



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 5-5205-00013/00058
Effective Date: 02/28/2012 Expiration Date: 02/27/2017

Permit Issued To: LEHIGH NORTHEAST CEMENT COMPANY
313 WARREN ST
GLENS FALLS, NY 12801

Contact: STUART GUNTHER
LEHIGH NORTHEAST CEMENT COMPANY
PO BOX 440 - 313 WARREN ST
GLENS FALLS, NY 12801-0440
(518) 792-1137

Facility: LEHIGH NORTHEAST CEMENT COMPANY
313 WARREN ST
GLENS FALLS, NY 12801

Contact: STUART GUNTHER
LEHIGH NORTHEAST CEMENT COMPANY
PO BOX 440 - 313 WARREN ST
GLENS FALLS, NY 12801-0440
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Description:
The Lehigh Northeast Cement Company, located in Glens Falls, NY, consists of a Portland cement manufacturing operation and an associated quarry. Various types of Portland cements are produced using a combination of limestone, sand gypsum, and other materials of similar chemical composition. These materials are heated in the facility's rotary kiln to form cement clinker, which is cooled and ground to form cement.

Operations at the facility have been broken down into nine (9) emission units, each having related functions and processes, as follows:

- Stone quarrying and preliminary crushing (Emission Unit U-QUARY);
- Raw material storage and handling (Emission Unit U-RMHND);
- Raw material grinding (Emission Unit (U-RAWGR);
- Kiln or pyro-processing system (Emission Unit U-KILN);
- Solid fuel (coal) (Emission Unit U-FUEL);
- Cement clinker transport and storage (Emission Unit U-CLTRN);
- Pre-crusher (Polycom) system (Emission Unit U-PLYCM);
- Finish mill/Product storage (Emission Unit U-FINML); and
- Product packing and loading (Emission Unit U-SHPNG).



Applicable Requirements at the facility-wide level include:

- | | |
|---------------|---------------------------|
| 6 NYCRR 200 | 6 NYCRR 215.2 |
| 6 NYCRR 202-2 | 6 NYCRR 220.4(c) |
| 6 NYCRR 211.2 | 40 CFR 82.106 (SubPart E) |
| 6 NYCRR 211.3 | |

Quarry Operations (Emission Unit U-QUARY) - Lehigh Northeast Cement Company owns and operates a quarry on property adjacent to the manufacturing facility. Limestone is mined from the quarry walls primarily by drilling and blasting into the stone. The fragmented stone loosened from the walls is loaded into large dump trucks using wheel loaders. The rock is transported to a crusher where the size of the mined stone is reduced. The crushed material is transported by conveyor to the stone storage building or storage piles to await further processing or direct sale. Applicable Requirements Include: 6NYCRR 212.3(a).

Raw Material Handling (Emission Unit U-RMHND) - Raw materials (other than limestone) are delivered to the facility via trucks.. These materials are off-loaded for storage using a series of conveyors and wheel loaders and placed in piles. As previously mentioned, limestone and related raw material stone is stored in the stone storage building. A reclaimer is used to recover the piles within the storage building. A series of conveyors are used to transport the raw materials from storage to the raw grinding operation. Applicable Requirements Include: 6 NYCRR 212.3(a).

Raw Material Grinding (Emission Unit U-RAWGR) - After transport from storage, the various raw materials are blended and pulverized in the raw (roller) mill for preparation as a feed mixture for the kilns. When the feed mixture has reached a desired consistency or blend, it is transported to a series of storage silos until it is fed into the kiln for further processing. Applicable Requirements Include: 6 NYCRR 212.3(a).

Kiln (Pyro-processing) System (Emission Unit U-KILN) - The rotary kiln (and its associated clinker cooler) are the primary tools used in the manufacture of Portland cement. Two primary operations occur in this equipment: (1) creation of cement "clinker" in the kilns and (2) cooling of the newly-manufactured clinker for further processing or storage. Raw feed is transported to the kiln from the storage silo. Within the interior of the kiln, temperatures in excess of 2700 deg F create the clinker, consisting of balls of hard, rock-like material, from the raw feed. Coal is the primary fuel used to fire the kiln, with natural gas used as a startup or backup fuel. When the clinker has been fully formed, it is conveyed to the clinker cooler, which consists of a series of grates over which the clinker travels and is exposed to forced ambient air for cooling. The Applicable Requirements Include:

- | | |
|-----------------------|--------------------------|
| 6 NYCRR 212.3(a) | 40 CFR 60.7 (SubPart A) |
| 6 NYCRR 220.3(a) | 40 CFR60.8 (SubPart A) |
| 6 NYCRR 220.6(b)(1) | 40 CFR 60.11 (SubPart A) |
| 6 NYCRR 220.8(a & b) | 40 CFR 60.13 (SubPart A) |
| 6 NYCRR 225-1.2(a)(2) | 40 CFR 60 (SubPart F) |
| 6 NYCRR 204 | 40 CFR 75 |



6 NYCRR 200.6

40 CFR 63

Note: Not all equipment and/or processes within this emission unit are subject to the requirements of 40 CFR 60 (New Source Performance Standards).

