

Air -> 2002 Permit -> 2002.06.07 Air Permit

FILE

New York State Department of Environmental Conservation

Division of Environmental Permits, Region 4

1150 North Westcott Road, Schenectady, New York 12306-2014

Phone: (518) 357-2069 • FAX: (518) 357-2460

Website: www.dec.state.ny.us



Erin M. Crotty
Commissioner

June 7, 2002

Timothy F. Lachell
Norlite Corporation
628 South Saratoga Street
Cohoes, NY 12047

Re: Permit #4-0103-00016/00048
Cohoes (C), Albany County

Dear Mr. Lachell :

The permit you applied for is enclosed. Please read it carefully and note the special conditions that are included in it. The permit is valid for only those activities expressly authorized therein. Work beyond the scope of the permit and the approved project plans may be considered a violation of the law and subject to appropriate enforcement action. Should you object to the permit as issued and are unable to resolve such objections with this office you may, within 30 calendar days of this transmittal, send a written request for a hearing to the attention of the Regional Permit Administrator.

If this permit is associated with a project that will entail construction of new pollution control facilities, or is a modification to existing facilities, the plans for the system design must be approved by this Department or if indicated in the permit by either the NYS Department of Health or delegated local Health Department.

Please note the expiration date of the permit. If you need additional time to complete your project you must submit your request in writing prior to expiration of the permit. Provide an explanation of why additional time is needed, and how much additional time you are requesting. Applications for the permit renewal must be made in advance of the expiration date. Please refer to the general conditions listed in the permit for specific instructions. The number(s) listed above pertain(s) to this permit and should be referenced on all correspondence related to this permit and any future applications for permits associated with this facility or project.

If you have any questions on the extent of the work authorized, or your obligations under the permit, please feel free to contact me.

Sincerely,

William J. Clarke

William J. Clarke
Regional Permit Administrator
Division of Environmental Permits
Region 4

New York State Department of Environmental Conservation
Facility DEC ID: 4010300016



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 CORP
628 S SARATOGA ST
COHOES, NY 12047-4644

Contact: TIMOTHY F. LACHELL
NORLITE CORPORATION
628 SOUTH SARATOGA STREET
COHOES, NY 12047

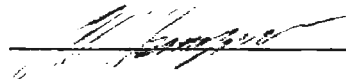
Facility: NORLITE CORP
628 S SARATOGA ST
COHOES, NY 12047

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
1150 NORTH WESTCOTT RD
SCHENECTADY, NY 12306-2014

Authorized Signature:



Date: 06/06/02



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



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- 2 Relationship of this Permit to Other Department Orders and Determinations
- 2 Applications for Permit Renewals and Modifications
- 3 Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

- 3 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: 6NYCRR 621.13(a)

Item 3.1:

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

Item 3.2:

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

**New York State Department of Environmental Conservation
Facility DEC ID: 4010300016**



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

Item 4.1:

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

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

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

**Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 4
HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)**

Item 5.1:

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

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

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 CORP
628 S SARATOGA ST
COHOES, NY 12047-4644

Contact: TIMOTHY F. LACHELL
NORLITE CORPORATION
628 SOUTH SARATOGA STREET
COHOES, NY 12047

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



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

Condition 1: Sealing
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 3: Maintenance of equipment
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 4: Unpermitted Emission Sources
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 6: Recycling and Salvage
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 8: Public Access to Recordkeeping for Title V facilities
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 9: Proof of Eligibility
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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



New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016

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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 11: Applicable Criteria, Limits, Terms, Conditions and Standards
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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

Condition 24: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 requiremen

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 25: Compliance Certification



Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 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 1/30/03.
Subsequent reports are due on the same day each year

Condition 26: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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:

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



invoke This plan does not address those types of changes that would
to the Part 201-6.7(d) "Significant Permit Modification". Rather, it
addresses changes that qualify, as minor modifications pursuant
to the criteria specified by 6 NYCRR, Part 201-6.7(c)(1)(i) and
(ii):
(1) Do not violate any applicable requirement;
(2) Do not involve significant changes to existing
monitoring, reporting, or record keeping requirements in the permit and are
not otherwise a significant change in the permit.
(B) Protocol for Changes:
(1) Certain changes which meet the criteria under (i) -
(iii) below may be conducted without prior approval of the Department and
shall not require modification of the permit. The facility owner and/or
description of operator must however maintain records of the date and
Department such changes and make such records available for review by
representatives upon request.
(i) changes that do not cause emissions to
exceed any emission limitation contained in regulations or applicable requirements
under 6 NYCRR;



emission unit,
emission
additional
modify a
(b)(1) above,
source,
process,
previously authorized
or
cleaning
in order to
if
it
(2)

(ii) changes which do not cause the subject source, process, or emission point to become subject to any regulations or requirements under 6 NYCRR;

(iii) changes that do not seek to establish or federally-enforceable emission cap or limit.

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

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

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

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

(3) The Department may require a permit modification, impose new applicable requirements or special permit conditions determines that changes proposed pursuant to notification under



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 MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 27: Permit Exclusion Provisions
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 28: Required emissions tests
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 29: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 29.1:

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 06/06/2007



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 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 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 33: Sampling and Monitoring
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 34: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 215.



Applicable Federal Requirement: 6NYCRR 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.

Condition 31: Visible emissions limited.
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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.

Condition 32: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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,



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.

Condition 35: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 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 7/30/02.

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

Condition 36: Compliance Certification



Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 225-2.7

Item 36.1:

The Compliance Certification activity will be performed for the Facility.

Item 36.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Monitoring Description:

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

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 37: Prohibitions

Effective between the dates of 06/06/2002 and 06/06/2007

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 06/06/2007

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, 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 06/06/2007

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 06/06/2007

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 MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 Part 373 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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 42: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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:

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 MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 43: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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:

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



- 40 CFR 63.9(g)(1)
- 40 CFR 63.9(b)(3)
- 40 CFR 63.9(1210)(d)
- 40 CFR 63.1207(j)
- 40 CFR 63.9(h)
- 40 CFR 63.10(d)(2)
- 40 CFR 63.10(e)(2)
- 40 CFR 63.1206(b)(6)
- 40 CFR 63.9(j)

(b) Notification of intent to comply

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

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

(d) Notification of compliance:

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

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

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.



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

Condition 44: Recycling and Emissions Reduction
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 40CFR 82, Subpart F

Item 44.1:

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

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

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

Condition 45: Emission Point Definition By Emission Unit
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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

New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 **Facility DEC ID: 4010300016**



Height (ft.): 120 Diameter (in.): 48
NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 00002
Height (ft.): 120 Diameter (in.): 48
NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 0003A
Height (ft.): 87 Diameter (in.): 45
NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 0003B
Height (ft.): 87 Diameter (in.): 45
NYTMN (km.): 4734. NYTME (km.): 606.2

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. NYTME (km.): 606.2

Emission Point: 00046
Height (ft.): 12 Diameter (in.): 7
NYTMN (km.): 4734. NYTME (km.): 606.2

Emission Point: 00047
Height (ft.): 12 Diameter (in.): 7
NYTMN (km.): 4734. NYTME (km.): 606.2

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

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

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

Item 45.3:

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



Emission Unit: S-TANKS

Emission Point: 00019

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

Condition 46: Process Definition By Emission Unit
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 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

New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016



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: BKMSPP - 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 06/06/2007

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 06/06/2007

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 06/06/2007

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 06/06/2007

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)(6)(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 MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
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 06/06/2007



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 06/06/2007

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 MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 53: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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 06/06/2007



Applicable Federal Requirement: 40CFR 63.1211, Subpart EEE

Item 54.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

40CFR 63.1211(a), Subpart EEE

Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG

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

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 55: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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:



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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 56: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 57: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



Condition 58: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 60: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 212.4(c)

Item 60.1:

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
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 7/30/02.

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

Condition 61: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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:

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 7/30/02.
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: 6NYCRR 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 7/30/02.
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 63: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 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 7/30/02.

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

Condition 64: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)



Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00001

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 64.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The total chlorine fed to the kiln (including the contribution from
the shale) shall not exceed 73 pounds per hour.

Manufacturer Name/Model Number: NA

Parameter Monitored: CHLORINE

Upper Permit Limit: 73 pounds per hour

Reference Test Method: METHOD 26A

Monitoring Frequency: AS REQUIRED - SEE 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 7/30/02.

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: 6NYCRR 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.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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: 6NYCRR 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)

New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016



Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 1 calendar month(s).

Condition 67: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 67.1:
The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00001

Item 67.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No waste or combination of waste and fuel, as fed to the kilns, shall exceed the design thermal capacity of 62 MBTU/ hr.

Manufacturer Name/Model Number: NA

Reference Test Method: ASTM

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

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

(INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 68: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 69: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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:

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 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 71: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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

Reference Test Method: EPA Method 0023A

Monitoring Frequency: AS REQUIRED - SEE 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 7/30/02.

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

Condition 72: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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 7/30/02.

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

Condition 73: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

Applicable Federal Requirement: 40CFR 63.1205(a)(3), Subpart EEE

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 7/30/02.

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

Condition 74: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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

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 7/30/02.

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

Condition 75: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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):

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 7/30/02.
Subsequent reports are due every 1 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 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 7/30/02.
Subsequent reports are due every 1 calendar month(s).

Condition 77: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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.

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)

New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016



Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 78: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 7/30/02.

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

Condition 79: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007



Applicable Federal Requirement: 40CFR 63.1205(c)(1), NESHAP 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 7/30/02.

