 1, 2001, the compliance progress reports associated with the NIC, as per 63.1211(b) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 113: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.1211, Subpart EEE**

**Expired by Mod 1**

**Item 113.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

**Item 113.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The permittee must develop and submit to the NYSDEC a Documentation of Compliance (DOC) by September 30, 2002, as per 63.1211(d) of this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-155: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.1209(j)(2), Subpart EEE**

**Item 1-155.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-155.2:**



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

To remain in compliance with the destruction and removal efficiency (DRE) standard, the facility must establish operating limits during the comprehensive performance test (or during a previous DRE test under provisions of §63.1206(b)(7)) for the maximum flue gas flowrate or production rate, unless the limits are based on manufacturer's specifications, and comply with the limit at all times that hazardous waste remains in the combustion chamber (i.e., the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system was activated).

As an indicator of gas residence time in the control device, the facility must establish and comply with a limit on the maximum flue gas flowrate, the maximum production rate, or another parameter that the facility documents in the site-specific test plan as an appropriate surrogate for gas residence time, as the average of the maximum hourly rolling averages for each run.

Parameter Monitored: VOLUMETRIC FLOW RATE

Upper Permit Limit: 22.0 tons per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1  
MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-156: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(j)(3), Subpart EEE**

**Item 1-156.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Emission Point: 00002

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-156.2:**

Compliance Certification shall include the following monitoring:

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



Monitoring Description:

To remain in compliance with the destruction and removal efficiency (DRE) standard, the facility must establish operating limits during the comprehensive performance test (or during a previous DRE test under provisions of §63.1206(b)(7)) for the maximum hazardous waste feedrate, unless the limit is based on manufacturer specifications, and comply with this limit at all times that hazardous waste remains in the combustion chamber (i.e., the hazardous waste residence time has not transpired since the hazardous waste feed cutoff system was activated).

The facility must establish limits on the maximum pumpable and total (i.e., pumpable and non-pumpable) hazardous waste feedrate for each location where hazardous waste is fed.

The facility must establish the limits as the average of the maximum hourly rolling averages for each run.

The facility must comply with the feedrate limit(s) on a hourly rolling average basis.

Parameter Monitored: VOLUMETRIC FLOW RATE

Upper Permit Limit: 10.3 gallons per minute

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-157: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(l)(1), Subpart EEE**

**Item 1-157.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

Process: KHF

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-157.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:



The facility must comply with the mercury emission standard by establishing and complying with the operating limit for the feedrate of total mercury. The facility must base the limit on operating during the comprehensive performance test, unless the limit is based on manufacturer specifications.

The facility must establish a 12-hour rolling average limit for the total feedrate of mercury in all feedstreams as the average of the test run averages, unless mercury feedrate limits are extrapolated from performance test feedrate levels under the following provisions:

- The facility may request as part of the performance test plan under §63.7(b) and (c) and §63.1207(e) and (f) to use the mercury feedrates and associated emission rates during the comprehensive performance test to extrapolate to higher allowable feedrate limits and emission rates.
- The extrapolation methodology will be reviewed and approved, as warranted, by the Administrator. The review will consider in particular whether: 1) performance test metal feedrates are appropriate (i.e., whether feedrates are at least at normal levels; depending on the heterogeneity of the waste, whether some level of spiking would be appropriate; and whether the physical form and species of spiked material is appropriate); and 2) whether the extrapolated feedrates requested are warranted considering historical metal feedrate data.
- The Administrator will review the performance test results in making a finding of compliance required by §63.6(f)(3) and §63.1206(b)(3) to ensure that the facility has interpreted emission test results properly and that the extrapolation procedure is appropriate for the source.

Parameter Monitored: INLET LOADING

Upper Permit Limit: .005 pounds per hour

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-158: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(n)(2)(i), Subpart EEE**

**Item 1-158.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG  
Process: KHF

Emission Point: 00002



Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-158.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the semivolatile metals (cadmium and lead) emission standards by establishing and complying with the following operating parameter limits. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer specifications.

The facility must establish a 12-hour rolling average limit for the feedrate of cadmium and lead, combined, in all feedstreams as the average of the test run averages, except as provided in §63.1209(n)(2)(ii).

Parameter Monitored: INLET LOADING  
Upper Permit Limit: 5.89 pounds per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-159: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(n)(2)(i), Subpart EEE**

**Item 1-159.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00002  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-159.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the low volatility metals (arsenic, beryllium, and chromium) emission standards by



establishing and complying with the following operating parameter limits. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer specifications.

The facility must establish a 12-hour rolling average limit for the feedrate of arsenic, beryllium, and chromium, combined, in all feedstreams as the average of the test run averages, except as provided in §63.1209(n)(2)(ii).

Parameter Monitored: INLET LOADING  
Upper Permit Limit: 5.44 pounds per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-160: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(n)(2)(i), Subpart EEE**

**Item 1-160.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0      HAP

**Item 1-160.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must comply with the semivolatile metals (cadmium and lead) and low volatility metals (arsenic, beryllium, and chromium) emission standards by establishing and complying with the following operating parameter limits. The facility must base the limits on operations during the comprehensive performance test, unless the limits are based on manufacturer specifications.

The facility must establish feedrate limits for semivolatile and low volatile metals as follows, except as provided in §63.1209(n)(2)(ii):



- the facility must establish a 12-hour rolling average limit for the feedrate of arsenic, beryllium, and chromium, combined, in all pumpable feedstreams as the average of the test run averages. Dual feedrate limits for both pumpable and total feedstreams are not required, however, if the facility bases the total feedrate limit solely on the feedrate of pumpable feedstreams.

Parameter Monitored: INLET LOADING  
Upper Permit Limit: 4.71 pounds per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-161: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.1209(n)(4), Subpart EEE**

**Item 1-161.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG                      Emission Point: 00002  
Process: KHF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0      HAP

**Item 1-161.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The facility must establish a 12-hour rolling average limit for the feedrate of total chlorine and chloride in all feedstreams as the average of the test run averages.

Parameter Monitored: INLET LOADING  
Upper Permit Limit: 51.6 pounds per hour  
Monitoring Frequency: CONTINUOUS  
Averaging Method: 12-HOUR ROLLING AVERAGE, CALCULATED EVERY MINUTE  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-162: Compliance Certification**  
**Effective for entire length of Permit**



**Applicable Federal Requirement:6NYCRR 212.4(c)**

**Item 1-162.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 0003A

**Item 1-162.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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. Permittee will conduct compliance testing at the monitoring frequency stated below.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-163: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:6NYCRR 212.4(c)**

**Item 1-163.1:**

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 0003B

**Item 1-163.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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. Permittee will conduct compliance testing at the monitoring frequency stated below.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.050 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT



Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-164: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.242-2(a)(1), NESHAP**

**Subpart V**

**Item 1-164.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-164.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each pump shall be monitored monthly to detect leaks by using Method 21. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected. A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.

Parameter Monitored: VOC

Upper Permit Limit: 10000 parts per million (by volume)

Reference Test Method: EPA Method 21

Monitoring Frequency: MONTHLY

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.

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

**Condition 1-165: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.242-2(a)(2), NESHAP**

**Subpart V**

**Item 1-165.1:**

The Compliance Certification activity will be performed for:



Emission Unit: M-ISCES

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-165.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Each pump shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal. When a leak is detected, a first attempt at repair shall be made within 5 calendar days after each leak is detected and final repair shall be completed as soon as practicable but not later than 15 calendar days after detection.

Monitoring Frequency: WEEKLY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-166: Standards for open ended valves or lines  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-6, NESHAP Subpart V**

**Item 1-166.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-166.2:**

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, unless the owner/operator is granted an alternative method of compliance as provided in §61.242-1(c). The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.

Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed. When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with this condition at all other times.

**Condition 1-167: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-7(a), NESHAP Subpart**

**V**



**Item 1-167.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-167.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Each valve shall be monitored monthly to detect leaks using Method 21. If an instrument reading of 10,000 ppm or greater is measure, a leak is detected. When a leak is detected, the valve shall be repaired as soon as practicable, but no later than 15 calendar days after detection. A first attempt at repair shall be made no later than 5 calendar days after detection and may include tightening of the bonnet bolts, replacement of bonnet bolts, tightening of packing gland nuts, and injection of lubricant into lubricated packing.

Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter, beginning with the next quarter, until a leak is detected. If a leak is detected, the valve shall be monitored monthly until a leak is not detected for 2 successive months.

Parameter Monitored: VOC

Upper Permit Limit: 10000 parts per million (by volume)

Reference Test Method: EPA Method 21

Monitoring Frequency: MONTHLY

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.

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

**Condition 1-168: Standards for valves: exemption for unsafe-to-monitor valves**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-7(g), NESHAP Subpart**

V

**Item 1-168.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-168.2:**



Any valve that is designated, as described in 40CFR61.264(f)(1), as an unsafe-to-monitor valve is exempt from the valve monitoring requirements of Subpart V if:

- 1) The owner/operator of the valve demonstrates that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with the valve monitoring requirements of Subpart V; and
- 2) The owner/operator of the valve has a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor periods.

**Condition 1-169: Standards for valves: exemption for difficult-to-monitor valves**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-7(h), NESHAP Subpart**

**V**

**Item 1-169.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-169.2:**

Any valve that is designated, as described in 40CFR61.246(f)(2), as a difficult-to-monitor valve is exempt from the valve monitoring requirements of Subpart V if:

- 1) The owner/operator demonstrates that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface;
- 2) The process unit within which the valve is located is an existing process unit; and
- 3) The owner/operator follows a written plan that requires monitoring of the valve at least once per calendar year.

**Condition 1-170: Compliance Certification**

**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-8, NESHAP Subpart V**

**Item 1-170.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-170.2:**

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Pressure relief devices in liquid service and flanges and



other connectors shall be monitored within 5 days by the method specified in §61.245(b) if evidence of a potential leak is found by visual, audible, olfactory, or any other detection method, unless the owner/operator is granted an alternative method of compliance as provided in §61.242-1(c).

If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. This leak shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in the delay of repair provisions listed in §61.242-10.

The first attempt at repair shall be made no later than 5 calendar days after each leak is detected, and shall include, but are not limited to, tightening of bonnet bolts, replacement of bonnet bolts, tightening of packing gland nuts; and injection of lubricant into lubricated packing.

Parameter Monitored: VOC

Upper Permit Limit: 10000 parts per million (by volume)

Reference Test Method: EPA Method 21

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

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.

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

**Condition 1-171: Standards for delay of repair  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.242-10, NESHAP Subpart V**

**Item 1-171.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-171.2:**

Delay of repair of equipment for which leaks have been detected will be allowed if:

- 1) the repair is technically infeasible without a process unit shutdown. Repair of this equipment shall occur before the end of the next process unit shutdown;
- 2) if the equipment is isolated from the process and does not remain in VHAP service
- 3) for valves, if the owner/operator demonstrates that emissions of purged material resulting from immediate repair are greater than the fugitive emissions likely to result from delay of repair, and when repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with 40CFR61.242-11; or



4) for pumps, repair requires the use of a dual mechanical seal system that includes a barrier fluid system, and repair is completed as soon as practicable, but not later than 6 months after the leak was detected.

**Condition 1-172: §61.242-11(b) - Standards for vapor recovery systems  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-11, NESHAP Subpart V**

**Item 1-172.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-172.2:**

Vapor recovery systems (ie, condensers and adsorbers) shall be designed and operated to recover the organic vapors vented to them with an efficiency of 95% or more.

**Condition 1-173: §61.242-11(f) - Standards for closed-vent systems  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-11, NESHAP Subpart V**

**Item 1-173.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-173.2:**

Closed vent systems shall be designed for and operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background and by visual inspections, as determined by the methods specified in 40CFR61.245(c).

Closed vent systems shall be monitored to determine compliance with the above standard initially in accordance with 40CFR61.05, annually, and at other times requested by the Administrator.

Leaks, as indicated by an instrument reading greater than 500 ppm and visual inspections, shall be repaired as soon as practicable, but not later than 15 calendar days after the leak is detected.

A first attempt at repair shall be made no later than 5 calendar days after the leak is detected.

**Condition 1-174: §61.242-11(m) - Standards for operation of closed vent  
systems and control devices  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.242-11, NESHAP Subpart V**

**Item 1-174.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-174.2:**

Control devices and closed vent systems that are used to comply with the provisions in Subpart V shall be operated at all times when emissions may be vented to them.



**Condition 1-175: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.243-2, NESHAP Subpart V**

**Item 1-175.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

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

**Item 1-175.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner/operator shall comply initially with the requirements for valves, as described in §61.242-7.

After 2 consecutive quarterly leak detection periods where the percentage of valves leaking is equal to or less than 2.0, the owner/operator may begin skipping one of the quarterly leak detection periods for the valves in VHAP service.

After 5 consecutive quarterly leak detection periods with the percentage of valves leaking equal to or less than 2.0, an owner/operator may begin to skip 3 of the quarterly leak detection periods for the valves in VHAP service.

If the percentage of valves leaking is greater than 2.0, the owner/operator shall comply with the requirements as described in §61.242-7, but may again elect to use this condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-176: Monitoring requirements**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 61.245(b), NESHAP Subpart V**

**Item 1-176.1:**

This Condition applies to Emission Unit: M-ISCES



**Item 1-176.2:**

Monitoring, as required in 40 CFR 61.242, 61.243, 61.244, and 61.135, shall comply with the following requirements:

- (1) Monitoring shall comply with Method 21 of appendix A of 40 CFR part 60.
- (2) The detection instrument shall meet the performance criteria of Method 21.
- (3) The instrument shall be calibrated before use on each day of its use by the procedures specified in Method 21.
- (4) Calibration gases shall be:
  - (i) Zero air (less than 10 ppm of hydrocarbon in air); and
  - (ii) A mixture of methane or n-hexane and air at a concentration of approximately, but less than, 10,000 ppm methane or n-hexane.
- (5) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.

**Condition 1-177: Monitoring requirements for no detectable emissions  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.245(c), NESHAP Subpart V**

**Item 1-177.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-177.2:**

When equipment is tested for compliance with or monitored for no detectable emissions, the owner or operator shall comply with the following requirements:

- (1) The requirements of paragraphs 40 CFR 61.245(b) (1) through (4) shall apply.
- (2) The background level shall be determined, as set forth in Method 21.
- (3) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.
- (4) The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 ppm for determining compliance.

**Condition 1-178: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.246(b), NESHAP Subpart V**

**Item 1-178.1:**

The Compliance Certification activity will be performed for:



Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-178.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When each leak is detected according to the provisions in Subpart V for pumps and valves, the following requirements apply:

- 1) A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment
- 2) The identification on a valve may be removed after it has been monitored for 2 successive months and no leak has been detected during those 2 months
- 3) The identification on equipment, except on a valve, may be removed after it has been repaired.

Reporting requirements are contained in the condition for 40 CFR 61-V.247(b)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-179: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.246(c), NESHAP Subpart V**

**Item 1-179.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-179.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



When a leak is detected according to the pump and valve provisions in Subpart V, the following information shall be recorded in a log and shall be kept for 2 years in a readily accessible location:

- 1) The instrument and operator identification numbers and the equipment identification number.
- 2) The date the leak was detected and the dates of each attempt to repair the leak.
- 3) Repair methods applied in each attempt to repair the leak.
- 4) "Above 10,000" if the maximum instrument reading measured by Method 21 after each repair attempt is equal to or greater than 10,000 ppm.
- 5) "Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak.
- 6) The signature of the owner/operator (or designate) whose decision it was that repair could not be effected without a process shutdown.
- 7) The expected date of successful repair of the leak if a leak is not repaired within 15 calendar days.
- 8) Dates of process unit shutdowns that occur while the equipment is unrepaired.
- 9) The date of successful repair of the leak.