Solid Fuel System (Emission Unit U-FUEL) which includes coal - Coal is delivered to the facility via trucks or railcars. The material is unloaded to an outdoor storage pile directly from the truck (through dumping) or using wheel loaders or similar equipment. Coal from the pile is fed into a coal bin to a ball mill (coal mill), which reduces the size of the coal for optimum combustion within the kiln.

Note: The equipment and processes within this emission unit are subject to facility-wide applicable requirements only.

Clinker Transport and Storage (Emission Unit U_CLTRN) - After being cooled within the clinker cooler, the clinker is transported (via conveyors) to a series of storage silo, or in cases of excess production, to an enclosed outdoor storage facility. If for some reason the clinker is found to not meet required specifications, it is sent to one of several outdoor "off-spec" clinker piles, where it is stored until it can be re-used within the manufacturing operation. Applicable Requirements Include:

6 NYCRR 212.3(A)

40 CFR 60.11 (SubPart A)

40 CFR 60.7 (SubPart A)

40 CFR 60 (SubPart F)

40 CFR 60.8 (SubPart A)

Note: Not all equipment and/or processes within this emission unit are subject to the requirements of 40 CFR 60 (New Source Performance Standards).

Pre-crusher (Polycom) System (Emission Unit U-PLYCM) - Prior to entering the finishing stage of the manufacturing process, clinker is conveyed to the pre-crusher or Polycom. This equipment reduces the size of the clinker and allows the mills which produce the finished product (cement) to operate more efficiently. Applicable Requirements Include:

6 NYCRR 212.3(a)

40 CFR 60.11 (SubPart A)

40 CFR 60.7 (SubPart A)

40 CFR 60 (SubPart F)

40 CFR 60.8 (SubPart A)

Note: Not all equipment and/or processes within this emission unit are subject to the requirements of 40 CFR 60 (New Source Performance Standards).

Finish Mill System (Emission Unit U-FINML) - The facility operates two (2) finish mills which process the pre-crushed clinker into saleable product. Clinker is conveyed to the mills where it is mixed with additional solids (such as gypsum, limestone, or other materials) and grinding aids. These additional materials are delivered to the site via trucks, unloaded to storage and conveyed to the finish mills in a manner which is similar to that described in Emission Unit U-RMHND. The Applicable Requirements Include:

6 NYCRR 212.3(a)

40 CFR 60.11. (SubPart A)

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40 CFR 60.7 (SubPart A)
40 CFR 60.8 (SubPart A)

40 CFR 60 (SubPart F)

Note: Not all equipment and/or processes within this emission unit are subject to the requirements of 40 CFR 60 (New Source Performance Standards).

Product Packaging and Loading (Emission Unit U-SHPNG) - The finished cement is stored within two large banks of silos. The finished product is loaded into the silos from the top and withdrawn from the bottom. The finished product may be shipped from the facility in bulk (via railcars or trucks) or packaged.

Applicable Requirements Include:

6 NYCRR 212.3(a)
40 CFR 60.7 (SubPart A)
40 CFR 60.8 (SubPart A)

40 CFR 60.11
40 CFR 60 (SubPart F)

Note: Not all equipment and/or processes within this emission unit are subject to the requirements of 40 CFR 60 (New Source Performance Standards).

Processes at the facility are regulated for emissions of particulates under 6 NYCRR 212 and 6 NYCRR 220 and 40 CFR 60 (SubPart F (where applicable)). Emissions of oxides of nitrogen (NO_x) under 6 NYCRR 220.6(b)(1-3). Emissions of sulfur compounds are indirectly regulated through the sulfur in fuel limits contained in 6 NYCRR 225 and 6 NYCRR 220.6(a).

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: MARC S MIGLIORE
 NYSDEC
 232 GOLF COURSE RD
 WARRENSBURG, NY 12885

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 5 SUBOFFICE - WARRENSBURG



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, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

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.

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted to the Department at least 30 days before expiration of the permit.



Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

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

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

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

Condition 5: Submission of application for permit modification or renewal-REGION 5
SUBOFFICE - WARRENSBURG
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:

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

NYSDEC Regional Permit Administrator
Region 5 Sub-office
Division of Environmental Permits
232 Golf Course Road
Warrensburg, NY 12885-1172
(518) 623-1281

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: LEHIGH NORTHEAST CEMENT COMPANY
313 WARREN ST
GLENS FALLS, NY 12801

Facility: LEHIGH NORTHEAST CEMENT COMPANY
313 WARREN ST
GLENS FALLS, NY 12801

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

Permit Effective Date: 02/28/2012

Permit Expiration Date: 02/27/2017



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 5 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.5 (e): Compliance Certification
- 7 6 NYCRR 202-2.1: Compliance Certification
- 8 6 NYCRR 202-2.5: Recordkeeping requirements
- 9 6 NYCRR 215.2: Open Fires - Prohibitions
- 10 6 NYCRR 200.7: Maintenance of Equipment
- 11 6 NYCRR 201-1.7: Recycling and Salvage
- 12 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 13 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 14 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 15 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 16 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 17 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 18 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 19 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR Subpart 201-6: Emission Unit Definition
- 23 6 NYCRR 201-6.5 (f) (2): Compliance Certification
- 24 6 NYCRR 201-6.5 (g): Non Applicable requirements
- *25 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 26 6 NYCRR 202-1.3: Acceptable procedures
- 27 6 NYCRR 202-1.3: Alternate test methods
- 28 6 NYCRR 202-1.5: Prohibitions
- 29 6 NYCRR 211.1: Air pollution prohibited
- 30 6 NYCRR 212.3 (a): Compliance Certification
- 31 6 NYCRR 212.3 (b): Compliance Certification
- 32 6 NYCRR 212.4 (a): Compliance Certification
- 33 6 NYCRR 212.4 (b): Compliance Certification
- 34 6 NYCRR 212.4 (b): Compliance Certification
- 35 6 NYCRR 212.4 (c): Compliance Certification
- 36 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 37 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 38 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 39 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
- 40 6 NYCRR 243-1.6 (d): Excess emission requirements
- 41 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 42 6 NYCRR 243-8.1: General requirements
- 43 6 NYCRR 243-8.1: Prohibitions