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

Condition 80: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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

This facility may not burn dioxin-listed designated hazardous wastes: FO20, FO21, FO22, FO23, FO26 or FO27.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Reporting Requirements: MONTHLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
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 06/06/2007**

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.



Item 81.8:

The permittee must submit to the NYSDEC a notification of intention to conduct the cpt at least 60 (Sixty) calendar days before the test is scheduled to begin.

Condition 82: Types of performance tests - (2) Confirmatory performance test (ct)
Effective between the dates of 09/30/2003 and 06/06/2007

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) calendar days before the test is scheduled to begin.

Item 82.6:

The NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 30 (Thirty) calendar days after receipt of the original plans.

Condition 83: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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.



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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 84: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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), he permittee must submit to the NYSDEC a notification of intention to conduct the CT Test and a CMS performance evaluation and test plan and CMS performance evaluation plan at least 60 (Sixty) calender days before the test is scheduled to begin.

Item 6:

As required by 40 CFR 63.1207(d)(3), he NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 30 (Thirty) calendar days after receipt of the original

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 85: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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:

New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016



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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 86: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 87: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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

Upper Permit Limit: 73 pounds per hour

Reference Test Method: METHOD 26A

Monitoring Frequency: AS REQUIRED - SEE 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 7/30/02.

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

Condition 88: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 7/30/02.

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

New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016



Condition 89: Compliance Certification
Effective between the dates of 06/06/2002 and 09/29/2003

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00002

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 89.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

This emission point shall not discharge particulate matter in excess of 0.08 grains per dry standard cubic foot, corrected to 7% oxygen in the stack gas in accordance with the formula specified in 6NYCRR Part 374-1.8(f)

Upper Permit Limit: 0.08 grains per dry standard cubic foot
(corrected to 7% 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 7/30/02.

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: 6NYCRR 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.

Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 91: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 7/30/02.
Subsequent reports are due every 1 calendar month(s).

Condition 92: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 MONITORING DESCRIPTION
Reporting Requirements: MONTHLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 1 calendar month(s).

Condition 93: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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:

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 7/30/02.
Subsequent reports are due every 1 calendar month(s).

Condition 94: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 7/30/02.

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

Condition 95: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 212.4(b)

Item 95.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00002

Item 95.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility shall control the emissions of toxic metals from this emission point by limiting the total feed rate of each metal into the kiln.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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: 6NYCRR 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 7/30/02.

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

Condition 97: Compliance Certification

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 98: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 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)

New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016



Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 99: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 METHOD
INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 100: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 101: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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 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 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 102: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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.
The initial report is due 7/30/02.
Subsequent reports are due every 1 calendar month(s).

Condition 103: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 06/06/2007

Applicable Federal Requirement: 40CFR 63.1205(a)(6), Subpart EEE



Item 104.1:

The Compliance Certification activity will be performed for:

Emission Unit: K-ILNSG Emission Point: 00002

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 104.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

EMISSION LIMIT FOR HCL and CL2: KILN 2

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrochloric Acid and Chlorine Gas in excess of 230 ppm by volume, combined emissions, expressed as hydrochloric acid equivalents, dry basis, corrected to 7 percent oxygen.

Upper Permit Limit: 230 parts per million by volume (dry, corrected to 7% 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 7/30/02.

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

Condition 105: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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 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 7/30/02.

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

Condition 106: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

Applicable Federal Requirement: 40CFR 63.1205(c)(1), NESHAP 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 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 107: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 MONITORING DESCRIPTION
Reporting Requirements: MONTHLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
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 06/06/2007

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 06/06/2007

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) calender days before the test is scheduled to begin.

Item 109 .6:

The NYSDEC will notify the permittee of approval or intent to deny approval of the test plan and CMS performance evaluation plan within 30 (Thirty) calendar days after receipt of the original plans.

Condition 110: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007..

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

Item72.1:

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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 111: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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

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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 112: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 113: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 114: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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: 0NY100-00-0 HAP

Item 114.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

At the discretion of the owner or operator, one or a combination of off-site material management units may be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683 when these units meet the condition that the total annual quantity of HAP contained in the off-site material placed in the units exempted under this paragraph (b)(2)(ii) is less than 1 megagram per year. For the off-site material management units selected by the owner or operator to be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683, the owner or operator must meet the requirements in paragraphs (b)(2)(ii)(A) and (b)(2)(ii)(B) of 40 CFR 63.683. An owner or operator may change the off-site material management units selected to be exempted under this paragraph (b)(2)(ii) by preparing a new designation for the exempt-units as required by paragraph (b)(2)(ii)(A) of 40 CFR 63.683 and performing a new determination as required by paragraph (b)(2)(ii)(B) of 40 CFR 63.683.



(A) The owner or operator must designate each of the off-site material management units selected by the owner or operator to be exempt under paragraph (b)(2)(ii) of 40 CFR 63.683 by either submitting to the Administrator a written notification identifying the exempt-units or permanently marking the exempt-units at the plant site. If an owner or operator chooses to prepare and submit a written notification, this notification must include a site plan, process diagram, or other appropriate documentation identifying each of the exempt-units. If an owner or operator chooses to permanently mark the exempt-units, each exempt-unit must be marked in such a manner that it can be readily identified as an exempt-unit from the other off-site material management units located at the plant site.

(B) The owner or operator must prepare an initial determination of the total annual HAP quantity in the off-site material placed in the units exempted under this paragraph (b)(2)(ii). This determination is based on the total quantity of the HAP listed in Table 1 of 40 CFR 63.683 as determined at the point where the off-site material is placed in each exempted unit. The owner or operator must perform a new determination whenever the extent of changes to the quantity or composition of the off-site material placed in the exempted units could cause the total annual HAP content in the off-site material to exceed 1 megagram per year. The owner or operator must maintain documentation to support the most recent determination of the total annual HAP quantity. This documentation must include the basis and data used for determining the HAP content of the off-site material.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: WASTE MATERIAL
Upper Permit Limit: 1 Megagrams (10**6 grams) per year
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: ANNUAL TOTAL
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 115: Equipment leak provisions
Effective between the dates of 09/30/2003 and 06/06/2007

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 06/06/2007

Applicable Federal Requirement: 40CFR 63.683(d), Subpart DD

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 MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
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 06/06/2007

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 06/06/2007

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:

- 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 06/06/2007

Applicable Federal Requirement: 6NYCRR 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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 120: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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 HAP

Item 120.2:

Compliance Certification shall include the following monitoring:



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For each process vent that is part of an affected source, the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the point-of-delivery. The owner or operator shall perform an initial determination of the average VOHAP concentration of each off-site material stream using the procedures specified in 40 CFR 63.694(b) before the first time any portion of the off-site material is placed in the unit. Thereafter, the owner or operator shall review and update, as necessary, this determination every 12 months following the date of the initial determination for the off-site material stream.

Parameter Monitored: HAP

Upper Permit Limit: 500 parts per million by weight

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 121: Compliance Certification

Effective between the dates of 09/30/2003 and 06/06/2007

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 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

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Upper Permit Limit: 1 Megagrams (10**6 grams) per year
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: ANNUAL TOTAL
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 122: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 HAP

Item 122.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Applicable Federal Requirement: 40CFR 63.683(c), Subpart DD

Monitoring Description:

For each process vent that is part of an affected source and that is not exempt under 63.683(c)(2), the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the

point-of-delivery. The owner or operator shall perform an initial determination of the average VOHAP



concentration of

Parameter Monitored: HAP
Upper Permit Limit: 500 parts per million by weight
Reference Test Method: 40 CFR 63
Monitoring Frequency: AS REQUIRED - SEE 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 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 123: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 HAP

Item 123.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:

For each process vent that is part of an affected source, the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the point-of-delivery. The owner or operator shall perform an initial determination of the average VOHAP concentration of each off-site material stream using the procedures specified in 40 CFR 63.694(b) before the first time any portion of the off-site material is placed in the unit. Thereafter, the owner or operator shall review and update, as necessary, this determination every 12 months following the date of the initial determination for the off-site material stream.



Parameter Monitored: HAP
Upper Permit Limit: 500 parts per million by weight
Monitoring Frequency: ANNUALLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 124: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

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 HAP

Item 124.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

At the discretion of the owner or operator, one or a combination of off-site material management units may be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683 when these units meet the condition that the total annual quantity of HAP contained in the off-site material placed in the units exempted under this paragraph (b)(2)(ii) is less than 1 megagram per year. For the off-site material management units selected by the owner or operator to be exempted from the requirements in paragraph (b)(1) of 40 CFR 63.683, the owner or operator must meet the requirements in paragraphs (b)(2)(ii)(A) and (b)(2)(ii)(B) of 40 CFR 63.683. An owner or operator may change the off-site material management units selected to be exempted under this paragraph (b)(2)(ii) by preparing a new designation for the exempt-units as required by paragraph (b)(2)(ii)(A) of 40 CFR 63.683 and performing a new determination as required by paragraph (b)(2)(ii)(B) of 40 CFR 63.683.

(A) The owner or operator must designate each of the off-site material



management units selected by the owner or operator to be exempt under paragraph (b)(2)(ii) of 40 CFR 63.683 by either submitting to the Administrator a written notification identifying the exempt-units or permanently marking the exempt-units at the plant site. If an owner or operator chooses to prepare and submit a written notification, this notification must include a site plan, process diagram, or other appropriate documentation identifying each of the exempt-units. If an owner or operator chooses to permanently mark the exempt-units, each exempt-unit must be marked in such a manner that it can be readily identified as an exempt-unit from the other off-site material management units located at the plant site.

