



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-0103-00016/00048
Effective Date: 06/06/2002 Expiration Date: 06/06/2007

Permit Issued To: NORLITE LLC
PO BOX 694
COHOES, NY 12047-0694

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

Facility Level

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



DEC GENERAL CONDITIONS

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

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

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department

Applicable State Requirement: ECL 19-0305

Item 1.1:

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

Item 1.2:

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

Item 1.3:

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

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

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

Item 2.1:

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

Condition 3: Applications for Permit Renewals and Modifications

Applicable State Requirement: 6 NYCRR 621.13 (a)

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

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

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 4 Headquarters
Division of Environmental Permits
1150 North Westcott Rd.
Schenectady, NY 12306-2014
(518) 357-2069

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: NORLITE LLC
PO BOX 694
COHOES, NY 12047-0694

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

Authorized Activity By Standard Industrial Classification Code:
3241 - CEMENT, HYDRAULIC

Permit Effective Date: 06/06/2002

Permit Expiration Date: 06/06/2007

SAPA Extended Begin Date: 06/07/2007



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.5: Sealing
- 2 6 NYCRR 200.6: Acceptable ambient air quality
- 3 6 NYCRR 200.7: Maintenance of equipment
- 4 6 NYCRR 201-1.2: Unpermitted Emission Sources
- 5 6 NYCRR 201-1.5: Emergency Defense
- 6 6 NYCRR 201-1.7: Recycling and Salvage
- 7 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the Air
- 8 6 NYCRR 201-1.10 (b): Public Access to Recordkeeping for Title V facilities
- 9 6 NYCRR 201-3.2 (a): Proof of Eligibility
- 10 6 NYCRR 201-3.3 (a): Proof of Eligibility
- 11 6 NYCRR Subpart 201-6: Applicable Criteria, Limits, Terms, Conditions and Standards
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- 13 6 NYCRR Subpart 201-6: Compliance Requirements
- 14 6 NYCRR Subpart 201-6: Federally-Enforceable Requirements
- 15 6 NYCRR Subpart 201-6: Fees
- 16 6 NYCRR Subpart 201-6: Monitoring, Related Recordkeeping and Reporting Requirements
- 17 6 NYCRR Subpart 201-6: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
- 18 6 NYCRR Subpart 201-6: Permit Shield
- 19 6 NYCRR Subpart 201-6: Property Rights
- 20 6 NYCRR Subpart 201-6: Reopening for Cause
- 21 6 NYCRR Subpart 201-6: Right to Inspect
- 22 6 NYCRR Subpart 201-6: Severability
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 24 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 25 6 NYCRR 201-6.5 (e): Compliance Certification
- 26 6 NYCRR 201-6.5 (f): Compliance Certification
- 27 6 NYCRR 201-6.5 (g): Permit Exclusion Provisions
- 28 6 NYCRR 202-1.1: Required emissions tests
- 29 6 NYCRR 202-2.1: Compliance Certification
- 30 6 NYCRR 202-2.5: Recordkeeping requirements
- 31 6 NYCRR 211.3: Visible emissions limited.
- 32 6 NYCRR 212.6 (a): Compliance Certification
- 33 6 NYCRR 212.11 (a): Sampling and Monitoring
- 34 6 NYCRR Part 215: Open Fires Prohibited at Industrial and Commercial Sites
- 35 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 36 6 NYCRR 225-2.7: Compliance Certification
- 37 40CFR 63.4, Subpart A: Prohibitions
- 38 40CFR 63.10, Subpart A: § 63.10(b) General Recordkeeping Requirements



- 39 40CFR 63.10, Subpart A: §63.10(d) General Reporting Requirements
- 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
- 44 40CFR 82, Subpart F: Recycling and Emissions Reduction

Emission Unit Level

- 45 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 46 6 NYCRR Subpart 201-6: Process Definition By Emission Unit

EU=C-RUSHS,Proc=OOO

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

EU=K-ILNSG

- 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.
- 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=KCC

- 60 6 NYCRR 212.4 (c): Compliance Certification

EU=K-ILNSG,Proc=KNF

- 61 6 NYCRR 212.10 (c): Compliance Certification

EU=K-ILNSG,EP=00001

- 62 6 NYCRR 212.3 (b): Compliance Certification
- 63 6 NYCRR 212.3 (b): Compliance Certification
- 64 6 NYCRR 212.3 (b): Compliance Certification
- 65 6 NYCRR 212.3 (b): Compliance Certification
- 66 6 NYCRR 212.3 (b): Compliance Certification
- 67 6 NYCRR 212.4 (b): Compliance Certification
- 68 6 NYCRR 212.4 (b): Compliance Certification
- 69 6 NYCRR 212.10: Compliance Certification
- 70 6 NYCRR 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=00002