- 44 6 NYCRR 243-8.3: Out of control periods
- 45 6 NYCRR 243-8.5 (d): Quarterly reports
- 46 6 NYCRR 243-8.5 (e): Compliance certification
- 47 6 NYCRR 249.3 (d): Compliance Certification
- 48 40CFR 60.4, NSPS Subpart A: Compliance Certification
- 49 40CFR 60.7(b), NSPS Subpart A: Compliance Certification
- 50 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 51 40CFR 60.7(d), NSPS Subpart A: Compliance Certification
- 52 40CFR 60.7(f), NSPS Subpart A: Compliance Certification
- 53 40CFR 60.13(a), NSPS Subpart A: Compliance Certification
- 54 40CFR 60.13(d), NSPS Subpart A: Compliance Certification
- 55 40CFR 60.13(e), NSPS Subpart A: Compliance Certification
- 56 40CFR 60.13(h), NSPS Subpart A: Compliance Certification
- 57 40CFR 60.65, NSPS Subpart F: Compliance Certification
- 58 40CFR 63.1342, Subpart LLL: Part 63 General Provisions requirements
- 59 40CFR 63.1343(d), Subpart LLL: Compliance Certification
- 60 40CFR 63.1350(i), Subpart LLL: Compliance Certification
- 61 40 CFR Part 64: Compliance Certification
- 62 40CFR 82, Subpart E: Standards for labeling of products using ozone-depleting substances

Emission Unit Level

- 63 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 64 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 65 6 NYCRR Subpart 201-7: Process Permissible Emissions

EU=0-UKILN

- 66 40CFR 63.1342, Subpart LLL: Part 63 General Provisions requirements

EU=0-UKILN,EP=01070

- 67 6 NYCRR 225-2.4 (a): Compliance Certification
- 68 6 NYCRR 249.3 (f): Compliance Certification

EU=0-UKILN,EP=01122

- 69 6 NYCRR 249.3 (f): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 70 ECL 19-0301: Contaminant List
- 71 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 72 6 NYCRR 211.2: Visible Emissions Limited
- 73 6 NYCRR 211.2: Compliance Demonstration
- 74 6 NYCRR 220-1.3 (a): Compliance Demonstration
- 75 6 NYCRR 220-1.3 (b): Compliance Demonstration
- 76 6 NYCRR 220-1.4 (a): Compliance Demonstration
- 77 6 NYCRR 220-1.4 (a): Compliance Demonstration
- 78 6 NYCRR 220-1.4 (b): Compliance Demonstration
- 79 6 NYCRR 220-1.4 (b): Compliance Demonstration
- 80 6 NYCRR 220-1.4 (c): Compliance Demonstration
- 81 6 NYCRR 220-1.6 (a): Compliance Demonstration
- 82 6 NYCRR 220-1.6 (a): Compliance Demonstration

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- 83 6 NYCRR 220-1.6 (a): Compliance Demonstration
- 84 6 NYCRR 220-1.6 (b): Compliance Demonstration
- 85 6 NYCRR 220-1.6 (b) (4): Compliance Demonstration
- 86 6 NYCRR 220-1.7: Compliance Demonstration

NOTE: * preceding the condition number indicates capping.



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is



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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



(NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:
Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 2.1:
The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0303.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 3.1:



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

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

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

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 4.1:

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

Condition 5: Compliance Certification

Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

- (1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
- (2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
- (3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.
- (4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A



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

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

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

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

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).



Condition 6: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

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

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

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

The address for the RAPCE is as follows:

Region 5 Suboffice
232 Golf Course Road
Warrensburg, NY 12885-1172

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2013.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

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 8: Recordkeeping requirements
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(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 9: Open Fires - Prohibitions
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 215.2

Item 9.1:

Except as allowed by Title 6 NYCRR Section 215.3, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

Item 9.2

Per Section 215.3, burning in an open fire, provided it is not contrary to other law or regulation, will be allowed as follows:

- (a) On-site burning in any town with a total population less than 20,000 of downed limbs and branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.
- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by



police or other public safety organization.

(i) Prescribed burns performed according to Part 194 of this Title.

(j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.

(k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.