(B) The owner or operator must prepare an initial determination of the total annual HAP quantity in the off-site material placed in the units exempted under this paragraph (b)(2)(ii). This determination is based on the total quantity of the HAP listed in Table 1 of 40 CFR 63.683 as determined at the point where the off-site material is placed in each exempted unit. The owner or operator must perform a new determination whenever the extent of changes to the quantity or composition of the off-site material placed in the exempted units could cause the total annual HAP content in the off-site material to exceed 1 megagram per year. The owner or operator must maintain documentation to support the most recent determination of the total annual HAP quantity. This documentation must include the basis and data used for determining the HAP content of the off-site material.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: WASTE MATERIAL
Upper Permit Limit: 1 Megagrams (10**6 grams) per year
Monitoring Frequency: AS REQUIRED - SEE MONITORING DESCRIPTION
Averaging Method: ANNUAL TOTAL
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/02.
Subsequent reports are due every 6 calendar month(s).

Condition 125: Compliance Certification
Effective between the dates of 09/30/2003 and 06/06/2007

Applicable Federal Requirement: 40CFR 63.683(c), Subpart DD

Item 125.1:
The Compliance Certification activity will be performed for:

Emission Unit: M-ISCES

New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016



Process: ULF

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

Item 125.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Applicable Federal Requirement: 40CFR 63.683(c), Subpart DD

Monitoring Description:

For each process vent that is part of an affected source and that is not exempt under 63.683(c)(2), the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the

point-of-delivery. The owner or operator shall perform an initial determination of the average VOHAP concentration of each off-site material stream using the procedures specified in 40 CFR 63.694(b) before the first time any portion of the off-site material is placed in the unit. Thereafter, the owner or operator shall review and update, as necessary, this determination every 12 months following the date of the initial determination for the off-site material stream.

Upper Permit Limit: 500 parts per million by weight

Reference Test Method: 40 cfr 63

Monitoring Frequency: AS REQUIRED - SEE 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 7/30/02.

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



Condition 126: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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

Condition 127: Compliance Certification
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable Federal Requirement: 6NYCRR 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



New York State Department of Environmental Conservation
Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016

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 06/06/2007

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 06/06/2007

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 MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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 06/06/2007

Applicable State Requirement: 6NYCRR 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 06/06/2007

Applicable State Requirement: 6NYCRR 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 06/06/2007

Applicable State Requirement: 6NYCRR 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

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Permit ID: 4-0103-00016/00048 Facility DEC ID: 4010300016



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 06/06/2007

Applicable State Requirement: 6NYCRR 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: 001746-01-6
Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 007440-38-2
Name: ARSENIC

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

CAS No: 007782-50-5
Name: CHLORINE

CAS No: 0NY100-00-0
Name: HAP

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



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

CAS No: 007439-92-1
Name: LEAD

CAS No: 007439-97-6
Name: MERCURY

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

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

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

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

Condition 134: Air pollution prohibited
Effective between the dates of 06/06/2002 and 06/06/2007

Applicable State Requirement: 6NYCRR 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 06/06/2007

Applicable State Requirement: 6NYCRR 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 MONITORING DESCRIPTION

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/02.

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

Condition 136: Compliance Demonstration

Effective between the dates of 06/06/2002 and 06/06/2007

Applicable State Requirement: 6NYCRR 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,

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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 7/30/02.
Subsequent reports are due every 1 calendar month(s).

Summary of Compliance Requirements

***** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.**

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued

Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material		Units	Monitoring Frequency
				Averaging Method
6NYCRR 201-6.5(c)(3)(ii)				
24	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)
	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.			
				SEMI-ANNUALLY

	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 REQUIREMEN			

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method

6NYCRR 201-6.5(e)

25	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			ANNUALLY (CALENDAR)

COMPLIANCE CERTIFICATIONS SHALL CONTAIN THE FOLLOWING INFORMATION:

- THE IDENTIFICATION OF EACH TERM OR CONDITION OF THE PERMIT THAT IS THE BASIS OF THE CERTIFICATION;
- THE COMPLIANCE STATUS;
- WHETHER COMPLIANCE WAS CONTINUOUS OR INTERMITTENT;
- THE METHOD(S) USED FOR DETERMINING THE COMPLIANCE STATUS OF THE FACILITY, CURRENTLY AND OVER THE REPORTING PERIOD CONSISTENT WITH THE MONITORING AND RELATED RECORDKEEPING AND REPORTING REQUIREMENTS OF THIS PERMIT;
- SUCH OTHER FACTS AS THE DEPARTMENT MAY REQUIRE TO DETERMINE THE COMPLIANCE STATUS OF THE FACILITY AS SPECIFIED IN ANY SPECIAL PERMIT TERMS OR CONDITIONS; AND
- SUCH ADDITIONAL REQUIREMENTS AS MAY BE SPECIFIED ELSEWHERE IN THIS PERMIT RELATED TO COMPLIANCE CERTIFICATION.

COMPLIANCE CERTIFICATIONS SHALL BE SUBMITTED ANNUALLY. CERTIFICATION REPORTS ARE DUE 30 DAYS AFTER THE ANNIVERSARY DATE OF FOUR CONSECUTIVE CALENDAR QUARTERS. THE FIRST REPORT IS DUE 30 DAYS AFTER THE CALENDAR QUARTER THAT OCCURS JUST PRIOR TO THE PERMIT ANNIVERSARY DATE, UNLESS ANOTHER QUARTER HAS BEEN ACCEPTABLE BY THE DEPARTMENT.

ALL COMPLIANCE CERTIFICATIONS SHALL BE SUBMITTED TO THE ADMINISTRATOR (OR HIS OR HER REPRESENTATIVE) AS WELL AS TWO COPIES TO THE DEPARTMENT (ONE COPY TO THE REGIONAL AIR POLLUTION CONTROL ENGINEER (RAPCE) IN THE REGIONAL OFFICE AND ONE COPY TO THE BUREAU OF COMPLIANCE MONITORING AND ENFORCEMENT (BCME) IN THE DEC CENTRAL OFFICE). PLEASE SEND ANNUAL COMPLIANCE CERTIFICATIONS TO CHIEF OF THE STATIONARY SOURCE COMPLIANCE SECTION, THE REGION 2 EPA REPRESENTATIVE FOR THE ADMINISTRATOR, AT THE FOLLOWING ADDRESS:

USEPA REGION 2
AIR COMPLIANCE BRANCH
290 BROADWAY
NEW YORK, NY 10007-1868

THE ADDRESS FOR THE RAPCE IS AS FOLLOWS:

1150 NORTH WESTCOTT ROAD
SCHENECTADY, NY 12308-2014

THE ADDRESS FOR THE BCME IS AS FOLLOWS:

NYSDEC
BUREAU OF COMPLIANCE MONITORING
AND ENFORCEMENT
625 BROADWAY
ALBANY, NY 12233-3258

Summary of Compliance Requirements

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	Process Material	Units		Monitoring Frequency
				Averaging Method
6NYCRR 201-6.5(f)				
26	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)
	MONITORING DESCRIPTION: OPERATIONAL FLEXIBILITY PLAN			AS REQUIRED - SEE MONITORING DESCRIPTION
	(A) PLAN OBJECTIVE: THE OBJECTIVE OF THIS PLAN IS TO MAXIMIZE OPERATIONAL FLEXIBILITY BY BUILDING CAPABILITY INTO THE TITLE V PERMIT FOR THE FACILITY TO MAKE ADMINISTRATIVE AND/OR MINOR CHANGES FOLLOWING A PREESTABLISHED PROTOCOL AS ALLOWED FOR IN 6 NYCRR, PART 201-6.5(F). THIS PLAN DOES NOT ADDRESS THOSE TYPES OF CHANGES THAT WOULD INVOKE THE PART 201-6.7(D) "SIGNIFICANT PERMIT MODIFICATION". RATHER, IT ADDRESSES CHANGES THAT QUALIFY, AS MINOR MODIFICATIONS PURSUANT TO THE CRITERIA SPECIFIED BY 6 NYCRR, PART 201-6.7(C)(1)(I) AND (II): (1) DO NOT VIOLATE ANY APPLICABLE REQUIREMENT; (2) DO NOT INVOLVE SIGNIFICANT CHANGES TO EXISTING MONITORING, REPORTING, OR RECORD KEEPING REQUIREMENTS IN THE PERMIT AND ARE NOT OTHERWISE A SIGNIFICANT CHANGE IN THE PERMIT. (B) PROTOCOL FOR CHANGES: (1) CERTAIN CHANGES WHICH MEET THE CRITERIA UNDER (I) - (III) BELOW MAY BE CONDUCTED WITHOUT PRIOR APPROVAL OF THE DEPARTMENT AND SHALL NOT REQUIRE MODIFICATION OF THE PERMIT. THE FACILITY OWNER AND/OR OPERATOR MUST HOWEVER MAINTAIN RECORDS OF THE DATE AND DESCRIPTION OF SUCH CHANGES AND MAKE SUCH RECORDS AVAILABLE FOR REVIEW BY DEPARTMENT REPRESENTATIVES UPON REQUEST. (I) CHANGES THAT DO NOT CAUSE EMISSIONS TO EXCEED ANY EMISSION LIMITATION CONTAINED IN REGULATIONS OR APPLICABLE REQUIREMENTS UNDER 6 NYCRR; (II) CHANGES WHICH DO NOT CAUSE THE SUBJECT EMISSION UNIT, EMISSION SOURCE, PROCESS, OR EMISSION POINT TO BECOME SUBJECT TO ANY ADDITIONAL REGULATIONS OR REQUIREMENTS UNDER 6 NYCRR; (III) CHANGES THAT DO NOT SEEK TO ESTABLISH OR MODIFY A	****		
	**** No Data			