- 87 6 NYCRR 212.3 (b): Compliance Certification
- 88 6 NYCRR 212.3 (b): Compliance Certification
- 89 6 NYCRR 212.3 (b): Compliance Certification
- 90 6 NYCRR 212.3 (b): Compliance Certification
- 91 6 NYCRR 212.3 (b): Compliance Certification
- 92 6 NYCRR 212.3 (b): Compliance Certification
- 93 6 NYCRR 212.4 (b): Compliance Certification
- 94 6 NYCRR 212.4 (b): Compliance Certification
- 95 6 NYCRR 212.4 (b): Compliance Certification
- 96 6 NYCRR 212.4 (b): Compliance Certification
- 97 6 NYCRR 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=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 6 NYCRR 212.4 (c): 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=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,Proc=HFT

126 6 NYCRR 229.3 (e) (2) (v): Compliance Certification

127 6 NYCRR 229.5 (d): 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

130 6 NYCRR 201-1.4: Unavoidable noncompliance and violations

131 6 NYCRR Subpart 201-5: General Provisions

132 6 NYCRR Subpart 201-5: Permit Exclusion Provisions

133 6 NYCRR 201-5.3 (b): Contaminant List

134 6 NYCRR 211.2: Air pollution prohibited

Emission Unit Level

EU=K-ILNSG,EP=00001

135 6 NYCRR 212.4 (b): Compliance Demonstration

EU=K-ILNSG,EP=00002

136 6 NYCRR 212.4 (b): Compliance Demonstration



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

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

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

Applicable Federal Requirement:6 NYCRR 200.5

Item 1.1:

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

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

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

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

Applicable Federal Requirement:6 NYCRR 200.6

Item 2.1:

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

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

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



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

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

Applicable Federal Requirement:6 NYCRR 200.7

Item 3.1:

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

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

Condition 4: Unpermitted Emission Sources
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.2

Item 4.1:

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

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

Condition 5: Emergency Defense
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 201-1.5

Item 5.1:

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

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



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

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

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

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

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

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

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

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

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

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

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 6.1:

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

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

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 7.1:

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



them to the outdoor atmosphere.

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

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

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

Item 8.1:

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

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

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

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

Condition 9: Proof of Eligibility
Effective between the dates of 06/06/2002 and Permit Expiration Date

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

Item 9.1:

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

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

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



Item 10.1:

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

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

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

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 11.1:

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

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

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

Item 11.2:

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

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

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 12.1:

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



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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 13.1:

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

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

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

Item 13.2:

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

Item 13.3:

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

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

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 14.1:

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

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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:6 NYCRR Subpart 201-6

Item 15.1:

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

Condition 16: Monitoring, Related Recordkeeping and Reporting Requirements
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 16.1:

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

Condition 17: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 17.1:

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

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

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6



Item 18.1:

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

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

Condition 19: Property Rights

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 19.1:

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

Condition 20: Reopening for Cause

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 20.1:

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

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

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

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

Item 20.2:

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

Item 20.3:

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

Condition 21: Right to Inspect

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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

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

Condition 22: Severability

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

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

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

Condition 23: Emission Unit Definition

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



Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

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

Emission Unit: 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:

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 HAZARDOUS WASTES AND NON-HAZARDOUS WASTE OILS, NATURAL GAS, AND NOS. 2, 4 AND/OR 6 FUEL OILS AS FUEL SOURCES.

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:

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, FUTURE SCREEN, CONVEYOR AND PELLETIZER, AND QUARRY OPERATIONS.

Building(s): B1
B2
B3
B4
B5

Item 23.4:

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:

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

**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 24: Compliance Certification

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

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

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.

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

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

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

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

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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 on the same day each year

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

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

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

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).

Modification".
Rather, it
pursuant to the
and
requirement;
to existing
permit
and are not
permit.

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

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 201-6.5(f).

This plan does not address those types of changes that the Part 201-6.7(d) "Significant Permit addresses changes that qualify, as minor modifications criteria specified by 6 NYCRR, Part 201-6.7(c)(1)(i)

(1) Do not violate any applicable

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

(B) Protocol for Changes:

(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

relocation of any emission source, process,

(i) the installation or or emission point within a facility;

air pollutant not previously authorized or

(ii) the emission of any emitted in accordance with a permit issued by the Department;

alteration of any air cleaning

(iii) the installation or installation, device or control equipment.

permit modification, in order to

(3) The Department may require a 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:6 NYCRR 201-6.5 (g)

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.

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

Applicable Federal Requirement:6 NYCRR 202-1.1

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.

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

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 29.1:

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The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 30: Recordkeeping requirements
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 30.1:

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

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

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

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

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

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

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

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

Applicable Federal Requirement:6 NYCRR 211.3

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.