(l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

Condition 10: Maintenance of Equipment
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

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 11: Recycling and Salvage
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

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

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air



Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

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 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 13.1:

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

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 14.1:

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

Condition 15: Standard Requirement - Provide Information

Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 15.1:

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



Condition 16: General Condition - Right to Inspect
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 16.1:

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

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

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 17.1:

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

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

Condition 18: Off Permit Changes
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit



Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

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

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

Condition 22: Emission Unit Definition

Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 22.1:

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

Emission Unit: 0-UFUEL

Emission Unit Description:

This emission unit consists of all operations and equipment involved in the storage, transfer, and preparation of coal for use in the pyro-processing (kiln) system. Processes include the loading, unloading, hauling, and storage of the fuel and preparation of the fuel (by crushing) for use. A number of processes within this emission unit have been deemed "insignificant" based on guidance contained in 6 NYCRR 201-6 .3(d)(7). See Appendix C.

Item 22.2:

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

Emission Unit: 0-UKILN

Emission Unit Description:

This emission unit consists of all operations and equipment involved in the production of cement clinker by the pyroprocessing (kiln) system. Processes include the transfer and weighing of raw feed, the firing of the kiln, and the transfer of excess cement kiln dust produced by the process. A number of processes within this emission unit have been deemed "insignificant" based on guidance contained in 6 NYCRR 201-6.3 (d) (7).

Building(s): COOLER
KFSILO
PRECIP
PRHEAT

Item 22.3:

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

Emission Unit: U-CLTRN

Emission Unit Description:

This emission unit consists of all operations and equipment involved in the storage and transfer of cement clinker. Processes include material loading, unloading, indoor and outdoor storage and rail and truck loadout. A number of processes within this emission unit have been deemed "insignificant" based on guidance contained in 6 NYCRR 201-6.3 (d) (7).

Building(s): CLSILO
OFFSPC

Item 22.4:

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

Emission Unit: U-FINML

Emission Unit Description:

This emission unit consists of all operations and equipment involved in the finish grinding of cement clinker and other materials within the finish mill. Processes include the storage, transfer, and weighing of materials (clinker and other additives), grinding of the materials, and the transfer and storage of the finished product. A number of processes within this emission unit have been deemed "insignificant" based on guidance contained in 6 NYCRR 201-6.3 (d) (7).

Building(s): FINISH
STSILO

Item 22.5:

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

Emission Unit: U-PLYCM

Emission Unit Description:

This emission unit consists of all operations and equipment involved in the pre-crushing of cement clinker prior to processing in the finish mill system. Processes include the transfer and weighing of the clinker and crushing. A number of processes within this emission unit have been deemed "Insignificant" based on guidance contained in 6 NYCRR 201-6.3(d)(7). See Appendix C.

Building(s): CLSILO
PLYCOM

Item 22.6:

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

Emission Unit: U-QUARY

Emission Unit Description:

This emission unit consists of all operations and equipment associated with the quarry portion of the



facility. Associated sources and emission points include blasting, truck loading/unloading, stone hauling, stone crushing, and material storage/transfer operations. Fugitive emissions within the emission unit include road traffic and storage piles. A number of processes within the emission unit have been deemed "insignificant" based on guidance contained in 6 NYCRR 201-6.3 (d) (7).

Building(s): RAWMAT

Item 22.7:

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

Emission Unit: U-RAWGR

Emission Unit Description:

This emission unit consists of all operations and equipment involved in the production of raw feed for the pyroprocessing (kiln) system. Processes include the transfer, weighing, and mixing of raw materials, the formation of raw feed within the raw mill, and mixing/storage of various types of raw feeds. A number of processes within this emission unit have been deemed "insignificant" based on guidance contained in 6 NYCRR 201-6.3 (d) (7).

Building(s): KFSILO
RAWMAT

Item 22.8:

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

Emission Unit: U-RMHND

Emission Unit Description:

This emission unit consists of all operations and equipment involved in the storage and handling of raw materials (other than quarry stone). These materials are all solids and may consist of iron bearing materials, silica bearing materials, calcium bearing materials or other materials which are similar in chemical and/or physical composition. A number of processes within this emission unit have been deemed "insignificant" based on guidance contained in 6 NYCRR 201-6.3 (d) (7).

Building(s): KFSILO
RAWMAT

Item 22.9:

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

Emission Unit: U-SHPNG

Emission Unit Description:

This emission unit consists of all operations and equipment involved in the packing and bulk shipment of the finished product (cement). Processes include material transfer, weighing, packaging, and the loading of railcars



for bulk shipping. A number of processes within this emission unit have been deemed "insignificant" based on guidance contained in 6 NYCRR 201-6.3 (d) (7).

Building(s): STSILO
WAREPK

Condition 23: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 23.1:

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

Emission Unit: 0-UKILN

Item 23.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Operational Flexibility Plan

I. Protocol Objective

The objective of this condition is to provide operational flexibility at the facility by building into the Title V permit the capability to run trials using alternative fuels or raw materials in its Portland Cement Kiln using a protocol. As provided under 6 NYCRR Part 201-6.5(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.7.