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				Reporting Frequency
				Monitoring Frequency
				Averaging Method
	Process Material			
(III) CHANGES THAT DO NOT SEEK TO ESTABLISH OR MODIFY A				
FEDERALLY-ENFORCEABLE EMISSION CAP OR LIMIT.				
(2) IN ADDITION TO THE RECORD KEEPING REQUIRED UNDER (B)(1) ABOVE, THE PERMITTEE MUST NOTIFY THE DEPARTMENT IN WRITING AT LEAST 30 CALENDAR DAYS IN ADVANCE OF MAKING CHANGES INVOLVING:				
(I) THE INSTALLATION OR RELOCATION OF ANY EMISSION SOURCE, PROCESS, OR EMISSION POINT WITHIN A FACILITY;				
(II) THE EMISSION OF ANY AIR POLLUTANT NOT PREVIOUSLY AUTHORIZED OR EMITTED IN ACCORDANCE WITH A PERMIT ISSUED BY THE DEPARTMENT;				
(III) THE INSTALLATION OR ALTERATION OF ANY AIR CLEANING INSTALLATION, DEVICE OR CONTROL EQUIPMENT.				
(3) THE DEPARTMENT MAY REQUIRE A PERMIT MODIFICATION, IN ORDER TO IMPOSE NEW APPLICABLE REQUIREMENTS OR SPECIAL PERMIT CONDITIONS IF IT DETERMINES THAT CHANGES PROPOSED PURSUANT TO NOTIFICATION UNDER (2) ABOVE DO NOT MEET THE CRITERIA UNDER (1) OR THE CHANGE MAY HAVE A SIGNIFICANT AIR QUALITY IMPACT. IN SUCH CASES THE DEPARTMENT MAY REQUIRE THAT THE PERMITTEE NOT UNDERTAKE THE PROPOSED CHANGE UNTIL IT COMPLETES A MORE DETAILED REVIEW OF THE POTENTIAL AIR QUALITY IMPACTS AND/OR APPLICABLE REQUIREMENTS. THE DEPARTMENT SHALL RESPOND TO THE PERMITTEE IN WRITING WITH SUCH A DETERMINATION WITHIN 15 DAYS OF RECEIPT OF THE 30 DAY ADVANCE NOTIFICATION FROM THE PERMITTEE. THE DEPARTMENT'S DETERMINATION SHALL INCLUDE A LISTING OF INFORMATION NECESSARY TO FURTHER REVIEW THE PROPOSED CHANGE.				

Summary of Compliance Requirements

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	Process Material	Units		Monitoring Frequency
				Averaging Method
6NYCRR 202-2.1				
29	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			ANNUALLY (CALENDAR)
	EMISSION STATEMENTS SHALL BE SUBMITTED ON OR BEFORE APRIL 15TH EACH YEAR FOR EMISSIONS OF THE PREVIOUS CALENDAR YEAR.			ANNUALLY

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	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
6NYCRR 212.6(a)				
32	OPACITY		20	MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
	****	percent		SEMI-ANNUALLY (CALENDAR)
	****			AS REQUIRED - SEE 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.			6-MINUTE AVERAGE (METHOD 9)
	THE FACILITY OWNER/OPERATOR SHALL CONDUCT A VISIBLE EMISSIONS OBSERVATION (DETERMINING THE PRESENCE OR ABSENCE OF VISIBLE EMISSIONS) OF ALL EMISSION POINTS AND/OR EMISSION SOURCES ONCE PER DAY, DURING DAYLIGHT HOURS, EXCEPT DURING CONDITIONS OF EXTREME WEATHER (FOG, SNOW, RAIN).			
	IF ANY INSTANTANEOUS OBSERVATIONS OF VISIBLE EMISSIONS NOTED ARE GREATER THAN 20%, (EXCEPT THE EMISSION OF UNCOMBINED WATER), THE FACILITY OWNER/OPERATOR WILL IMMEDIATELY INVESTIGATE THE CAUSE AND IMPLEMENT APPROPRIATE CORRECTIVE MEASURES IF NECESSARY. IF UNUSUAL OPACITY CONDITIONS ARE OBSERVED (EXCEPT THE EMISSION OF UNCOMBINED WATER) AFTER THE CORRECTIVE ACTIONS HAVE BEEN TAKEN, THE FACILITY OWNER OR OPERATOR WILL PERFORM A METHOD 9 ANALYSIS OF THE AFFECTED EMISSION POINT OR EMISSION SOURCE AND NOTIFY THE DEPARTMENT OF THE OBSERVATION WITHIN ONE BUSINESS DAY. THE FACILITY OWNER/OPERATOR WILL ALSO SUBMIT THE METHOD 9 RESULTS TO THE DEPARTMENT.			
	DAILY RECORDS OF OBSERVATIONS ARE TO BE MAINTAINED, INCLUDING EXPLANATIONS FOR DAYS WHEN WEATHER CONDITIONS ARE PROHIBITIVE, ON-SITE FOR A PERIOD OF FIVE YEARS.			
	THE DEPARTMENT RESERVED THE RIGHT TO PERFORM OR REQUIRE THE PERFORMANCE OF A METHOD 9 OPACITY EVALUATION.			

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Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
6NYCRR 225-1.2(a)(2)				
35	SULFUR CONTENT **** DISTILLATES - NUMBER 1 AND NUMBER 2 OIL 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.		1.5	WORK PRACTICE INVOLVING SPECIFIC OPERATIONS SEMI-ANNUALLY (CALENDAR) AS REQUIRED - SEE MONITORING DESCRIPTION AVERAGING METHOD - SEE MONITORING DESCRIPTION
6NYCRR 225-2.7				
36	**** **** **** 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'.			RECORD KEEPING/MAINTENANCE PROCEDURES SEMI-ANNUALLY (CALENDAR) PER DELIVERY ****

Summary of Compliance Requirements

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Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
40CFR 63, Subpart EEE				
40	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)
	<p>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.</p> <p>THE MODIFICATION PROCESS WILL FOLLOW PERMIT REVIEW GUIDELINES USED FOR ANY SIGNIFICANT MODIFICATION OF A TITLE V PERMIT.</p> <p>THE FACILITY SHALL MEET THE COMPLIANCE SCHEDULE AS DESCRIBED IN ANY OFFICIALLY ISSUED CHANGES TO THE REGULATION.</p> <p>IF THE REGULATION 40 CFR 63 SUBPART EEE IS VACATED, THE FACILITY SHALL MEET COMPLIANCE UNDER REGULATION 6NYCRR PART 212.</p>			AS REQUIRED - SEE MONITORING DESCRIPTION

40CFR 63.1205(e), Subpart EEE				
41	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE MONITORING DESCRIPTION
	<p>INTERIM COMPLIANCE RELATIVE TO 40 CFR PART 63, SUBPART EEE</p> <p>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-LNSG IN THE OPERATING RECORD, THE PERMITTEE MUST COMPLY WITH ALL OPERATING CONDITIONS AND REQUIREMENTS SET FORTH FOR THIS EMISSION UNIT IN MODULE VII OF THE 6 NYCRR PART 373 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.</p>			AS REQUIRED - SEE MONITORING DESCRIPTION

Summary of Compliance Requirements

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Compliance Assurance Monitoring

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	Process Material		Units	Monitoring Frequency
				Averaging Method

40CFR 63.1205(e), Subpart EEE

42	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)
	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			AS REQUIRED - SEE MONITORING DESCRIPTION

Summary of Compliance Requirements

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	Process Material	Units		Monitoring Frequency
				Averaging Method

40CFR 63.1210, Subpart EEE

43	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)

63.1210(A) SUMMARY OF REQUIREMENTS:

THE OWNER OR OPERATOR OF THIS FACILITY SHALL SUBMIT THE NOTICES REQUIRED BY THE FOLLOWING REGULATIONS:

- 40 CFR 63.9(B)
- 40 CFR 63.1210(B)
- 40 CFR 63.1210(C)
- 40 CFR 63.9(D)
- 40 CFR 63.1207(E)
- 40 CFR 63.9(E)
- 40 CFR 63.9(G)(1)
- 40 CFR 63.9(B)(3)
- 40 CFR 63.9(1210)(D)
- 40 CFR 63.1207(J)
- 40 CFR 63.9(H)
- 40 CFR 63.10(D)(2)
- 40 CFR 63.10(E)(2)
- 40 CFR 63.1206(B)(6)
- 40 CFR 63.9(J)

AS REQUIRED - SEE MONITORING DESCRIPTION

(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)

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				Reporting Frequency
				Monitoring Frequency
				Averaging Method
	Process Material		Units	
	40 CFR 63.1210(D)(1)(III)			
	40 CFR 63.1210(D)(2)			
	40 CFR 63.1210(D)(3)			

Emission Unit: C-RUSHS Process: OOO

40CFR 60.672(c), Subpart OOO

47	OPACITY		15	MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
	****	percent		UPON REQUEST BY REGULATORY AGENCY
	****			SINGLE OCCURRENCE
<p>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.</p>				6-MINUTE AVERAGE (METHOD 9)

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				Reporting Frequency	Monitoring Frequency
				Averaging Method	
Emission Unit: K-ILNSG					
40CFR 63.1206(b), Subpart EEE					
50	****				RECORD KEEPING/MAINTENANCE PROCEDURES

	****				SEMI-ANNUALLY (CALENDAR)
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).					AS REQUIRED - SEE MONITORING DESCRIPTION

(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)					

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				Averaging Method
	Process Material			
	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 CORRE 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)(II)(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)(II)
- 40CFR 63.1206(B)(9)(I)(A)
- 40CFR 63.1206(B)(9)(I)(B)
- 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)

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
	Process Material		Units	Monitoring Frequency
				Averaging Method
	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 RESIDENSE 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)			
	40CFR 63.1210, Subpart EEE			
52	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE 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.			