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

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

Applicable Federal Requirement:6 NYCRR 212.6 (a)

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 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:6 NYCRR 212.11 (a)

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.

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

Applicable Federal Requirement:6 NYCRR Part 215

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.

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

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

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

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

Applicable Federal Requirement:6 NYCRR 225-2.7

Item 36.1:

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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 calander 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 37: Prohibitions

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

Applicable Federal Requirement:40CFR 63.4, Subpart A

Item 37.1:

The facility is required to comply with Part 63 requirements regardless of whether those requirements have been included in a Title V (6NYCRR part 201-6) permit for the source.

Intentional or unintentional concealment of an emission that would otherwise violate a standard is itself a violation.

Condition 38: § 63.10(b) General Recordkeeping Requirements

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

Applicable Federal Requirement:40CFR 63.10, Subpart A

Item 38.1:

The owner or operator of an affected source subject to the provisions of this part shall maintain files of all information (including all reports and notifications) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance,

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corrective action, report or record. At a minimum the most recent 2 years of data shall be retained on site. The owner or operator of an affected source subject to the provisions of this part shall maintain relevant records for such source as described in 40 CFR 63.10 (b)(2).

Condition 39: §63.10(d) General Reporting Requirements
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.10, Subpart A

Item 39.1:

The owner or operator of an affected source subject to the reporting requirements under the general provisions shall submit reports to the Department in accordance with the reporting requirements in the relevant standards as described in 40 CFR 63.10 (d).

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

Applicable Federal Requirement:40CFR 63, Subpart EEE

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.

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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

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

Item 42.1:

The Compliance Certification activity will be performed for the Facility.

Item 42.2:

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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

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:

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



- 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)



**** Emission Unit Level ****

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

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

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 45.1:

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:

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.): 4734.3 NYTME (km.): 606.196

Emission Point: 00046
Height (ft.): 12 Diameter (in.): 7
NYTMN (km.): 4734.339 NYTME (km.): 606.168

Emission Point: 00047
Height (ft.): 12 Diameter (in.): 7
NYTMN (km.): 4734.343 NYTME (km.): 606.164

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Emission Point: 00048
Height (ft.): 12 Diameter (in.): 7
NYTMN (km.): 4734.345 NYTME (km.): 606.162

Emission Point: 00049
Height (ft.): 12 Diameter (in.): 7
NYTMN (km.): 4734.349 NYTME (km.): 606.156

Emission Point: 00050
Height (ft.): 10 Length (in.): 18 Width (in.): 16
NYTMN (km.): 4734.351 NYTME (km.): 606.152

Item 45.3:

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.): 4734.223 NYTME (km.): 606.041

Condition 46: Process Definition By Emission Unit
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 46.1:

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:

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

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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:

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. THE
OPERATIONS OF THE CEDAR RAPIDS PORTABLE
CRUSHER (PRTJC) WILL BE RESTRICTED TO 6 AM
- 9 PM MONDAY THROUGH SATURDAY.

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:

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.
PRODUCTION OF EXPANDED AGGREGATE IN ROTARY
KILNS USING NATURAL SHALE AS THE RAW
MATERIAL FEED AND HAZARDOUS AND
NON-HAZARDOUS WASTE OILS, NATURAL GAS, AND
NOS. 2, 4 AND/OR 6 FUEL OILS AS FUEL
SOURCES.

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 46.5:

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 AND HAZARDOUS WASTE.

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 46.6:

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 AND NON-HAZARDOUS WASTE,
NATURAL GAS, OR NOS. 2, 4 AND 6 FUEL
OILS..

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:

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 46.8:

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 46.9:

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 46.10:

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 46.11:

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 46.12:

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 46.13:

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 46.14:

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 46.15:

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 (6x9,516 GALLON). 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: 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: T100A - Process
Design Capacity: 9,516 gallons

Emission Source/Control: T100B - Process
Design Capacity: 9,516 gallons

Emission Source/Control: T100C - Process
Design Capacity: 9,516 gallons



Emission Source/Control: T200A - Process
Design Capacity: 9,516 gallons

Emission Source/Control: T200B - Process
Design Capacity: 9,516 gallons

Emission Source/Control: T200C - Process
Design Capacity: 9,516 gallons

Item 46.16:

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 (3x27,652 GALLON AND 1x22,700
GALLON). 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: 27,652 gallons

Emission Source/Control: HWOT2 - Process
Design Capacity: 27,652 gallons

Emission Source/Control: HWOT3 - Process
Design Capacity: 27,652 gallons

Emission Source/Control: HWOT4 - Process
Design Capacity: 27,675 gallons

Item 46.17:

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 46.18:

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 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

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 48: Operating requirements
Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1206, Subpart EEE

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

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

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

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 52: Compliance Certification

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

Applicable Federal Requirement:40CFR 63.1210, Subpart EEE

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

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

Item 54.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

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:

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

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

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

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

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).