II. Protocol

A. Criteria

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

a. The change is a trial lasting no longer than 45 days, during which an alternative fuel or raw material is fed to the Kiln no more than 30 of those days.



b. All underlying federal and state requirements with which the temporarily changed emission source must comply must exist in the Title V permit with no necessary changes to existing monitoring, reporting, or record keeping requirements.

c. Any temporarily changed emission source(s) shall not be part of a source project that results in a significant net emissions increase that exceeds the New Source Review (NSR) thresholds identified in 6 NYCRR Part 231-2 or 40 CFR 52.21.

d. The proposed alternative fuel or raw material must be determined by NYSDEC to be acceptable in accordance with 6 NYCRR 360-1.15, NYS's Beneficial Use Program. It is the responsibility of the supplier of the alternative fuel and/or raw material to obtain a Beneficial Use Determination (BUD) from the Department prior to the material being brought on site and allowed to be tested.

e. The proposed alternative fuel or raw material must not be a solid waste, as determined pursuant to 40 CFR Part 241. It is the responsibility of the supplier of the alternative fuel and/or raw material to obtain a determination from the USEPA that the material is



- not
being
tested.
- a solid waste prior to the material
brought on site and allowed to be tested.
- f. The proposed alternative fuel or raw material must not be a hazardous waste, pursuant to 40 CFR 261 or 6 NYCRR 371.
- g. The use of the proposed alternative fuel shall not cause the sulfur content in the solid fuel mixture as burned to:
- i. Exceed 2.5 lbs/mmBtu (grab)
- ii. Exceed 1.9 lbs/mmBtu (90-day average)
- iii. Exceed 1.7 lbs/mmBtu (annual average)
- h. If using a SO₂ CEMS to measure emissions of sulfur compounds (expressed as SO₂) from the kiln to the outdoor atmosphere, the provisions of 6 NYCRR 225-1.5(a) must be met. In this case, the sulfur content in the solid fuel mixture limits above may be exceeded.
- i. The storage and handling of the proposed alternative fuel or raw materials shall be conducted such that fugitive emissions are minimized in accordance with 6 NYCRR 211.1 and 211.2.
- j. Estimated kiln stack emissions from use of the proposed alternative fuel or raw material shall not exceed permitted limitations.



k. Mercury content of the proposed alternative fuel may not exceed 8.5E-6 lb/mmBTU which is comparable to the permittee's coal.

l. Vinyl Chloride must not be a constituent of the alternative fuel.

m. The BTU content of the alternative fuel must equal or exceed 4,000 BTU/lb.

B. Minimum Testing Required

1. Trials proposed under the Protocol must include, at a minimum, the following emissions testing:

a. If there is any chlorine present in the proposed alternative fuel or raw material - test for Dioxin/Furan (Total and TEQ) and hydrogen chloride;

b. total hydrocarbons:

c. total filterable particulate matter (PM);

d. metals present in the alternative fuel at a level greater than that in the coal on a lb/mmBtu basis or in the alternative raw material at a level greater than in the current raw materials. At a minimum, the alternative fuel or raw material must be sampled/analyzed for the following metals: arsenic, beryllium, cadmium, chromium, lead, mercury and nickel; and



e. any other contaminant as deemed necessary based on the nature of the specific alternative fuel or raw material.

2. Sampling/analysis of the alternative fuel/raw materials used during the trial sufficient to document its compliance with the permittee's acceptance criteria.

C. Notification Requirements for Trials Proposed under the Protocol

1. The permittee shall notify the Department in writing of the proposed trial at least 30 days prior to its anticipated start date.

2. Notifications made in accordance with this protocol will include the following documentation:

a. Identification of the Title V permit emission unit, process(es), emission sources and emission points affected by the proposed trial;

b. Description of the proposed trial, including but not limited to, the following information:

i. The proposed date(s) and duration of the trial;

ii. Characterization of the material being proposed as an alternative fuel or raw material, including the facility's



- acceptance criteria,
etc.;
- iii. Parameters to be tested/monitored/recorded during the trial;
 - iv. The proposed number of days and rate at which the alternative fuel or raw material will be fed; and
 - v. The proposed method by which the alternative fuel or raw material will be fed to the kiln;
- c. A protocol for any fuel or raw material sampling/analysis and stack emissions testing to be performed during the trial;
 - d. Identification and description of emissions control technology;
 - e. Proposed operating and record keeping procedures necessary to ensure compliance with respect to all state and/or federally applicable requirements;
 - f. Major NSR program non-applicability for NYSDEC review and approval;
 - g. Any other relevant information used to evaluate the proposed trial under the Protocol.

D. Review and Approval of Trials

- 1. The Department must provide written approval to permittee before they may proceed with



the
trial.

2. The Department may require that the permittee not undertake the proposed trial until it completes a more detailed review. The Department's determination shall include a listing of information required for further review, if necessary.

3. The Department may require that the permittee conduct additional fuel/raw material sampling/ analysis and/ or stack emissions testing during the trial.

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

E. Additional Compliance Obligations for Trials Conducted Under this Protocol

1. Upon commencement and for the duration of the trial, the facility shall comply with all applicable requirements and permit conditions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 24: Non Applicable requirements
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 24.1:

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

Condition 25: Capping Monitoring Condition
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 25.1:

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

40 CFR Part 52, Subpart A

Item 25.2:

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

Item 25.3:

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

Item 25.4:

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

Item 25.5:

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

Item 25.6:

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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

Emission Unit: U-CLTRN Emission Point: 0K06A

Emission Unit: U-CLTRN Emission Point: 0K06B

Emission Unit: U-CLTRN Emission Point: 0K06C

Regulated Contaminant(s):
CAS No: 0NY075-00-5 PM-10
CAS No: 0NY075-00-0 PARTICULATES

Item 25.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of particulate matter less than 10 microns (PM-10) is limited to less than 2.38 lb/hr from this process. Fugitive emissions of PM-10 have been estimated at 0.96 lb/hr. The effective cumulative limit is 3.34 lb/hr or 14.63 tpy.