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG				
40CFR 63.1210, Subpart EEE				
53	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE MONITORING DESCRIPTION
	THE PERMITTEE MUST SUBMIT THE FINAL NIC TO THE NYSDEC BY OCTOBER 2, 2000, AS PER 63.1210(B).			SINGLE OCCURRENCE

Summary of Compliance Requirements

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Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material		Units	Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG				
40CFR 63.1211, Subpart EEE				
54	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE MONITORING DESCRIPTION
40CFR 63.1211(A), SUBPART EEE				
COMPLIANCE CERTIFICATION ACTIVITY WILL BE PERFORMED FOR:				
EMISSION UNIT: K-ILNSG				

<p>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).</p>				

Summary of Compliance Requirements

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Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type	
				Reporting Frequency	Monitoring Frequency
				Units	
				Averaging Method	
Emission Unit: K-ILNSG					
40CFR 63.1211, Subpart EEE					
55	****				RECORD KEEPING/MAINTENANCE PROCEDURES

	****				AS REQUIRED - SEE 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.					

Summary of Compliance Requirements

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Location 628 S SARATOGA ST COHOES, NY 12047

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG				
40CFR 63.1211, Subpart EEE				
56	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE MONITORING DESCRIPTION
40CFR 63.1211(A), SUBPART EEE				
EMISSION UNIT: K-ILNSG				
AS REQUIRED - SEE MONITORING DESCRIPTION				

<p>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).</p>				
57	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE MONITORING DESCRIPTION
40CFR 63.1211(A), SUBPART EEE				
AS REQUIRED - SEE MONITORING DESCRIPTION				

<p>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.</p>				

Summary of Compliance Requirements

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Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG				
40CFR 63.1211, Subpart EEE				
58	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)
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:				AS REQUIRED - SEE MONITORING DESCRIPTION
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)				

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG				
40CFR 63.1211, Subpart EEE				
59	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)
	40CFR 63.1211(C), SUBPART EEE			
	63.1211(C) SUMMARY OF RECORD KEEPING REQUIREMENTS:			AS REQUIRED - SEE MONITORING DESCRIPTION
	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)			

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Process: KCC				
6NYCRR 212.4(c)				
60	PARTICULATES		0.05	INTERMITTENT EMISSION TESTING
	PARTICULATES	grains per dscf		SEMI-ANNUALLY (CALENDAR)
	****			ONCE DURING THE TERM OF THE PERMIT
	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.			AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Emission Unit: K-ILNSG Process: KNF				
6NYCRR 212.10(c)				
61	****		61	INTERMITTENT EMISSION TESTING
	OXIDES OF NITROGEN	pounds per hour		SEMI-ANNUALLY (CALENDAR)
	****			ONCE DURING THE TERM OF THE PERMIT
	THIS EMISSION POINT SHALL NOT DISCHARGE EMISSIONS THAT CONTAIN OXIDES OF NITROGEN IN EXCESS OF 61 POUNDS PER HOUR.			AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Summary of Compliance Requirements

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Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00001				
6NYCRR 212.3(b)				
62	**** PARTICULATES ****		0.08	INTERMITTENT EMISSION TESTING
		grains per dry standard cubic foot (corrected to 7% O2)		SEMI-ANNUALLY (CALENDAR)
	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)			ONCE DURING THE TERM OF THE PERMIT
				3-HOUR BLOCK AVERAGE
63	SULFUR DIOXIDE SULFUR DIOXIDE ****		30	CONTINUOUS EMISSION MONITORING (CEM)
		pounds per hour		MONTHLY (CALENDAR)
	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.			CONTINUOUS
	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 AVILABLE, 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.			1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency Averaging Method
Emission Unit: K-ILNSG Emission Point: 00001				
6NYCRR 212.3(b)				
64	CHLORINE HYDROGEN CHLORIDE ****		73	MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE MONTHLY (CALENDAR)
	THE TOTAL CHLORINE FED TO THE KILN (INCLUDING THE CONTRIBUTION FROM THE SHALE) SHALL NOT EXCEED 73 POUNDS PER HOUR.			AS REQUIRED - SEE MONITORING DESCRIPTION AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
65	**** HYDROGEN CHLORIDE ****			RECORD KEEPING/MAINTENANCE PROCEDURES MONTHLY (CALENDAR)
	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 ANFD AT THE DISCRETION OF THE DEPARTMENT.			AS REQUIRED - SEE MONITORING DESCRIPTION ****

Summary of Compliance Requirements

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Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00001				
6NYCRR 212.3(b)				
66	**** CHLORINE ****			RECORD KEEPING/MAINTENANCE PROCEDURES MONTHLY (CALENDAR) MONTHLY AVERAGING METHOD - SEE 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.				
6NYCRR 212.4(b)				
67	**** **** ****			RECORD KEEPING/MAINTENANCE PROCEDURES MONTHLY (CALENDAR) PER BATCH OF PRODUCT/RAW MATERIAL CHANGE MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
NO WASTE OR COMBINATION OF WASTE AND FUEL, AS FED TO THE KILNS, SHALL EXCEED THE DESIGN THERMAL CAPACITY OF 62 MBTU/ HR.				

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00001				
6NYCRR 212.4(b)				
68	PRESSURE PARTICULATES ****		10.0	MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE MONTHLY (CALENDAR)
	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.			CONTINUOUS
				3-MINUTE AVERAGE
<hr/>				
6NYCRR 212.10				
69	**** OXIDES OF NITROGEN ****		61	INTERMITTENT EMISSION TESTING SEMI-ANNUALLY (CALENDAR)
	THIS EMISSION POINT SHALL NOT DISCHARGE EMISSIONS THAT CONTAIN OXIDES OF NITROGEN IN EXCESS OF 61 POUNDS PER HOUR.			ONCE DURING THE TERM OF THE PERMIT
				AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter		Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant	Process Material			Reporting Frequency
Units					
Emission Unit: K-ILNSG Emission Point: 00001					
6NYCRR 212.10(c)					
70	****			61	INTERMITTENT EMISSION TESTING
		OXIDES OF NITROGEN	pounds per hour		SEMI-ANNUALLY (CALENDAR)
	****				ONCE DURING THE TERM OF THE PERMIT
		THIS EMISSION POINT SHALL NOT DISCHARGE EMISSIONS THAT CONTAIN OXIDES OF NITROGEN IN EXCESS OF 61 POUNDS PER HOUR.			AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
40CFR 63.1205(a)(1), Subpart EEE					
71	****			0.20	INTERMITTENT EMISSION TESTING
		2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	nanogram toxicity equivalence per dry standard cu meter, corrected to 7% O2		SEMI-ANNUALLY (CALENDAR)
	****				AS REQUIRED - SEE 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 FARENHEIGHT 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.			3-HOUR BLOCK AVERAGE

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency Monitoring Frequency Averaging Method
Emission Unit: K-LNSG Emission Point: 00001				
40CFR 63.1205(a)(2), Subpart EEE				
72	**** MERCURY ****		47	INTERMITTENT EMISSION TESTING SEMI-ANNUALLY (CALENDAR)
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.				ONCE DURING THE TERM OF THE PERMIT AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
40CFR 63.1205(a)(3), Subpart EEE				
73	**** LEAD ****		250	INTERMITTENT EMISSION TESTING SEMI-ANNUALLY (CALENDAR)
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.				ONCE DURING THE TERM OF THE PERMIT AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
COMPLIANCE TESTING SHALL MEET THE REQUIREMENTS AND SCHEDULES OF 40 CFR PART 63.1205, 1207, 1208 AND 1209.				

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter <u>Regulated Contaminant</u> Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00001				
40CFR 63.1205(a)(4), Subpart EEE				
74	**** ARSENIC ****		110	INTERMITTENT EMISSION TESTING
	ARSENIC CAS NO. 007440-38-2 BERYLLIUM CAS NO. 07440-41-7 CHROMIUM CAS NO. 07440-47-3	micrograms per dry standard cubic meter (corrected to 7% oxygen)		SEMI-ANNUALLY (CALENDAR)
	EMISSION LIMITS FOR ARSENIC, BERYLLIUM, AND CHROMIUM: KILN 1			ONCE DURING THE TERM OF THE PERMIT
	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.			AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type	
				Reporting Frequency	Monitoring Frequency
				Averaging Method	
Emission Unit: K-ILNSG Emission Point: 00001					
40CFR 83.1205(a)(5)(i), Subpart EEE					
75	**** CARBON MONOXIDE ****		100	CONTINUOUS EMISSION MONITORING (CEM)	MONTHLY (CALENDAR)
EMISSION LIMIT FOR CARBON MONOXIDE: KILN 1				CONTINUOUS	
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				1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE	
COMPLIANCE TESTING SHALL MEET THE REQUIREMENTS AND SCHEDULING OF 40CFR PART 1205, 1207, 1208 AND 1209.					
40CFR 83.1205(a)(5)(ii), Subpart EEE					
76	**** HYDROCARBONS C1-3 ****		20	CONTINUOUS EMISSION MONITORING (CEM)	MONTHLY (CALENDAR)
EMISSION LIMIT FOR HYDROCARBONS: KILN 1				AS REQUIRED - SEE MONITORING DESCRIPTION	
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 83.1206(B)(7).. THE CO EMISSION LEVEL SHALL BE LESS THAN 100PPM DURING TESTING.				1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE	