Reporting provisions are contained in the condition for 40 CFR 61-V.247(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-180: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.246(e), NESHAP Subpart V**

**Item 1-180.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-180.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:



The following information pertaining to all equipment to which a standards applies shall be recorded in a log that is kept in a readily accessible location:

- 1) A list of identification numbers for equipment (except welded fittings) subject to the requirements of Subpart V.
- 2) A list of identification numbers for equipment that the owner/operator elects to designate for no detectable emissions as indicated by an instrument reading of less than 500 ppm above background.

Reporting requirements are contained in the condition for 40 CFR 61-V.247(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-181: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.246(f), NESHAP Subpart V**

**Item 1-181.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-181.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The following information pertaining to all valves subject to Subpart V shall be recorded in a log that is kept in a readily accessible location:

- 1) A list of identification numbers for valves that are designated as unsafe to monitor, an explanation for each valve stating why the valve is unsafe to monitor, and the plan for monitoring each valve.
- 2) A list of identification numbers for valves that are designated as difficult to monitor, an explanation for each valve stating why the valve is difficult to monitor, and the planned schedule for monitoring each valve.



Reporting requirements are contained in the condition for  
40 CFR 61-V.247(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-182: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 61.247, NESHAP Subpart V**

**Item 1-182.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-182.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A report shall be submitted semiannually beginning 6  
months after the initial report required for Subpart V.

This report shall include the following:

- 1) Process unit identification
- 2) For each month during the semiannual reporting  
period:
  - 2a) the number of valves for which leaks were  
detected
  - 2b) the number of valves for which leaks were not  
repaired
  - 2c) the number of pumps for which leaks were detected
  - 2d) the number of pumps for which leaks were not  
repaired
  - 2e) the facts that explain any delay of repairs and, where  
appropriate, why a process unit shutdown was technically  
infeasible.
- 3) Dates of process unit shutdowns which occurred during  
the semiannual reporting period
- 4) Revisions to items reported in the initial statement if  
changes have occurred since the statement was  
submitted.



5) The results of all performance tests and monitoring to determine compliance with no detectable emissions conducted during the semiannual reporting period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-183: General Provisions Applicability  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.680, Subpart DD**

**Item 1-183.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-183.2:**

Owners or operators of affected sources subject to 40CFR63 Subpart DD must also comply with the requirements of 40 CFR 63 Subpart A, according to the applicability of Subpart A to such sources, as identified in Table 2 of Subpart DD. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

Table 2 of Subpart DD specifically overrides the following subdivisions of Subpart A, Section 63.1, Applicability: 63.1(a)(4), 63.1(a)(5) through (9), 63.1(b)(1), 63.1(b)(3), 63.1(c)(1) through (c)(3), 63.1(d), and 63.1(e). It also partially overrides 63.1(c)(5) in that sources are not required to submit notifications overridden by Table 2.

Table 2 partially overrides Section 63.2, Definitions, in that §63.681 of Subpart DD specifies that if the same term is defined in both subparts then it shall have the meaning given in Subpart DD.

Table 2 does not override Section 63.3, Units and Abbreviations or Section 63.4, Prohibited Activities and Circumvention.

Table 2 overrides the following subdivisions of Section 63.5, Construction and Reconstruction: it completely overrides §63.5(d)(2) and partially overrides 63.5(a)(1) replacing the terms "source" and "stationary source" in 63.5(a)(1) with "affected source". It also changes the cross reference in §63.5(b)(4) from "§63.9(b)" to "§63.9(b)(4) and (5)".

Table 2 specifically overrides the following subdivisions of Section 63.6, Compliance With Standards and Maintenance Requirements: §§63.6 (b)(1), (b)(2), and (b)(4) through (7) regarding compliance dates and notification requirements for new and reconstructed sources; §§63.6(c)(1) through (4) regarding compliance dates for existing sources, §63.6(d), 63.6(f)(2)(iii)(D) removing a cross reference to 63.7(c) which is also overridden, and §63.6(h) regarding opacity and visible emission standards. The following paragraphs in Section 63.6 apply without alteration: §63.6(a) regarding applicability, §63.6(e) regarding operation and maintenance requirements and startup, shutdown and malfunction plans,



§63.6(g) regarding use of alternative nonopacity emission standards, §63.6(i) regarding extension of compliance with emission standards, and §63.6(j) regarding exemption from compliance with emission standards.

Table 2 specifically overrides the following subdivisions of Section 63.7, Performance Testing Requirements: §63.7(a)(1) regarding applicability of Section 63.7, §63.7(b) regarding the performance test notification, §63.7(c) regarding the quality assurance program and the site specific test plan, §63.7(e)(3) regarding test methods and procedures, 63.7(f) regarding use of alternative test methods, and §63.7(h)(4) regarding approval to waive a performance test. The following paragraphs in Section 63.7 apply without alteration: §63.7(d) regarding performance testing facilities and §63.7(g) regarding data analysis, recordkeeping and reporting.

Table 2 specifically overrides the following subdivisions of Section 63.8, Monitoring Requirements: §63.8(a) regarding applicability of Section 63.8, §63.8(b)(2) regarding monitoring of combined effluent streams, §§63.8(c)(4) through (8) regarding monitoring frequency and calibration procedures, §63.8(d) regarding the quality control program, §63.8(e) regarding performance evaluation of continuous monitoring systems, §63.8(f)(4)(iii) regarding submittal of information for alternative monitoring methods, §63.8(f)(5)(ii) regarding petitions to use alternative relative accuracy tests. Only paragraph 63.8(g) regarding reduction of monitoring data applies without alteration.

Table 2 specifically overrides the following subdivisions of Section 63.9, Notification Requirements: §63.9(b)(1)(ii) regarding initial notifications for area sources that become major sources by an increase of emissions or potential to emit, §63.9(b)(3) regarding initial notification for new and reconstructed sources, §63.9(e) regarding notification of performance test, §63.9(f) regarding notification of opacity and visible emissions observations, §63.9(g) regarding notification requirements for sources with continuous monitoring systems, and 63.9(j) regarding changes in information already provided. The following paragraphs in Section 63.9 apply without alteration: §63.9(a) regarding general information and applicability of notification requirements, §63.9(c) regarding requests for extension of compliance, §63.9(d) regarding notification that the source is subject to special compliance requirements, §63.9(h) regarding notification of compliance status, and §63.9(i) regarding adjustment to time periods or postmark deadlines.

Table 2 specifically overrides the following subdivisions of Section 63.10, Recordkeeping and Reporting Requirements: §63.10(b)(2)(iii) regarding records of maintenance on air pollution control equipment, §63.10(b)(2)(xii) regarding records of information regarding waivers of recordkeeping or reporting requirements, §63.10(b)(2)(xiii) regarding records of emission levels relative to alternative relative accuracy tests, §63.10(b)(2)(xiv) regarding documentation supporting initial notifications and notifications of compliance status, §63.10(c) regarding recordkeeping for sources with continuous monitoring systems, §63.10(d)(1) regarding applicability of reporting requirements, §63.10(d)(3) regarding reporting results of opacity and visible emissions observations, and §63.10(e) regarding reporting requirements for sources with continuous monitoring systems. The following paragraphs in Section 63.10 apply without alteration: §63.10(a) regarding applicability and general information for recordkeeping and reporting requirements, and 63.10(f) regarding waiver of recordkeeping or reporting requirements.

Section 63.11, Control Device Requirements; §63.12, State Authority and Delegation; §63.13, Addresses of State air pollution control agencies and EPA Regional Offices; §63.14, Incorporations by Reference, and §63.15, Availability of Information and Confidentiality apply



to Subpart DD affected sources without any alteration.