Emissions of Solid Particulate Matter (PM) is limited to less than 2.83 lb/hr from this process. Fugitive emissions of PM have been estimated at 2.74 lb/hr. The effective cumulative limit is 5.57 lb/hr or 24.39 tpy. Initial verification of compliance was by stack test.

Subsequent compliance with these particulate emission standards will be determined by the permittee's observation of the outlet of the emission sources to determine whether or not visible emissions are present. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is greater than or equal to 10%, then corrective actions must be taken as soon as practicable.

The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in



Applicable Federal Requirement:6 NYCRR 211.1

Item 29.1:

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.

Condition 30: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 212.3 (a)

Item 30.1:

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

Emission Unit: 0-UKILN	Emission Point: 01041
Emission Unit: U-CLTRN	Emission Point: 01123
Emission Unit: U-FINML	Emission Point: 04031
Emission Unit: U-FINML	Emission Point: 04032
Emission Unit: U-QUARY	Emission Point: 00902
Emission Unit: U-RAWGR	Emission Point: 01009
Emission Unit: U-SHPNG	Emission Point: 06245
Emission Unit: U-SHPNG	Emission Point: 06255
Emission Unit: U-SHPNG	Emission Point: 06302
Emission Unit: U-SHPNG	Emission Point: 06303
Emission Unit: U-SHPNG	Emission Point: 06304
Emission Unit: U-SHPNG	Emission Point: 06305
Emission Unit: U-SHPNG	Emission Point: 06340
Emission Unit: U-SHPNG	Emission Point: 06375
Emission Unit: U-SHPNG	Emission Point: 07200

Item 30.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions that violate the requirement specified in Table 2 of 6NYCRR Part 212 for the environmental rating issued by the commissioner.

The Department reserves the right to require testing upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 31: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 212.3 (b)

Item 31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN	Emission Point: 01041
Emission Unit: U-CLTRN	Emission Point: 01123
Emission Unit: U-FINML	Emission Point: 04031
Emission Unit: U-FINML	Emission Point: 04032
Emission Unit: U-QUARY	Emission Point: 00902
Emission Unit: U-RAWGR	Emission Point: 01009
Emission Unit: U-SHPNG	Emission Point: 06245
Emission Unit: U-SHPNG	Emission Point: 06255
Emission Unit: U-SHPNG	Emission Point: 06302
Emission Unit: U-SHPNG	Emission Point: 06303
Emission Unit: U-SHPNG	Emission Point: 06304
Emission Unit: U-SHPNG	Emission Point: 06305
Emission Unit: U-SHPNG	Emission Point: 06340
Emission Unit: U-SHPNG	Emission Point: 06375



Emission Unit: U-SHPNG Emission Point: 07200

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

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.150 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.150 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is greater than or equal to 20%, then corrective actions must be taken as soon as practicable. If the source can not achieve an opacity of less than 20% then DEC must be notified within two business days. A stack test protocol must be submitted for approval within 3 weeks of the excess opacity reading. Testing must be completed within 30 days of approval of the stack test protocol.

The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions. If emissions greater than or equal to 20% opacity were observed, then a report of the time and the corrective measures taken, including when they were completed is to be included.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.15 grains per dscf
Reference Test Method: EPA Method 5

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 32: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (a)

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN	Emission Point: 01068
Emission Unit: U-CLTRN	Emission Point: 01118
Emission Unit: U-CLTRN	Emission Point: 01119
Emission Unit: U-CLTRN	Emission Point: 01811
Emission Unit: U-CLTRN	Emission Point: 01812
Emission Unit: U-CLTRN	Emission Point: 01910
Emission Unit: U-CLTRN	Emission Point: 0K06A
Emission Unit: U-CLTRN	Emission Point: 0K06B
Emission Unit: U-CLTRN	Emission Point: 0K06C
Emission Unit: U-PLYCM	Emission Point: 01936
Emission Unit: U-SHPNG	Emission Point: 06059
Emission Unit: U-SHPNG	Emission Point: 07333
Emission Unit: U-SHPNG	Emission Point: 07505

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person will cause or allow emissions that violate the requirement specified in Table 2 of 6NYCRR Part 212 for the environmental rating issued by the



commissioner.

The Department reserves the right to require stack testing upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 33: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 33.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases, liquid particulates and solid particulates with an environmental rating of A where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

The Department reserves the right to require stack testing upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 34: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 212.4 (b)

Item 34.1:

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

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: U-CLTRN Emission Point: 01118



Emission Unit: U-CLTRN	Emission Point: 01119
Emission Unit: U-CLTRN	Emission Point: 01811
Emission Unit: U-CLTRN	Emission Point: 01812
Emission Unit: U-CLTRN	Emission Point: 01910
Emission Unit: U-CLTRN	Emission Point: 0K06A
Emission Unit: U-CLTRN	Emission Point: 0K06B
Emission Unit: U-CLTRN	Emission Point: 0K06C
Emission Unit: U-PLYCM	Emission Point: 01936
Emission Unit: U-SHPNG	Emission Point: 06059
Emission Unit: U-SHPNG	Emission Point: 07333
Emission Unit: U-SHPNG	Emission Point: 07505

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner.