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Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter		Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant	Process Material			Reporting Frequency
Emission Unit: K-ILNSG Emission Point: 00001					
40CFR 63.1205(a)(6), Subpart EEE					
77	****			230	INTERMITTENT EMISSION TESTING
		HYDROGEN CHLORIDE		parts per million by volume (dry, corrected to 7% O2)	
	****				SEMI-ANNUALLY (CALENDAR)
		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.			ONCE DURING THE TERM OF THE PERMIT
					AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
40CFR 63.1205(a)(7), Subpart EEE					
78	****			57	INTERMITTENT EMISSION TESTING
		PARTICULATES		milligrams per dry standard cubic meter (corrected to 7% oxygen)	
	****				SEMI-ANNUALLY (CALENDAR)
		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.			ONCE DURING THE TERM OF THE PERMIT
					AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material		Units	Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00001				
40CFR 63.1205(c)(1), Subpart EEE				
79	DESTRUCTION EFFICIENCY	99.99		INTERMITTENT EMISSION TESTING
	****		percent	
	****			SEMI-ANNUALLY (CALENDAR)
	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).			ONCE DURING THE TERM OF THE PERMIT
				MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION

40CFR 63.1205(c)(2), Subpart EEE

80	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			MONTHLY (CALENDAR)
	RESTRICTION ON TYPES OF HAZARDOUS WASTE BURNED: KILN 1			
	THIS FACILITY MAY NOT BURN DIOXIN-LISTED DESIGNATED HAZARDOUS WASTES: F020, F021, F022, F023, F026 OR F027.			AS REQUIRED - SEE MONITORING DESCRIPTION

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type	
				Reporting Frequency	Monitoring Frequency
			Units	Averaging Method	

Emission Unit: K-ILNSG Emission Point: 00001

40CFR 63.1207, Subpart EEE

83	****				RECORD KEEPING/MAINTENANCE PROCEDURES
	****				AS REQUIRED - SEE MONITORING DESCRIPTION
	****				AS REQUIRED - SEE MONITORING DESCRIPTION

TYPES OF PERFORMANCE TESTS -
(1) COMPREHENSIVE PERFORMANCE TEST (CPT)
EFFECTIVE FOR ENTIRE LENGTH OF PERMIT

APPLICABLE FEDERAL REQUIREMENT:
40CFR 63.1207, SUBPART EEE

ITEM 72.1:
THIS CONDITION APPLIES TO
EMISSION UNIT: K-ILNSG
EMISSION POINT: 00001

ITEM 72.2:
AS REQUIRED BY 40CFR 63.1207(B)(1), THE PERMITTEE MUST CONDUCT COMPREHENSIVE PERFORMANCE TESTS (CPT) TO DEMONSTRATE COMPLIANCE WITH THE EMISSION STANDARDS IN 40 CFR 63.1205, ESTABLISH OPERATING LIMITS FOR OPERATING PARAMETERS, AND DEMONSTRATE COMPLIANCE WITH THE PERFORMANCE SPECIFICATIONS FOR CONTINUOUS MONITORING SYSTEMS (CMS).

ITEM 72.3:
AS REQUIRED BY 40CFR 63.1207(C)(1), THE PERMITTEE MUST CONDUCT INITIAL COMPREHENSIVE PERFORMANCE TESTS (CPT) BY MARCH 30, 2003.

ITEM 72.4:
AS REQUIRED BY 40CFR 63.1207(D)(1), THE SUBSEQUENT CPT MUST COMMENCE NO LATER THAN 61 (SIXTY-ONE) MONTHS AFTER THE DATE OF COMMENCING THE PREVIOUS CPT.

ITEM 72.5:
AS REQUIRED BY 40CFR 63.1207(D)(3), THE CPT MUST BE COMPLETED WITHIN THE 60 (SIXTY) DAYS AFTER THE DATE OF COMMENCEMENT UNLESS DEC DETERMINES THAT A TIME EXTENSION IS WARRANTED BASED ON DOCUMENTATION IN WRITING OF FACTORS BEYOND PERMITTEE'S CONTROL THAT PREVENT PERMITTEE FROM MEETING THE 60 DAY DEADLINE.

ITEM 72.6:
AS REQUIRED BY 40CFR 63.1207(E)(1)(I), THE PERMITTEE MUST SUBMIT TO THE NYSDEC A NOTIFICATION OF INTENTION TO CONDUCT A CPT, CMS PERFORMANCE EVALUATION, A SITE SPECIFIC TEST PLAN, AND CMS PERFORMANCE EVALUATION PLAN AT LEAST ONE YEAR BEFORE THE CPT AND CMS PERFORMANCE EVALUATIONS ARE SCHEDULED TO BEGIN.

ITEM 72.7:
AS REQUIRED BY 40CFR 63.1207(E)(1)(I)(A), THE NYSDEC WILL NOTIFY THE PERMITTEE OF APPROVAL OR INTENT TO DENY APPROVAL

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
	Process Material		Units	Averaging Method
<p>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.</p>				
<p>Emission Unit: K-1LNSG Emission Point: 00001</p>				
<p>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) CALENDER DAYS BEFORE THE TEST IS SCHEDULED TO BEGIN.</p>				
84	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE MONITORING DESCRIPTION
	TYPES OF PERFORMANCE TESTS - (2) CONFIRMATORY PERFORMANCE TEST (CT)			
	EFFECTIVE FOR ENTIRE LENGTH OF PERMIT			AS REQUIRED - SEE MONITORING DESCRIPTION
	APPLICABLE FEDERAL REQUIREMENT: 40CFR 63.1207, SUBPART EEE			
	ITEM 1: THIS CONDITION APPLIES TO EMISSION UNIT: K-1LNSG EMISSION POINT: 00002			****
	ITEM 2: AS REQUIRED BY 40 CFR 63.1207(B)(2), THE PERMITTEE MUST CONDUCT CONFIRMATORY PERFORMANCE TESTS (CT) TO DEMONSTRATE COMPLIANCE WITH THE DIOXIN/FURAN EMISSION STANDARDS IN THIS SUBPART, UNDER NORMAL CONDITIONS.			
	ITEM 3: AS REQUIRED BY 40 CFR 63.1207(B)(D)(2), THE SUBSEQUENT CT MUST COMMENCE NO EARLIER THAN 18 MONTHS AND NO LATER THAN 31 (THIRTY-ONE) MONTHS AFTER THE DATE OF COMMENCING THE PREVIOUS CPT.			
	ITEM 4: AS REQUIRED BY 40 CFR 63.1207(D)(3), THE CT MUST BE COMPLETED WITHIN THE 60 (SIXTY) DAYS AFTER THE DATE OF COMMENCEMENT, UNLESS DEC DETERMINES THAT A TIME EXTENSION IS WARRANTED BASED ON DOCUMENTATION IN WRITING OF FACTORS BEYOND PERMITTEE'S CONTROL THAT PREVENT PERMITTEE FROM MEETING THE 60 DAY DEADLINE.			
	ITEM 5: AS REQUIRED BY 40 CFR 63.1207(E)(II), HE PERMITTEE MUST SUBMIT TO THE NYSDEC A NOTIFICATION OF INTENTION TO CONDUCT THE CT TEST AND A CMS PERFORMANCE EVALUATION AND TEST PLAN AND CMS PERFORMANCE EVALUATION PLAN AT LEAST 60 (SIXTY) CALENDER DAYS BEFORE THE TEST IS SCHEDULED TO BEGIN.			
	ITEM 6: AS REQUIRED BY 40 CFR 63.1207(D)(3), HE NYSDEC WILL NOTIFY THE PERMITTEE OF APPROVAL OR INTENT TO DENY APPROVAL OF THE TEST PLAN AND CMS PERFORMANCE EVALUATION PLAN WITHIN 30 (THIRTY) CALENDAR DAYS AFTER RECEIPT OF THE ORIGINAL			

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00001				
40CFR 63.1211, Subpart EEE				
85	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE 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.			AS REQUIRED - SEE MONITORING DESCRIPTION

86	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE 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.			AS REQUIRED - SEE MONITORING DESCRIPTION

Summary of Compliance Requirements

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Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type	
				Reporting Frequency	Averaging Method
Emission Unit: K-ILNSG Emission Point: 00002					
6NYCRR 212.3(b)					
87	CHLORINE HYDROGEN CHLORIDE ****		73	MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE	MONTHLY (CALENDAR)
	THE TOTAL CHLORINE FED TO THE KILN (INCLUDING THE CONTRIBUTION FROM THE SHALE) SHALL NOT EXCEED 73 POUNDS PER HOUR.	pounds per hour		AS REQUIRED - SEE MONITORING DESCRIPTION	AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
88	**** HYDROGEN CHLORIDE ****			RECORD KEEPING/MAINTENANCE PROCEDURES	MONTHLY (CALENDAR)
	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.			PER BATCH OF PRODUCT/RAW MATERIAL CHANGE	****

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00018/00048 Application Recv'd 12/08/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
				Units
Emission Unit: K-ILNSG Emission Point: 00002				
6NYCRR 212.3(b)				
89	**** PARTICULATES ****		0.08	INTERMITTENT EMISSION TESTING
		grains per dry standard cubic foot (corrected to 7% O2)		SEMI-ANNUALLY (CALENDAR)
	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)			ONCE DURING THE TERM OF THE PERMIT
				3-HOUR BLOCK AVERAGE
90	**** HYDROGEN CHLORIDE ****			RECORD KEEPING/MAINTENANCE PROCEDURES
				MONTHLY (CALENDAR)
	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.			AS REQUIRED - SEE MONITORING DESCRIPTION

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency Monitoring Frequency Averaging Method
Emission Unit: K-ILNSG Emission Point: 00002				
8NYCRR 212.3(b)				
91	SULFUR DIOXIDE SULFUR DIOXIDE ****		30 pounds per hour	CONTINUOUS EMISSION MONITORING (CEM) MONTHLY (CALENDAR) CONTINUOUS 1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
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 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 AVILABLE, 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.				
92	**** CHLORINE ****			RECORD KEEPING/MAINTENANCE PROCEDURES MONTHLY (CALENDAR) AS REQUIRED - SEE 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.				