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



Condition 60: Compliance Certification
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.4 (c)

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 61: Compliance Certification
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.10 (c)

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:

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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 09/29/2003

Applicable Federal Requirement: 6 NYCRR 212.3 (b)

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% O₂)

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

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

Applicable Federal Requirement:6 NYCRR 212.3 (b)

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 with in 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 drop 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:6 NYCRR 212.3 (b)

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00001

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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 09/29/2003

Applicable Federal Requirement: 6 NYCRR 212.3 (b)

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.

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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 09/29/2003

Applicable Federal Requirement:6 NYCRR 212.3 (b)

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 67: Compliance Certification
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 67.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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:6 NYCRR 212.4 (b)

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

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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:6 NYCRR 212.10

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:6 NYCRR 212.10 (c)

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:

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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 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

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% O₂

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

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

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00001

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00001

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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% O₂)

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

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% O₂)

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

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.

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



Upper Permit Limit: 230 parts per million by volume
(dry, corrected to 7% O₂)

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

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).

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

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

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

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

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.

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



Item 81.8:

The permittee must submit to the NYSDEC a notification of intention to conduct the cpt at least 60 (Sixty) calender 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

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) calender 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

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.

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

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), 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 85: Compliance Certification
Effective between the dates of 09/30/2003 and Permit Expiration Date

Applicable Federal Requirement:40CFR 63.1211, Subpart EEE

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.

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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

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 87: Compliance Certification
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.3 (b)

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

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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:6 NYCRR 212.3 (b)

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 09/29/2003

Applicable Federal Requirement:6 NYCRR 212.3 (b)

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00002

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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% O₂)

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 09/29/2003

Applicable Federal Requirement: 6 NYCRR 212.3 (b)

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.

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



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: 6 NYCRR 212.3 (b)

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:

SO2 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).

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Condition 92: Compliance Certification
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.3 (b)

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 93: Compliance Certification
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 212.4 (b)

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:

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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:6 NYCRR 212.4 (b)

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:6 NYCRR 212.4 (b)

Item 95.1:

The Compliance Certification activity will be performed for:

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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 09/30/2002

Applicable Federal Requirement:6 NYCRR 212.4 (b)

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

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Applicable Federal Requirement:6 NYCRR 212.10 (c)

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 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

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

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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% O₂

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

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

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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

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)

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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

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

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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

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% O₂)
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.

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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

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% O₂)

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

Item 104.1:

The Compliance Certification activity will be performed for:

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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% O₂)

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

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

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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

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).

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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

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

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

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

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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

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

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

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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

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

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 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

Item 114.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES



Process: DRS

Regulated Contaminant(s):
CAS No: ONY100-00-0 TOTAL 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

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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

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

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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

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

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:

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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:6 NYCRR 212.4 (c)

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

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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 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

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 TOTAL 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: TOTAL 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

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 TOTAL 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

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 TOTAL 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: TOTAL 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 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

Item 123.1:

The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES
Process: ULF

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

Item 123.2:

Compliance Certification shall include the following monitoring:

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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: TOTAL 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

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 TOTAL 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.

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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

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 TOTAL 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 126: Compliance Certification
Effective between the dates of 06/06/2002 and Permit Expiration Date

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

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

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Condition 127: Compliance Certification
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR 229.5 (d)

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 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

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

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 ******

Condition 130: Unavoidable noncompliance and violations
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable State Requirement: 6 NYCRR 201-1.4

Item 130.1:

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

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

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

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

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



malfunction condition subject to this paragraph.

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

Condition 131: General Provisions
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR Subpart 201-5

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:6 NYCRR Subpart 201-5

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:6 NYCRR 201-5.3 (b)

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: 007440-38-2
Name: ARSENIC

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

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 007782-50-5
Name: CHLORINE

CAS No: 068527-16-2
Name: HYDROCARBONS C1-3

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

New York State Department of Environmental Conservation

Permit ID: 4-0103-00016/00048

Facility DEC ID: 4010300016



CAS No: 0NY100-00-0

Name: TOTAL HAP

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY998-00-0

Name: VOC

Condition 134: Air pollution prohibited
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 211.2

Item 134.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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

Condition 135: Compliance Demonstration
Effective between the dates of 06/06/2002 and Permit Expiration Date

Applicable State Requirement:6 NYCRR 212.4 (b)

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: 6 NYCRR 212.4 (b)

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.

The initial report is due 7/30/2002.

Subsequent reports are due every 1 calendar month(s).