The Department reserves the right to require stack testing upon request.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 35: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement: 6 NYCRR 212.4 (c)

Item 35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-CLTRN	Emission Point: 01118
Emission Unit: U-CLTRN	Emission Point: 01119

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Emission Unit: U-CLTRN	Emission Point: 01811
Emission Unit: U-CLTRN	Emission Point: 01812
Emission Unit: U-CLTRN	Emission Point: 01910
Emission Unit: U-CLTRN	Emission Point: 0K06A
Emission Unit: U-CLTRN	Emission Point: 0K06B
Emission Unit: U-CLTRN	Emission Point: 0K06C
Emission Unit: U-PLYCM	Emission Point: 01936
Emission Unit: U-SHPNG	Emission Point: 06059
Emission Unit: U-SHPNG	Emission Point: 07333
Emission Unit: U-SHPNG	Emission Point: 07505
Emission Unit: U-SHPNG	Emission Point: 07526

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

Item 35.2:

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.

If this condition appears in a Title V permit, and the Department has not otherwise directed the permittee to conduct a stack test, compliance with the 0.050 grains/dscf particulate emission standard will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is greater than or equal to 10%, then correctives actions must be taken as

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Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



soon as practicable. If the source can not achieve an opacity of less than 10% then DEC must be notified within two business days. A stack test protocol must be submitted for approval within 3 weeks of the excess opacity reading. Testing must be completed within 30 days of approval of the stack test protocol.

The semiannual progress report and annual compliance certifications required of all permittees subject to Title V must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions. If emissions greater than or equal to 10% opacity were observed, then a report of the time and the corrective measures taken, including when they were completed is to be included.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 36: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

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

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: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: BITUMINOUS COAL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.9 pounds per million Btus

Monitoring Frequency: PER DELIVERY

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Averaging Method: 90-DAY AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 37: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 37.1:

The Compliance Certification activity will be performed for the Facility.

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: BITUMINOUS COAL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.5 pounds per million Btus

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 38: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

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

Item 38.1:

The Compliance Certification activity will be performed for the Facility.

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

No person will sell, offer for sale, purchase or use any solid fuel which contains sulfur in a quantity exceeding



the following limitation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: BITUMINOUS COAL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.7 pounds per million Btus
Monitoring Frequency: PER DELIVERY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 39: NOx Ozone Season Emission Requirements
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement: 6 NYCRR 243-1.6 (c)

Item 39.1:

As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NOx Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOx Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NOx ozone season is the period beginning May 1 of a calendar year, except as provided in section 243-1.6(c)(2), and ending on September 30 of the same year, inclusive.

A CAIR NOx Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under sections 243-8.1(b)(1), (2), (3), or (7) and for each control period thereafter.

A CAIR NOx Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NOx Ozone Season allowance was allocated.

CAIR NOx Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NOx Ozone Season Allowance Tracking System accounts in accordance with Subparts 243-6, 243-7, and 243-9.

A CAIR NOx Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOx Ozone Season Trading Program. No provision of the CAIR NOx Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under section 243-1.5 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

A CAIR NOx Ozone Season allowance does not constitute a property right.

Upon recordation by the Administrator under Subpart 243-6, 243-7, or 243-9, every allocation, transfer, or deduction of a CAIR NOx Ozone Season allowance to or from a CAIR NOx Ozone



Season source's compliance account is incorporated automatically in any CAIR permit of the source.

Condition 40: Excess emission requirements
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 243-1.6 (d)

Item 40.1:

If a CAIR NO_x Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:

- (1) the owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under section 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and
- (2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

Condition 41: Recordkeeping and reporting requirements
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 243-1.6 (e)

Item 41.1:

Unless otherwise provided, the owners and operators of the CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time before the end of five years, in writing by the department or the Administrator.

- (i) The certificate of representation under section 243-2.4 for the CAIR designated representative for the source and each CAIR NO_x Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such five-year period until such documents are superseded because of the submission of a new certificate of representation under section 243-2.4 changing the CAIR designated representative.
- (ii) All emissions monitoring information, in accordance with Subpart 243-8, provided that to the extent that Subpart 243-8 provides for a three-year period for recordkeeping, the three-year period shall apply.
- (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Ozone Season Trading Program.
- (iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Ozone Season Trading Program.

Condition 42: General requirements
Effective between the dates of 02/28/2012 and 02/27/2017



Applicable Federal Requirement:6 NYCRR 243-8.1

Item 42.1:

The owners and operators, and to the extent applicable, the CAIR designated representative, of a CAIR NOx Ozone Season unit, shall comply with the monitoring, recordkeeping, and reporting requirements as provided in this Subpart and in Subpart H of 40 CFR Part 75. For purposes of complying with such requirements, the definitions in section 243-1.2 and in 40 CFR 72.2 shall apply, and the terms "affected unit," "designated representative," and "continuous emission monitoring system" (or "CEMS") in 40 CFR Part 75 shall be deemed to refer to the terms "CAIR NOx Ozone Season unit," "CAIR designated representative," and "continuous emission monitoring system" (or "CEMS") respectively, as defined in section 243-1.2. The owner or operator of a unit that is not a CAIR NOx Ozone Season unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the same monitoring, recordkeeping, and reporting requirements as a CAIR NOx Ozone Season unit.