**Condition 1-184: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.683(b)(1), Subpart DD**

**Item 1-184.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

**Item 1-184.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each off-site material management unit that is part of an affected source, the facility must meet one of the following requirements unless the unit is exempted under §63.683(b)(2):

- 1) The facility controls air emissions from the off-site material management unit in accordance with the applicable standards listed in §63.685-689
- 2) The facility removes or destroys HAP in the off-site material before placing the material in the off-site material management unit by treating the material in accordance with the standards listed in §63.684
- 3) The facility determines before placing off-site material in the off-site material management unit that the average VOHAP concentration of the off-site material is less than 500 ppmw at the point-of-delivery. The facility must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures in §63.694(b). This initial determination must be performed either before the first time any portion of the off-site material stream is placed in the unit or by the compliance date, whichever date is later. Thereafter, the facility must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material system.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-185: Compliance Certification**



**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.683(d), Subpart DD**

**Item 1-185.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

**Item 1-185.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each equipment component that is part of an affected source and meets all of the following criteria, the owner/operator shall control the HAP emitted from equipment leaks by implementing control measures in accordance with the standards specified in §63.691:

- 1) The equipment component contains or contacts off-site material having a total HAP concentration equal to or greater than 10 percent by weight.
- 2) The equipment piece is a pump, compressor, agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector, or instrumentation system; and
- 3) The equipment piece is intended to operate 300 hours or more during a 12-month period in off-site material service.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-186: §63.688(b) - Containers with a capacity > 26.4 gal & < 121.52 gal or containers with a capacity > 121.52 gal & not in light-material service  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.688, Subpart DD**

**Item 1-186.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-186.2:**

The owner/operator shall control air emissions from the container by following the provisions listed in 40CFR63.922 of Subpart PP for Container Level 1 controls.



A container using Container Level 1 controls is one of the following:

- 1) A container that meets the applicable U.S. DOT regulations on packaging hazardous materials for transportation as specified in 40CFR63.922(f).
- 2) A container equipped with a cover and closure devices that form a continuous barrier over the container openings such that when the cover and closure devices are secured in the closed position there are no visible holes, gaps, or other open spaces into the interior of the container. The cover may be a separate cover installed on the container or an integral part of the container structural design.
- 3) An open-top container in which an organic vapor-suppressing barrier (ie. an organic vapor-suppressing foam) is placed on or over the regulated material in the container such that no regulated material is exposed to the atmosphere.

Standards covering the composition of covers and closure devices are listed in 40CFR63.922(c) and the provisions concerning the proper situations when a closure device may be opened are listed in 40CFR63.922(d).

The owner/operator shall inspect containers using Container Level 1 controls according to the provisions listed in 40CFR63.926(a).

Compliance with this provision may be satisfied by complying with the provisions in 40CFR63, Subpart PP for Level 2 Controls.

**Condition 1-187: §63.688(b)(3) - Containers with a capacity > 121.52 gallons and in light material service  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.688, Subpart DD**

**Item 1-187.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-187.2:**

The owner/operator shall control air emissions from the container in accordance with the standards for Container Level 2 controls as specified in 40CFR63.923 of subpart PP.

A container using Container Level 2 controls is one of the following:

- 1) A container that meets the applicable U.S. DOT regulations on packaging hazardous materials for transportation as specified in 40CFR63.923(f).
- 2) A container that has been demonstrated to operate with no detectable organic emissions as defined in 40CFR63.925(a).
- 3) A container that has been demonstrated within the past 12 months to be vapor-tight by using Method 27 in Appendix A of 40CFR60 in accordance with the procedure listed in 40CFR63.925(b).



Procedures on transferring materials into and out of a container using Container Level 2 controls is specified in 40CFR63.923(c). The provisions concerning the proper situations when a closure device may be opened are listed in 40CFR63.923(d).

The owner/operator shall inspect containers that use Container Level 2 controls according to the provisions listed in 40CFR63.926(a).

**Condition 1-188: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.689(c), Subpart DD**

**Item 1-188.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-188.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each transfer system that is subject to 40CFR63, Subpart DD for Off-Site Waste and Recovery Operations, the facility shall control air emissions by using one of the transfer systems listed in §63.689(c)(1)-(3).

If the facility elects to use a transfer system that consists of continuous hard-piping, all joints or seams between the pipe sections shall be permanently or semi-permanently sealed (e.g., a welded joint between two sections of metal pipe or a bolted and gasketed flange.)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-189: Equipment leak standards - Subpart V option**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.691, Subpart DD**

**Item 1-189.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-189.2:**



The owner/operator shall control the HAP emitted from equipment leaks in accordance with the applicable provisions of 40CFR61.242 through 40CFR61.247 in subpart V - National Emission Standards for Equipment Leaks.

**Condition 1-190: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.693(b), Subpart DD**

**Item 1-190.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-190.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For each closed-vent system and control device used to comply with §63.693, the facility shall inspect and monitor each closed-vent system in accordance with the requirements in §63.695(c), and comply with the applicable recordkeeping requirements in §63.696 and the applicable reporting requirements in §63.697.

As an alternative, the facility may choose to inspect and monitor the closed-vent system in accordance with the requirements under 40CFR63, Subpart H (Hazardous Organic NESHAP for Equipment Leaks), as specified in §63.172(f)-(h), and comply with the applicable recordkeeping requirements in §63.181 and the applicable reporting requirements in §63.182.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-191: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.693(c), Subpart DD**

**Item 1-191.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES



Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-191.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The vent stream required to be controlled shall be conveyed to the control device by the following closed-vent system:

- A closed-vent system that is designed to operate with no detectable organic emissions using the procedure specified in §63.694(k)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-192: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.693(d), Subpart DD**

**Item 1-192.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-192.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must demonstrate that the carbon adsorption system achieves the performance requirements in §63.693(d)(1) by either conducting a performance test or a design analysis.

If the facility chooses to conduct a design analysis, then the facility must include as part of this design analysis:

- For a nonregenerable carbon adsorption system (e.g., a carbon canister), the design analysis shall address:
  - 1) vent stream composition
  - 2) constituent concentrations



- 3) flowrate
- 4) relative humidity
- 5) temperature
- 6) design exhaust vent stream organic compound concentration
- 7) carbon bed capacity
- 8) activated carbon type and working capacity
- 9) design carbon replacement interval based on the total carbon working capacity of the control device and emission point operating schedule.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-193: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.693(d), Subpart DD**

**Item 1-193.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-193.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The carbon adsorption system must achieve one of the performance specifications below:

- 1) Recover 95% or more, on a weight-basis of the total organic compounds (TOC), less methane and ethane, contained in the vent stream entering the carbon adsorption system; or
- 2) Recover 95% or more, on a weight-basis, of the total HAP listed in Table 1 of Subpart DD contained in the vent stream entering the carbon adsorption system.

Parameter Monitored: HAP

Lower Permit Limit: 95 percent reduction by weight

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



**Condition 1-194: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.693(d), Subpart DD**

**Item 1-194.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-194.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must demonstrate that the carbon adsorption system achieves the performance requirements in §63.693(d)(1) by either performing a performance test or a design analysis.

If the facility chooses to do a performance test, then the facility must conduct the test in accordance with the requirements of §63.694(l).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-195: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.693(d), Subpart DD**

**Item 1-195.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-195.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As an alternative to meeting the requirements in §63.693(d)(3) and (d)(4)(i), the facility may choose to replace on a regular basis the carbon canister or the



carbon in the control device using the procedures in either §63.693(d)(4)(iii)(A) or (B) for a nonregenerable carbon adsorption system. For the purposes of this condition, a nonregenerable carbon adsorption system means a carbon adsorption system that does not regenerate the carbon bed directly onsite in the control device, such as a carbon canister. The spent carbon removed from the nonregenerable carbon adsorption system must be managed according to the requirements in §63.693(d)(2).

The facility shall replace either the existing carbon canister with a new carbon canister or replace the existing carbon in the control device with fresh carbon at a regular, predetermined time interval that is less than the design carbon replacement interval established as a requirement of §63.693(d)(2)(ii)(B).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-196: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.693(d), Subpart DD**

**Item 1-196.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-196.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

As an alternative to meeting the requirements of §63.693(d)(3) and (d)(4)(i), the owner/operator of a nonregenerable carbon adsorption system may choose to replace on a regular basis the carbon canister or the carbon in the control device using the procedures in either §63.693(d)(4)(iii)(A) or (B). For the purpose of complying with this condition, a nonregenerable carbon adsorption system means a carbon adsorption system that does not regenerate the carbon bed directly onsite in the



control device, such as the carbon canister. The spent carbon removed from the nonregenerable carbon adsorption system must be managed according to the requirements in §63.693(d)(4)(ii).