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00002				
6NYCRR 212.4(b)				
93	**** **** ****			RECORD KEEPING/MAINTENANCE PROCEDURES
				MONTHLY (CALENDAR)
	NO WASTE OR COMBINATION OF WASTE AND FUEL, AS FED TO THE KILNS, SHALL EXCEED THE DESIGN THERMAL CAPACITY OF 62 MBTU/ HR.			PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
				MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
94	**** **** ****			RECORD KEEPING/MAINTENANCE PROCEDURES
				MONTHLY (CALENDAR)
	NO WASTE OR COMBINATION OF WASTE AND FUEL, AS FED TO THE KILNS, SHALL EXCEED THE DESIGN THERMAL CAPACITY OF 62 MBTU/ HR.			PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
				MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00002				
6NYCRR 212.4(b)				
95	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			MONTHLY (CALENDAR)
	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.			PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

<hr/>				
96	****			RECORD KEEPING/MAINTENANCE PROCEDURES
	CHLORINE			
	****			MONTHLY (CALENDAR)
	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.			PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00002				
6NYCRR 212.10(c)				
97	OXIDES OF NITROGEN		61	INTERMITTENT EMISSION TESTING
		pounds per hour		SEMI-ANNUALLY (CALENDAR)
THIS EMISSION POINT SHALL NOT DISCHARGE EMISSIONS THAT CONTAIN OXIDES OF NITROGEN IN EXCESS OF 61 POUNDS PER HOUR.				ONCE DURING THE TERM OF THE PERMIT
				AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
40CFR 63.1205(a)(1), Subpart EEE				
98	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		0.20	INTERMITTENT EMISSION TESTING
		nanogram toxicity equivalence per dry standard cu meter, corrected to 7% O2		SEMI-ANNUALLY (CALENDAR)
EMISSIONS LIMITS FOR DIOXINS AND FURANS: KILN 2 EMISSION POINT 00002 SHALL NOT DISCHARGE OR CAUSE COMBUSTION GASES TO BE EMITTED INTO THE ATMOSPHERE THAT CONTAIN DIOXIN AND FURAN D/F EMISSIONS IN EXCESS OF 0.20 NG TEQ/DSCM CORRECTED TO 7 PERCENT OXYGEN. THE COMBUSTION GAS TEMPERATURE AT THE EXIT OF THE LAST COMBUSTION CHAMBER (OR EXIT OF ANY WASTE HEAT RECOVERY SYSTEM) SHALL BE RAPIDLY QUENCHED TO 400 DEGREES FARENHEIGHT 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.				ONCE DURING THE TERM OF THE PERMIT
				3-HOUR BLOCK AVERAGE

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter		Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant	Process Material			Reporting Frequency
Emission Unit: K-ILNSG Emission Point: 00002					
40CFR 63.1205(a)(2), Subpart EEE					
99	****			47	INTERMITTENT EMISSION TESTING
	MERCURY			micrograms per dry standard cubic meter (corrected to 7% oxygen)	SEMI-ANNUALLY (CALENDAR)

	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.				ONCE DURING THE TERM OF THE PERMIT
					AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
40CFR 63.1205(a)(3), Subpart EEE					
100	****			250	INTERMITTENT EMISSION TESTING
	LEAD			micrograms per dry standard cubic meter (corrected to 7% oxygen)	SEMI-ANNUALLY (CALENDAR)

	EMISSION LIMITS FOR LEAD AND CADMIUM: KILN 2				
	CAS NO: 007439-92-1 LEAD CAS NO: 007440-43-9 CADMIUM				ONCE DURING THE TERM OF THE PERMIT
	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.				AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
	COMPLIANCE TESTING SHALL MEET THE REQUIREMENTS AND SCHEDULES OF 40 CFR PART 63.1205, 1207, 1208 AND 1209.				

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-LNSG Emission Point: 00002				
40CFR 63.1205(a)(4), Subpart EEE				
101	**** ARSENIC **** 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.	110	INTERMITTENT EMISSION TESTING SEMI-ANNUALLY (CALENDAR) ONCE DURING THE TERM OF THE PERMIT AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED	
				Units
				micrograms per dry standard cubic meter (corrected to 7% oxygen)

Summary of Compliance Requirements

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Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type	
				Reporting Frequency	Monitoring Frequency
				Units	Averaging Method
Emission Unit: KJLNSG Emission Point: 00002					
40CFR 63.1205(a)(5)(i), Subpart EEE					
102	**** CARBON MONOXIDE ****		100		CONTINUOUS EMISSION MONITORING (CEM)
			parts per million by volume (dry, corrected to 7% O2)		MONTHLY (CALENDAR)
	EMISSION LIMIT FOR CARBON MONOXIDE: KILN 1				CONTINUOUS
	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				1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE
	COMPLIANCE TESTING SHALL MEET THE REQUIREMENTS AND SCHEDULING OF 40CFR PART 1205, 1207, 1208 AND 1209.				
40CFR 63.1205(a)(5)(ii), Subpart EEE					
103	**** HYDROCARBONS C1-3 ****		20		CONTINUOUS EMISSION MONITORING (CEM)
			parts per million by volume (dry, corrected to 7% O2)		MONTHLY (ANNIVERSARY)
	EMISSION LIMIT FOR HYDROCARBONS: KILN 2				CONTINUOUS
	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.				1 HOUR ROLLING AVERAGE ROLLED EVERY 1 MINUTE

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00002				
40CFR 63.1205(a)(6), Subpart EEE				
104	**** HYDROGEN CHLORIDE **** 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.		230	INTERMITTENT EMISSION TESTING SEMI-ANNUALLY (CALENDAR) ONCE DURING THE TERM OF THE PERMIT AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
40CFR 63.1205(a)(7), Subpart EEE				
105	**** PARTICULATES **** EMISSION LIMITS FOR PARTICULATES: KILN 2 THIS EMISSION POINT SHALL NOT DISCHARGE OR CAUSE COMBUSTION GASES TO BE EMITTED INTO THE ATMOSPHERE THAT CONTAINS PARTICULATE MATTER IN EXCESS OF 57 MG PER DRY STANDARD CUBIC METER, CORRECTED TO 7 PERCENT OXYGEN. COMPLIANCE TESTING SHALL MEET THE REQUIREMENTS AND SCHEDULING OF 40CFR PART 1205, 1207, 1208 AND 1209.		57	INTERMITTENT EMISSION TESTING SEMI-ANNUALLY (CALENDAR) ONCE DURING THE TERM OF THE PERMIT AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00002				
40CFR 63.1205(c)(1), Subpart EEE				
106	DESTRUCTION EFFICIENCY **** ****		99.99	INTERMITTENT EMISSION TESTING
		percent		SEMI-ANNUALLY (CALENDAR)
	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).			ONCE DURING THE TERM OF THE PERMIT
				MINIMUM - NOT TO FALL BELOW STATED VALUE - SEE MONITORING DESCRIPTION
40CFR 63.1205(c)(2), Subpart EEE				
107	**** **** ****			RECORD KEEPING/MAINTENANCE PROCEDURES
				MONTHLY (CALENDAR)
	RESTRICTION ON TYPES OF HAZARDOUS WASTE BURNED: KILN 12THIS FACILITY MAY NOT BURN DIOXIN-LISTED DESIGNATED HAZARDOUS WASTES: F020, F021, F022, F023, F026 OR F027.			AS REQUIRED - SEE MONITORING DESCRIPTION

Summary of Compliance Requirements

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Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-ILNSG Emission Point: 00002				
40CFR 63.1207, Subpart EEE				
110	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE MONITORING DESCRIPTION
	TYPES OF PERFORMANCE TESTS - (1) COMPREHENSIVE PERFORMANCE TEST (CPT) EFFECTIVE FOR ENTIRE LENGTH OF PERMIT			AS REQUIRED - SEE MONITORING DESCRIPTION
	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			
**** No Data	A41			