The facility shall monitor the concentration level of the organic compounds in the exhaust vent from the carbon adsorption system on a regular schedule, and when carbon breakthrough is indicated, immediately replace either the existing carbon canister with a new carbon canister or replace the existing carbon in the control device with fresh carbon. Measurement of the concentration level of the organic compounds in the exhaust vent stream must be made with a detection instrument that is appropriate for the composition of organic constituents in the vent stream and is routinely calibrated to measure the organic concentration level expected to occur at breakthrough. The monitoring frequency must be daily or at an interval no greater than 20% of the time required to consume the total carbon working capacity established as a requirement of §63.693(d)(2)(ii)(B), whichever is longer.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: ACTIVATED CARBON

Parameter Monitored: ORGANIC HAP CONTENT

Upper Permit Limit: 500 parts per million (by volume)

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-197: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.695(c), Subpart DD**

**Item 1-197.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-197.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility uses a closed-vent system to comply with



§63.693(c)(1)(i) for systems operating with no detectable organic emissions, then the facility shall be inspected and monitored as follows:

- after initial startup, the facility shall inspect and monitor closed-vent system joints, seams, or other connections that are permanently or semi-permanently sealed (e.g., a welded joint between two sections of hard piping or a bolted and gasketed ducting flange) shall be visually inspected at least once per year to check for defects that could result in air emissions. The facility shall monitor a component or connection using the procedures specified in §63.694(k) to demonstrate that it operates with no detectable organic emissions following any time the component is repaired or replaced (e.g., a section of damaged hard piping is replaced with new hard piping) or the connection is unsealed (e.g., a flange is unbolted).

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-198: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.695(c), Subpart DD**

**Item 1-198.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-198.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility uses a closed-vent system (CVS) to comply with the requirements in §63.693(c)(1)(i) for CVS with no detectable organic emissions, after initial startup the facility shall inspect and monitor the CVS as follows:

- CVS components or connections other than those specified in §63.695(c)(1)(ii)(A) for permanently or semi-permanently (welded) connections shall be monitored



at least once per year using the procedures specified in §63.694(k) to demonstrate that components or connections operate with no detectable organic emissions.

Monitoring Frequency: ANNUALLY

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-199: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.696, Subpart DD**

**Item 1-199.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

**Item 1-199.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall comply with all of the recordkeeping requirements of 696.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-200: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.697, Subpart DD**

**Item 1-200.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

**Item 1-200.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall comply with all of the reporting requirements of 697.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 1-201: Inspection and monitoring procedures for Container Level 1 and 2 controls**  
**Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.926(a), Subpart PP**

**Item 1-201.1:**

This Condition applies to Emission Unit: M-ISCES

**Item 1-201.2:**

Owners/operators of containers using either Container Level 1 or Container Level 2 controls shall inspect the container and its cover and closure devices as follows:

1) When a regulated material already is in the container when the owner/operator first accepts possession of the container at the facility site and the container is not emptied within 24 hours after arrival, the container and its cover and closure devices shall be visually inspected by the owner/operator to check for visible cracks, holes, gaps, or other open spaces into the interior of the container when the cover and closure devices are secured in the closed position. This inspection shall be done on or before the date that the container is accepted at the facility. The date of acceptance shall be the date of signature of the facility owner or operator on the manifest or shipping papers accompanying the container.

2) When a container used for managing regulated material remains at the facility for one year or more, the container and its cover and closure devices shall be visually inspected by the owner/operator initially and at least once every 12 months thereafter to check for visible cracks, holes, gaps, or other open spaces into the interior of the container when the cover and closure devices are secured in the closed position.

3) When a defect is detected for the container, cover, or closure devices, the owner/operator shall either empty regulated material from the container or repair the defective container.

If the owner/operator chooses to empty the container, the regulated material must be transferred to either a container that meets the applicable standards under Subpart PP or to a tank, process, or treatment unit that meets Subpart DD. Transfer must be completed no later than 5 calendar days after detection of the defect. The emptied defective container must be either repaired, destroyed, or used for purposes other than management of regulated material.

If the owner/operator chooses to repair the defective container, first efforts at repair must be made no later than 24 hours after detection of the defect. Final repair must be completed as soon as possible but no later than 5 calendar days after detection. If repair of a defect cannot be completed within 5 calendar days, the regulated material must be emptied from the container and the container must not be used to manage regulated material until the defect is repaired.

**Condition 114: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.683(b)(2)(ii), Subpart DD**

**Expired by Mod 1**



**Item 114.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Process: DRS

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 114.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

At the discretion of the owner or operator, one or a combination of off-site material management units may be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683 when these units meet the condition that the total annual quantity of HAP contained in the off-site material placed in the units exempted under this paragraph (b)(2)(ii) is less than 1 megagram per year. For the off-site material management units selected by the owner or operator to be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683, the owner or operator must meet the requirements in paragraphs (b)(2)(ii)(A) and (b)(2)(ii)(B) of 40 CFR 63.683. An owner or operator may change the off-site material management units selected to be exempted under this paragraph (b)(2)(ii) by preparing a new designation for the exempt-units as required by paragraph (b)(2)(ii)(A) of 40 CFR 63.683 and performing a new determination as required by paragraph (b)(2)(ii)(B) of 40 CFR 63.683.

(A) The owner or operator must designate each of the off-site material management units selected by the owner or operator to be exempt under paragraph (b)(2)(ii) of 40 CFR 63.683 by either submitting to the Administrator a written notification identifying the exempt-units or permanently marking the exempt-units at the plant site. If an owner or operator chooses to prepare and submit a written notification, this notification must include a site plan, process diagram, or other appropriate documentation identifying each of the exempt-units. If an owner or operator chooses to permanently mark the exempt-units, each exempt-unit must be marked in such a manner that it can be readily identified as an exempt-unit from the other off-site material management units located at the plant site.

(B) The owner or operator must prepare an initial determination of the total annual HAP quantity in the off-



site material placed in the units exempted under this paragraph (b)(2)(ii). This determination is based on the total quantity of the HAP listed in Table 1 of 40 CFR 63.683 as determined at the point where the off-site material is placed in each exempted unit. The owner or operator must perform a new determination whenever the extent of changes to the quantity or composition of the off-site material placed in the exempted units could cause the total annual HAP content in the off-site material to exceed 1 megagram per year. The owner or operator must maintain documentation to support the most recent determination of the total annual HAP quantity. This documentation must include the basis and data used for determining the HAP content of the off-site material.

Work Practice Type: PROCESS MATERIAL THRUPUT

Process Material: WASTE MATERIAL

Upper Permit Limit: 1 Megagrams (10\*\*6 grams) per year

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL TOTAL

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 115: Equipment leak provisions**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.683(b)(3), Subpart DD**

**Expired by Mod 1**

**Item 115.1:**

This Condition applies to Emission Unit: M-ISCES  
Process: DRS

**Item 115.2:**

For each equipment component that is part of an affected source and meets all of the following criteria, the owner/operator shall control the HAP emitted from equipment leaks by implementing control measures in accordance with the standards specified in §63.691:

- 1) The equipment component contains or contacts off-site material having a total HAP concentration equal to or greater than 10 percent by weight.
- 2) The equipment piece is a pump, compressor, agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector, or instrumentation system; and
- 3) The equipment piece is intended to operate 300 hours or more during a 12-month period.

**Condition 116: Compliance Certification**



Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.683(d), Subpart DD

**Expired by Mod 1**

**Item 116.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Process: DRS

**Item 116.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Equipment leak provisions  
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.683(d), Subpart DD

1:  
This Condition applies to Emission Unit:  
M-ISCES

Process: DRS

Item 2:

For each equipment component that is part of an affected source and meets all of the following criteria, the owner/operator shall control the HAP emitted from equipment leaks by implementing control measures in accordance with the standards specified in §63.691:

1) The equipment component contains or contacts off-site material having a total HAP concentration equal to or greater than 10 percent by weight.

2) The equipment piece is a pump, compressor, agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector, or instrumentation system; and

3) The equipment piece is intended to operate 300 hours or more during a 12-month period in off-site material service.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.



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

**Condition 117: Standards - containers with a capacity > 121.52 gallons and in light material service**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.688, Subpart DD**

**Expired by Mod 1**

**Item 117.1:**

This Condition applies to Emission Unit: M-ISCES  
Process: DRS

**Item 117.2:**

The owner/operator shall control air emissions from the container in accordance with the standards for Container Level 2 controls as specified in 40CFR63.923 of subpart PP.

A container using Container Level 2 controls is one of the following:

- 1) A container that meets the applicable U.S. DOT regulations on packaging hazardous materials for transportation as specified in 40CFR63.923(f).
- 2) A container that has been demonstrated to operate with no detectable organic emissions as defined in 40CFR63.925(a).
- 3) A container that has been demonstrated within the past 12 months to be vapor-tight by using Method 27 in Appendix A of 40CFR60 in accordance with the procedure listed in 40CFR63.925(b).

Procedures on transferring materials into and out of a container using Container Level 2 controls is specified in 40CFR63.923(c). The provisions concerning the proper situations when a closure device may be opened are listed in 40CFR63.923(d).

The owner/operator shall inspect containers that use Container Level 2 controls according to the provisions listed in 40CFR63.926(a).

**Condition 118: Standards - containers with a capacity > 26.4 gallons and < 121.52 gallons or containers with a capacity > 121.52 gallons and not in light-material service**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.688, Subpart DD**

**Expired by Mod 1**

**Item 118.1:**

This Condition applies to Emission Unit: M-ISCES  
Process: DRS

**Item 118.2:**

The owner/operator shall control air emissions from the container by following the provisions listed in 40CFR63.922 of Subpart PP for Container Level 1 controls.



A container using Container Level 1 controls is one of the following:

- 1) A container that meets the applicable U.S. DOT regulations on packaging hazardous materials for transportation as specified in 40CFR63.922(f).
- 2) A container equipped with a cover and closure devices that form a continuous barrier over the container openings such that when the cover and closure devices are secured in the closed position there are no visible holes, gaps, or other open spaces into the interior of the container. The cover may be a separate cover installed on the container or an integral part of the container structural design.
- 3) An open-top container in which an organic vapor-suppressing barrier (ie. an organic vapor-suppressing foam) is placed on or over the regulated material in the container such that no regulated material is exposed to the atmosphere.

Standards covering the composition of covers and closure devices are listed in 40CFR63.922(c) and the provisions concerning the proper situations when a closure device may be opened are listed in 40CFR63.922(d).

The owner/operator shall inspect containers using Container Level 1 controls according to the provisions listed in 40CFR63.926(a).

**Condition 119: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 119.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES  
Process: FSH

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

**Item 119.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

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. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES  
Upper Permit Limit: 0.05 grains per dscf  
Reference Test Method: EPA Method 5



Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT  
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 1-202: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-202.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Process: FSH

**Item 1-202.2:**

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: DAILY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 120: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.683(b)(2)(ii), Subpart DD**

**Expired by Mod 1**

**Item 120.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES  
Process: FTS

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 120.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For each process vent that is part of an affected source, the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the point-of-delivery. The owner or operator shall perform an initial determination of the average VOHAP concentration of each off-site material stream using the procedures specified in 40 CFR 63.694(b) before the first time any portion of the off-site material is placed in the unit. Thereafter, the owner or operator shall review and update, as necessary, this determination every 12 months following the date of the initial determination for the off-site material stream.

Parameter Monitored: HAP

Upper Permit Limit: 500 parts per million by weight



Monitoring Frequency: ANNUALLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 121: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 63.683(b)(2)(ii), Subpart DD**

**Expired by Mod 1**

**Item 121.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES  
Process: FTS

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 121.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

At the discretion of the owner or operator, one or a combination of off-site material management units may be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683 when these units meet the condition that the total annual quantity of HAP contained in the off-site material placed in the units exempted under this paragraph (b)(2)(ii) is less than 1 megagram per year. For the off-site material management units selected by the owner or operator to be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683, the owner or operator must meet the requirements in paragraphs (b)(2)(ii)(A) and (b)(2)(ii)(B) of 40 CFR 63.683. An owner or operator may change the off-site material management units selected to be exempted under this paragraph (b)(2)(ii) by preparing a new designation for the exempt-units as required by paragraph (b)(2)(ii)(A) of 40 CFR 63.683 and performing a new determination as required by paragraph (b)(2)(ii)(B) of 40 CFR 63.683.

(A) The owner or operator must designate each of the off-site material management units selected by the owner or operator to be exempt under paragraph (b)(2)(ii) of 40 CFR 63.683 by either submitting to the Administrator a written notification identifying the exempt-units or permanently marking the exempt-units at the plant site. If



an owner or operator chooses to prepare and submit a written notification, this notification must include a site plan, process diagram, or other appropriate documentation identifying each of the exempt-units. If an owner or operator chooses to permanently mark the exempt-units, each exempt-unit must be marked in such a manner that it can be readily identified as an exempt-unit from the other off-site material management units located at the plant site.

(B) The owner or operator must prepare an initial determination of the total annual HAP quantity in the off-site material placed in the units exempted under this paragraph (b)(2)(ii). This determination is based on the total quantity of the HAP listed in Table 1 of 40 CFR 63.683 as determined at the point where the off-site material is placed in each exempted unit. The owner or operator must perform a new determination whenever the extent of changes to the quantity or composition of the off-site material placed in the exempted units could cause the total annual HAP content in the off-site material to exceed 1 megagram per year. The owner or operator must maintain documentation to support the most recent determination of the total annual HAP quantity. This documentation must include the basis and data used for determining the HAP content of the off-site material.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: WASTE MATERIAL  
Upper Permit Limit: 1 Megagrams (10\*\*6 grams) per year  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: ANNUAL TOTAL  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 122: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.683(c), Subpart DD**

**Expired by Mod 1**

**Item 122.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES  
Process: FTS

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP



**Item 122.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Applicable Federal Requirement: 40CFR 63.683(c), Subpart DD

Monitoring Description:

For each process vent that is part of an affected source and that is not exempt under 63.683(c)(2), the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous

air pollutant (VOHAP) concentration of each off-site

material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the

point-of-delivery. The owner or operator shall perform

an initial determination of the average VOHAP

concentration of

Parameter Monitored: HAP

Upper Permit Limit: 500 parts per million by weight

Reference Test Method: 40 CFR 63

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 1-203: Compliance Certification  
Effective for entire length of Permit**

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

**Item 1-203.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Process: KFR



**Item 1-203.2:**

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: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-204: Compliance Certification**  
**Effective for entire length of Permit**

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

**Item 1-204.1:**



The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Process: PSH

**Item 1-204.2:**

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: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 123: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**



**Applicable Federal Requirement:40CFR 63.683(b)(2)(ii), Subpart DD**

**Expired by Mod 1**

**Item 123.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

Process: ULF

Regulated Contaminant(s):

CAS No: ONY100-00-0 HAP

**Item 123.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For each process vent that is part of an affected source, the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the point-of-delivery.

The owner or operator shall perform an initial determination of the average VOHAP concentration of each off-site material stream using the procedures specified in 40 CFR 63.694(b) before the first time any portion of the off-site material is placed in the unit. Thereafter, the owner or operator shall review and update, as necessary, this determination every 12 months following the date of the initial determination for the off-site material stream.

Parameter Monitored: HAP

Upper Permit Limit: 500 parts per million by weight

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 124: Compliance Certification**

**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.683(b)(2)(ii), Subpart DD**

**Expired by Mod 1**

**Item 124.1:**

The Compliance Certification activity will be performed for:



Emission Unit: M-ISCES  
Process: ULF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 124.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

At the discretion of the owner or operator, one or a combination of off-site material management units may be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683 when these units meet the condition that the total annual quantity of HAP contained in the off-site material placed in the units exempted under this paragraph (b)(2)(ii) is less than 1 megagram per year. For the off-site material management units selected by the owner or operator to be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683, the owner or operator must meet the requirements in paragraphs (b)(2)(ii)(A) and (b)(2)(ii)(B) of 40 CFR 63.683. An owner or operator may change the off-site material management units selected to be exempted under this paragraph (b)(2)(ii) by preparing a new designation for the exempt-units as required by paragraph (b)(2)(ii)(A) of 40 CFR 63.683 and performing a new determination as required by paragraph (b)(2)(ii)(B) of 40 CFR 63.683.