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
<p>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.</p>				
<p>Emission Unit: K-ILNSG Emission Point: 00002</p>				
<p>AS REQUIRED BY 40CFR 63.1207(E)(1)(I)(B), THE PERMITTEE MUST SUBMIT TO THE NYSDEC A NOTIFICATION OF INTENTION TO CONDUCT THE TEST AT LEAST 60 (SIXTY) CALENDER DAYS BEFORE THE TEST IS SCHEDULED TO BEGIN.</p>				
111	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			AS REQUIRED - SEE MONITORING DESCRIPTION
	TYPES OF PERFORMANCE TESTS - (2) CONFIRMATORY PERFORMANCE TEST (CT)			
	EFFECTIVE FOR ENTIRE LENGTH OF PERMIT			AS REQUIRED - SEE MONITORING DESCRIPTION
	APPLICABLE FEDERAL REQUIREMENT: 40CFR 63.1207, SUBPART EEE			
	ITEM 1: THIS CONDITION APPLIES TO EMISSION UNIT: K-ILNSG EMISSION POINT: 00002			****
	ITEM 2: AS REQUIRED BY 40 CFR 63.1207(B)(2), THE PERMITTEE MUST CONDUCT CONFIRMATORY PERFORMANCE TESTS (CT) TO DEMONSTRATE COMPLIANCE WITH THE DIOXIN/FURAN EMISSION STANDARDS IN THIS SUBPART, UNDER NORMAL CONDITIONS.			
	ITEM 3: AS REQUIRED BY 40 CFR 63.1207(B)(D)(2), THE SUBSEQUENT CT MUST COMMENCE NO EARLIER THAN 18 MONTHS AND NO LATER THAN 31 (THIRTY-ONE) MONTHS AFTER THE DATE OF COMMENCING THE PREVIOUS CPT.			
	ITEM 4: AS REQUIRED BY 40 CFR 63.1207(D)(3), THE CT MUST BE COMPLETED WITHIN THE 60 (SIXTY) DAYS AFTER THE DATE OF COMMENCEMENT, UNLESS DEC DETERMINES THAT A TIME EXTENSION IS WARRANTED BASED ON DOCUMENTATION IN WRITING OF FACTORS BEYOND PERMITTEE'S CONTROL THAT PREVENT PERMITTEE FROM MEETING THE 60 DAY DEADLINE.			
	ITEM 5: AS REQUIRED BY 40 CFR 63.1207(E)(II), HE PERMITTEE MUST SUBMIT TO THE NYSDEC A NOTIFICATION OF INTENTION TO CONDUCT THE CT TEST AND A CMS PERFORMANCE EVALUATION AND TEST PLAN AND CMS PERFORMANCE EVLUATION PLAN AT LEAST 60 (SIXTY) CALENDER DAYS BEFORE THE TEST IS SCHEDULED TO BEGIN.			
	ITEM 6: AS REQUIRED BY 40 CFR 63.1207(D)(3), HE NYSDEC WILL NOTIFY THE PERMITTEE OF APPROVAL OR INTENT TO DENY APPROVAL OF THE TEST PLAN AND CMS PERFORMANCE EVALUATION PLAN WITHIN 30 (THIRTY) CALENDAR DAYS AFTER RECEIPT OF THE ORIGINAL			

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
				Units
Emission Unit: K-ILNSG Emission Point: 00002				
40CFR 63.1211, Subpart EEE				
112	****			RECORD KEEPING/MAINTENANCE PROCEDURES
	****			AS REQUIRED - SEE MONITORING DESCRIPTION
	****			AS REQUIRED - SEE 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.			****
<hr/>				
113	****			RECORD KEEPING/MAINTENANCE PROCEDURES
	****			AS REQUIRED - SEE MONITORING DESCRIPTION
	****			AS REQUIRED - SEE 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.			****

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: M-ISCES Process: DRS				
40CFR 63.683(b)(2)(II), Subpart DD				
114	WASTE MATERIAL HAP WASTE MATERIAL		1	WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
		Megagrams (10**6 grams) per year		SEMI-ANNUALLY (CALENDAR)
	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.		AS REQUIRED - SEE MONITORING DESCRIPTION	
	(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.			ANNUAL TOTAL
	(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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Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
Emission Unit: M-ISCES Process: DRS				
40CFR 63.683(d), Subpart DD				
116	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)
	EQUIPMENT LEAK PROVISIONS			
	EFFECTIVE FOR ENTIRE LENGTH OF PERMIT			
	APPLICABLE FEDERAL REQUIREMENT: 40CFR 63.683(D), SUBPART DD			AS REQUIRED - SEE MONITORING DESCRIPTION
	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.			

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: M-JSCES Process: FSH				
6NYCRR 212.4(c)				
119	PARTICULATES		0.05	INTERMITTENT EMISSION TESTING
	PARTICULATES	grains per dscf		SEMI-ANNUALLY (CALENDAR)
	****			ONCE DURING THE TERM OF THE PERMIT
	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.			AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Emission Unit: M-JSCES Process: FTS

40CFR 63.693(b)(2)(ii), Subpart DD

120	HAP		500	INTERMITTENT EMISSION TESTING
	HAP	parts per million by weight		SEMI-ANNUALLY (CALENDAR)
	****			ANNUALLY
	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.			

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: M-SCES Process: FTS				
40CFR 63.683(b)(2)(II), Subpart DD				
121	WASTE MATERIAL HAP WASTE MATERIAL		1	WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
		Megagrams (10**6 grams) per year		SEMI-ANNUALLY (CALENDAR)
	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.		AS REQUIRED - SEE MONITORING DESCRIPTION	
	(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.			ANNUAL TOTAL
	(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.			

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
Emission Unit: M-ISCES Process: FTS				
40CFR 63.683(c), Subpart DD				
122	HAP		500	INTERMITTENT EMISSION TESTING
	HAP	parts per million by weight		
	****			SEMI-ANNUALLY (CALENDAR)
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				
AS REQUIRED - SEE MONITORING DESCRIPTION				
AVERAGING METHOD - SEE MONITORING DESCRIPTION				

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

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Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter		Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant	Process Material			Reporting Frequency
				Units	Monitoring Frequency
					Averaging Method
Emission Unit: M-SCES Process: ULF					
40CFR 63.683(b)(2)(ii), Subpart DD					
123	HAP			500	INTERMITTENT EMISSION TESTING
	HAP		parts per million by weight		SEMI-ANNUALLY (CALENDAR)
	****				ANNUALLY
<p>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:</p> <p>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.</p>					****

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter Regulated Contaminant Process Material	Lower Limit	Upper Limit	Activity Type	
				Reporting Frequency	Monitoring Frequency
				Units	Averaging Method
Emission Unit: M-JSCES Process: ULF					
40CFR 63.683(b)(2)(ii), Subpart DD					
124	WASTE MATERIAL HAP WASTE MATERIAL			1	WORK PRACTICE INVOLVING SPECIFIC OPERATIONS SEMI-ANNUALLY (CALENDAR)
<p>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.</p> <p>(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.</p> <p>(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.</p>					
ANNUAL TOTAL					

Summary of Compliance Requirements

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DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter <u>Regulated Contaminant</u> Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: M-ISCES Process: ULF				
40CFR 63.683(c), Subpart DD				
125	**** HAP ****		500	INTERMITTENT EMISSION TESTING
		parts per million by weight		SEMI-ANNUALLY (CALENDAR)
	APPLICABLE FEDERAL REQUIREMENT: 40CFR 63.683(C), SUBPART DD			AS REQUIRED - SEE MONITORING DESCRIPTION
	MONITORING DESCRIPTION:			AVERAGING METHOD - SEE 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.			

Summary of Compliance Requirements

*** THIS SUMMARY IS NOT ENFORCEABLE BUT IS MERELY INTENDED TO PROVIDE A CONCISE VIEW OF THE MONITORING REQUIREMENTS.

READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. ***

DEC ID 4010300016 Facility NORLITE CORP

Location 628 S SARATOGA ST COHOES, NY 12047

Permit Type ATV Status Issued Permit ID 4-0103-00016/00048 Application Recv'd 12/09/1997

Compliance Assurance Monitoring

Cond Num	Monitored Parameter <u>Regulated Contaminant</u> Process Material	Lower Limit	Upper Limit	Activity Type	
				Reporting Frequency	Averaging Method
Emission Unit: S-TANKS Process: HFT					
6NYCRR 229.3(e)(2)(v)					
126	****			RECORD KEEPING/MAINTENANCE PROCEDURES	
	****			UPON REQUEST BY REGULATORY AGENCY	
	****			ANNUALLY	
	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.				****
6NYCRR 229.5(d)					
127	****			RECORD KEEPING/MAINTENANCE PROCEDURES	
	VOC			UPON REQUEST BY REGULATORY AGENCY	
	****			SINGLE OCCURRENCE	
	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.				****

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter	Lower Limit	Upper Limit	Activity Type
	Regulated Contaminant			Reporting Frequency
	Process Material	Units		Monitoring Frequency
				Averaging Method
Emission Unit: S-TANKS Process: HWT				
40CFR 63.683(d), Subpart DD				
129	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			SEMI-ANNUALLY (CALENDAR)
	EQUIPMENT LEAK PROVISIONS			
	EFFECTIVE FOR ENTIRE LENGTH OF PERMIT			
	APPLICABLE FEDERAL REQUIREMENT: 40CFR 63.683(D), SUBPART DD			AS REQUIRED - SEE MONITORING DESCRIPTION
	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.			

Summary of Compliance Requirements

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Compliance Assurance Monitoring

Cond Num	Monitored Parameter <u>Regulated Contaminant</u> Process Material	Lower Limit	Upper Limit	Activity Type
				Reporting Frequency
				Monitoring Frequency
				Averaging Method
Emission Unit: K-4LNSG Emission Point: 00001				
6NYCRR 212.4(b)				
135	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			MONTHLY (CALENDAR)
	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.			AS REQUIRED - SEE MONITORING DESCRIPTION

Emission Unit: K-4LNSG Emission Point: 00002

6NYCRR 212.4(b)

136	****			RECORD KEEPING/MAINTENANCE PROCEDURES

	****			MONTHLY (CALENDAR)
	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.			MONTHLY

Summary of Compliance Requirements

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READERS ARE DIRECTED TO THE MAIN PERMIT FOR DETAILS REGARDING ENFORCEABLE CONDITIONS. *****

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