(A) The owner or operator must designate each of the off-site material management units selected by the owner or operator to be exempt under paragraph (b)(2)(ii) of 40 CFR 63.683 by either submitting to the Administrator a written notification identifying the exempt-units or permanently marking the exempt-units at the plant site. If an owner or operator chooses to prepare and submit a written notification, this notification must include a site plan, process diagram, or other appropriate documentation identifying each of the exempt-units. If an owner or operator chooses to permanently mark the exempt-units, each exempt-unit must be marked in such a manner that it can be readily identified as an exempt-unit from the other off-site material management units located at the plant site.

(B) The owner or operator must prepare an initial determination of the total annual HAP quantity in the off-site material placed in the units exempted under this paragraph (b)(2)(ii). This determination is based on the



total quantity of the HAP listed in Table 1 of 40 CFR 63.683 as determined at the point where the off-site material is placed in each exempted unit. The owner or operator must perform a new determination whenever the extent of changes to the quantity or composition of the off-site material placed in the exempted units could cause the total annual HAP content in the off-site material to exceed 1 megagram per year. The owner or operator must maintain documentation to support the most recent determination of the total annual HAP quantity. This documentation must include the basis and data used for determining the HAP content of the off-site material.

Work Practice Type: PROCESS MATERIAL THRUPUT  
Process Material: WASTE MATERIAL  
Upper Permit Limit: 1 Megagrams (10\*\*6 grams) per year  
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Averaging Method: ANNUAL TOTAL  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2002.  
Subsequent reports are due every 6 calendar month(s).

**Condition 125: Compliance Certification**  
**Effective between the dates of 09/30/2003 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 63.683(c), Subpart DD**

**Expired by Mod 1**

**Item 125.1:**

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES  
Process: ULF

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 125.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Applicable Federal Requirement: 40CFR 63.683(c), Subpart DD

Monitoring Description:

For each process vent that is part of an affected source and that is not exempt under 63.683(c)(2),



the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the point-of-delivery. The owner or operator shall perform an initial determination of the average VOHAP concentration of each off-site material stream using the procedures specified in 40 CFR 63.694(b) before the first time any portion of the off-site material is placed in the unit. Thereafter, the owner or operator shall review and update, as necessary, this determination every 12 months following the date of the initial determination for the off-site material stream.

Upper Permit Limit: 500 parts per million by weight

Reference Test Method: 40 cfr 63

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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

**Condition 1-205: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement:40CFR 63.685(g)(1), Subpart DD**

**Item 1-205.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-TANKS

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-205.2:**

Compliance Certification shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any facility controlling HAP emissions from a tank by venting to a control device shall cover the tank with a fixed roof which meets the following requirements:

- 1) The fixed roof and its closure devices shall be designed to form a continuous barrier over the entire surface area of the liquid in the tank.
- 2) Each opening in the fixed roof not vented to the control device shall be equipped with a closure device. If the pressure in the vapor headspace underneath the fixed roof is less than atmospheric pressure when the closure device is operating, the closure devices shall be designed to operate such that when the closure device is secured in the closed position there are no visible cracks, holes, gaps, or other open spaces in the closure device or between the perimeter of the cover opening and the closure device. If the pressure in the vapor headspace underneath the fixed roof is equal to or greater than atmospheric pressure when the control device is operating, the closure device shall be designed to operate with no detectable organic emissions.
- 3) The fixed roof and its closure devices shall be made of suitable materials that will minimize exposure of the off-site material to the atmosphere, to the extent practical, and will maintain the integrity of the equipment throughout its intended service life. Factors to be considered when selecting the materials for and designing the fixed roof and closure devices shall include: organic vapor permeability, the effects of any contact with the liquid and its vapor managed in the tank; the effects of outdoor exposure to wind, moisture, and sunlight; and the operating practices used for the tank on which the fixed roof is installed.
- 4) The closed-vent system and control device shall be designed and operated in accordance with 40 CFR 63.693 - Standards: Closed-vent systems and control devices.

The fixed roof shall be inspected and monitored in accordance with the requirements in 40 CFR 63.695(b)(3).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.



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

**Condition 1-206: Compliance Certification  
Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.685(g)(2), Subpart DD**

**Item 1-206.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-TANKS

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-206.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Whenever off-site waste material is in the tank, the fixed roof shall be installed with each closure device secured in the closed position and the vapor headspace underneath the fixed roof vented to the control device except as follows:

1) Venting to the control device is not required, and opening of closure devices or removal of the fixed roof is allowed at the following times:

- to provide access to the tank for performing routine inspection, maintenance, or other activities needed for normal operations. Examples of such activities include those times when a worker needs to open a port to sample liquid in the tank, or when a worker needs to open a hatch to maintain or repair equipment. Following completion of the activity, the owner/operator shall promptly secure the closure device in the closed position or reinstall the cover, as applicable, to the tank.

- to remove accumulated sludge or other residues from the bottom of the tank.

2) Opening of a safety device, as defined in §63.681, is allowed at any time conditions require it to do so to avoid an unsafe condition.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.



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

**Condition 1-207: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.695(b)(3), Subpart DD**

**Item 1-207.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-TANKS

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-207.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facilities that use a tank equipped with a fixed roof in accordance with §63.685(g) shall meet the following requirements:

- 1) The fixed roof and its closure devices shall be visually inspected by the owner/operator to check for defects that could result in air emissions. Defects include, but are not limited to, visible cracks, holes, or gaps in the roof sections or between the roof and the separator wall; broken, cracked, or otherwise damaged seals or gaskets on closure devices; and broken or missing hatches, access covers, caps, or other closure devices. In the case when a tank is buried partially or entirely underground, inspection is required only for those portions of the cover that extend to or above the ground surface, and those connections that are on such portions of the cover (e.g., fill ports, access hatches, gauge wells, etc.) and can be opened to the atmosphere.
- 2) The facility must perform an initial inspection following installation of the fixed roof. Thereafter, the owner/operator must perform the inspections at least once every calendar year except as provided for in §63.695(f).
- 3) In the event that a defect is detected, the owner/operator shall repair the defect in accordance with the requirements of §63.695(b)(4).
- 4) The owner/operator shall maintain a record of the inspection in accordance with §63.696(e).

Monitoring Frequency: ANNUALLY



Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-208: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.695(b)(4), Subpart DD**

**Item 1-208.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-TANKS

Regulated Contaminant(s):

CAS No: 0NY100-00-0 HAP

**Item 1-208.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner/operator shall repair each defect detected during an inspection performed in accordance with the requirements of §63.695(b)(1), (2), or (3) in the following manner:

- The owner/operator shall within 45 calendar days of detecting the defect either repair the defect or empty the tank and remove it from service. If within this 45-day period the defect cannot be repaired or the tank cannot be removed from service without disrupting operations at the plant site, the owner/operator is allowed two 30-day extensions. In cases when an owner/operator elects to use a 30-day extension, the owner/operator shall prepare and maintain documentation describing the defect, explaining why alternative storage capacity is not available, and specify a schedule of actions that will ensure that the control equipment will be repaired or the tank emptied as soon as possible.

- When a defect is detected during an inspection of a tank that has been emptied and degassed, the owner/operator shall repair the defect before refilling the tank.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING  
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.



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

**Condition 126: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 126.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-TANKS

Process: HFT

**Item 126.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Storage tanks subject to this requirement, with a capacity of less than 10,000 gallons must be equipped with a conservation vent. The permittee shall visually inspect the conservation vent on an annual basis to ensure proper operation. Inspection records must be maintained on site for a period of 5 years. Records shall contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 127: Compliance Certification**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable Federal Requirement:**

**Expired by Mod 1**

**Item 127.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-TANKS

Process: HFT

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 127.2:**

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 1-209: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 40CFR 63.683(b)(2)(v), Subpart DD**

**Item 1-209.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-TANKS  
Process: HFT

Regulated Contaminant(s):  
CAS No: 0NY100-00-0 HAP

**Item 1-209.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A tank used for bulk feed of off-site material to a waste incinerator is exempted from the requirements specified in §63.683(b)(1) for the control of HAP's if the tank meets all of the following requirements as specified in §63.683(b)(2)(v)(A)-(C):

A) The tank is located inside an enclosure vented to a control device that is designed and operated in accordance with all applicable requirements specified under 40CFR61, subpart FF (National Emission Standards for Benzene Waste Operations) for a facility at which the total annual benzene quantity from the facility waste is equal to or greater than 10 Mg/year;

B) The enclosure and control device serving the tank were installed and began operation prior to July 1, 1996; and

C) The enclosure is designed and operated in accordance with the criteria for a permanent total enclosure as specified in "Procedure T - Criteria for and Verification of a Permanent or Temporary Total Enclosure" under 40CFR52.741, appendix B. The enclosure may have permanent or temporary openings to allow worker access; passage of material into or out of the enclosure by conveyor, vehicles, or other mechanical or electrical equipment; or to direct air flow into the enclosure. The owner/operator must annually perform the verification procedure for the



enclosure as specified in Section 5.0 to "Procedure T - Criteria for and Verification of a Permanent or Temporary Total Enclosure".

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 128: Equipment leak provisions**  
Effective between the dates of 09/30/2003 and Permit Expiration Date

**Applicable Federal Requirement:40CFR 63.683(b)(3), Subpart DD**

**Expired by Mod 1**

**Item 128.1:**

This Condition applies to Emission Unit: S-TANKS  
Process: HWT

**Item 128.2:**

For each equipment component that is part of an affected source and meets all of the following criteria, the owner/operator shall control the HAP emitted from equipment leaks by implementing control measures in accordance with the standards specified in §63.691:

- 1) The equipment component contains or contacts off-site material having a total HAP concentration equal to or greater than 10 percent by weight.
- 2) The equipment piece is a pump, compressor, agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector, or instrumentation system; and
- 3) The equipment piece is intended to operate 300 hours or more during a 12-month period.

**Condition 129: Compliance Certification**  
Effective between the dates of 09/30/2003 and Permit Expiration Date

**Applicable Federal Requirement:40CFR 63.683(d), Subpart DD**

**Expired by Mod 1**

**Item 129.1:**

The Compliance Certification activity will be performed for:

Emission Unit: S-TANKS  
Process: HWT

**Item 129.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

Equipment leak provisions  
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.683(d), Subpart DD

Item 1: This Condition applies to Emission Unit: S-TANKS  
Process: HWT

Item 2:

For each equipment component that is part of an affected source and meets all of the following criteria, the owner/operator shall control the HAP emitted from equipment leaks by implementing control measures in accordance with the standards specified in §63.691:

- 1) The equipment component contains or contacts off-site material having a total HAP concentration equal to or greater than 10 percent by weight.
- 2) The equipment piece is a pump, compressor, agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector, or instrumentation system; and
- 3) The equipment piece is intended to operate 300 hours or more during a 12-month period in off-site material service.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

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



**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 1-210: Contaminant List  
Effective for entire length of Permit**

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

**Item 1-210.1:**

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: 001746-01-6



Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-97-6

Name: MERCURY

CAS No: 007440-02-0

Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

CAS No: 007440-22-4

Name: SILVER

CAS No: 007440-28-0

Name: THALLIUM

CAS No: 007440-36-0

Name: ANTIMONY

CAS No: 007440-38-2

Name: ARSENIC

CAS No: 007440-39-3

Name: BARIUM

CAS No: 007440-41-7

Name: BERYLLIUM

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 007440-50-8

Name: COPPER

CAS No: 007440-66-6

Name: ZINC

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007738-94-5

Name: CHROMIC ACID

CAS No: 007782-49-2

Name: SELENIUM



CAS No: 007782-50-5

Name: CHLORINE

CAS No: 068514-31-8

Name: HYDROCARBONS, C1-4

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

CAS No: 0NY100-00-0

Name: HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

**Condition 131: General Provisions**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable State Requirement:**

**Expired by Mod 1**

**Item 131.1:**

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

**Item 131.2:**

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

**Item 131.3:**

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

**Condition 132: Permit Exclusion Provisions**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**



**Applicable State Requirement:**

**Expired by Mod 1**

**Item 132.1:**

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

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

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

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

**Condition 133: Contaminant List**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable State Requirement:**

**Expired by Mod 1**

**Item 133.1:**

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: 001746-01-6  
Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 007439-92-1  
Name: LEAD



CAS No: 007439-97-6

Name: MERCURY

CAS No: 007440-02-0

Name: NICKEL METAL AND INSOLUBLE COMPOUNDS

CAS No: 007440-22-4

Name: SILVER

CAS No: 007440-28-0

Name: THALLIUM

CAS No: 007440-36-0

Name: ANTIMONY

CAS No: 007440-38-2

Name: ARSENIC

CAS No: 007440-39-3

Name: BARIUM

CAS No: 007440-41-7

Name: BERYLLIUM

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 007440-50-8

Name: COPPER

CAS No: 007440-66-6

Name: ZINC

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007738-94-5

Name: CHROMIC ACID

CAS No: 007782-49-2

Name: SELENIUM

CAS No: 007782-50-5

Name: CHLORINE

CAS No: 068514-31-8

Name: HYDROCARBONS, C1-4



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

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

CAS No: 0NY100-00-0  
Name: HAP

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

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

**Condition 1-211: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 211.2**

**Item 1-211.1:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 1-211.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall comply with: the Fugitive Dust Control Plan (FDCP) revisions identified in Sci-Tech, Inc.'s December 14, 2001 report of their evaluation of the 1995 FDCP in conjunction with the existing 1995 FDCP.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

**Condition 1-212: Compliance Demonstration**  
**Effective for entire length of Permit**

**Applicable State Requirement:6NYCRR 212.3(a)**

**Item 1-212.1:**



The Compliance Demonstration activity will be performed for:

Emission Unit: K-ILNSG

Process: KHF

Regulated Contaminant(s):

CAS No: 007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS
CAS No: 007440-22-4	SILVER
CAS No: 007440-28-0	THALLIUM
CAS No: 007440-39-3	BARIUM
CAS No: 007440-50-8	COPPER
CAS No: 007440-66-6	ZINC
CAS No: 007738-94-5	CHROMIC ACID
CAS No: 007782-49-2	SELENIUM
CAS No: 007440-36-0	ANTIMONY

**Item 1-212.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Limits for these contaminants are the Part 373 permit, Module V limits.

The degree of air cleaning required by Part 212.3 (a) under Part 212, Table 2, is "specified by the commissioner" since each of these contaminants has an ERP < 1 lb/hr. The Department shall let the degree of air cleaning specified by the commissioner equal the Part 373 permit limits.

Monitoring frequency: per the Part 373 permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 135: Compliance Demonstration**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable State Requirement:**

**Expired by Mod 1**

**Item 135.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00001

**Item 135.2:**

Compliance Demonstration shall include the following monitoring:



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point shall control emissions that contain

toxic metals in accordance with Table 212.9(b) (99%).

This limit shall be met by limiting and monitoring the total

feed of toxic metals to the kiln(including the contribution from

shale) and the DRE in the most recent stack test to confirm

compliance, once during the permit and at the discretion

of the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

**Condition 136: Compliance Demonstration**  
**Effective between the dates of 06/06/2002 and Permit Expiration Date**

**Applicable State Requirement:**

**Expired by Mod 1**

**Item 136.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: K-ILNSG

Emission Point: 00002

**Item 136.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This emission point shall control emissions that contain toxic metals in accordance with Table 212.9(b) (99%). This limit shall be met by limiting and monitoring the total feed of toxic metals to the kiln(including the contribution from shale) and the DRE in the most recent stack test to confirm compliance, once during the permit and at the discretion of the Department.

Monitoring Frequency: MONTHLY

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

**New York State Department of Environmental Conservation**

**Permit ID: 4-0103-00016/00048**

**Facility DEC ID: 4010300016**



The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016