'Requirements for installation, certification, and data accounting.' The owner or operator of each CAIR NOx Ozone Season unit shall:

- (1) install all monitoring systems required under this Subpart for monitoring NOx mass emissions and individual unit heat input (including all systems required to monitor NOx emission rate, NOx concentration, stack gas moisture content, stack gas flow rate, CO2 or O2 concentration, and fuel flow rate, as applicable, in accordance with 40 CFR 75.71 and 40 CFR 75.72);
- (2) successfully complete all certification tests required under section 243-8.2 and meet all other requirements of this Subpart and 40 CFR Part 75 applicable to the monitoring systems under paragraph 243-8.1(a)(1); and
- (3) record, report, and quality-assure the data from the monitoring systems under paragraph (a)(1) of this section.

Condition 43: Prohibitions
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 43.1:

No owner or operator of a CAIR NOx Ozone Season unit shall use any alternative monitoring system, alternative reference method, or any other alternative to any requirement of this Subpart without having obtained prior written approval in accordance with section 243-8.6.

No owner or operator of a CAIR NOx Ozone Season unit shall operate the unit so as to discharge, or allow to be discharged, NOx emissions to the atmosphere without accounting for all such emissions in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

No owner or operator of a CAIR NOx Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NOx mass emissions discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart



and 40 CFR Part 75.

No owner or operator of a CAIR NO_x Ozone Season unit shall retire or permanently discontinue use of the continuous emission monitoring system, any component thereof, or any other approved monitoring system under this Subpart, except under any one of the following circumstances:

- (i) during the period that the unit is covered by an exemption under section 243-1.5 that is in effect;
- (ii) the owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this Subpart and 40 CFR Part 75, by the department for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system; or
- (iii) the CAIR designated representative submits notification of the date of certification testing of a replacement monitoring system for the retired or discontinued monitoring system in accordance with section 243-8.2(d)(3)(i).

Condition 44: Out of control periods
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 243-8.3

Item 44.1:

Whenever any monitoring system fails to meet the quality-assurance and quality-control requirements or data validation requirements of 40 CFR Part 75, data shall be substituted using the applicable missing data procedures in Subpart D or Subpart H of, or appendix D or appendix E to, 40 CFR Part 75.

Condition 45: Quarterly reports
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 243-8.5 (d)

Item 45.1:

The CAIR designated representative shall submit quarterly reports, as follows:

If the CAIR NO_x Ozone Season unit is subject to an Acid Rain emissions limitation or a CAIR NO_x emissions limitation or if the owner or operator of such unit chooses to report on an annual basis under this Subpart, the CAIR designated representative shall meet the requirements of Subpart H of 40 CFR Part 75 (concerning monitoring of NO_x mass emissions) for such unit for the entire year and shall report the NO_x mass emissions data and heat input data for such unit, in an electronic quarterly report in a format prescribed by the Administrator, for each calendar quarter beginning with:

(i) for a unit that commences commercial operation before July 1, 2007, the calendar quarter covering May 1, 2008 through June 30, 2008;

(ii) for a unit that commences commercial operation on or after July 1, 2007, the calendar quarter corresponding to the earlier of the date of provisional certification or the applicable deadline for initial certification under section 243-8.1(b), unless that quarter is the third or fourth quarter of 2007 or the first quarter of 2008, in which case reporting shall commence in the quarter covering May 1, 2008 through June 30, 2008.

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The CAIR designated representative shall submit each quarterly report to the Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR 75.73(f).

For CAIR NOx Ozone Season units that are also subject to an Acid Rain emissions limitation or the CAIR NOx Annual Trading Program, CAIR SO2 Trading Program, or the Mercury Reduction Program for Coal-Fired Electric Utility Steam Generating Units (6 NYCRR Part 246), quarterly reports shall include the applicable data and information required by Subparts F through I of 40 CFR Part 75 as applicable, in addition to the NOx mass emission data, heat input data, and other information required by this Subpart.

Condition 46: Compliance certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 243-8.5 (e)

Item 46.1:

The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

- (1) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications;
- (2) for a unit with add-on NOx emission controls and for all hours where NOx data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NOx emissions; and
- (3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NOx emission rate and NOx concentration values substituted for missing data under Subpart D of 40 CFR Part 75 are calculated using only values from a control period and do not systematically underestimate NOx emissions.

Condition 47: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 249.3 (d)

Item 47.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

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Monitoring Description:

Control equipment and other emission reduction methods approved by the Department as BART must be installed and operating no later than January 1, 2014.

BART for PM-10 has been approved as the installation of a baghouse (ES/C 1070D) on the kiln exhaust. This will replace the ESP (ES/C 1070B).

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 48: Compliance Certification

Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.4, NSPS Subpart A

Item 48.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Director, Division of Enforcement and Compliance
Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

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

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



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

Condition 49: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A

Item 49.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01070
Emission Unit: U-CLTRN
Process: K06

Item 49.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 50: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.7(c), NSPS Subpart A

Item 50.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01070

Item 50.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Affected owners or operators shall submit an excess emissions report semi-annually based on the calendar year



(or more frequently as required by the applicable Subpart or the Administrator), to the Administrator. These reports shall be postmarked no later than 30 calendar days following the end of the reporting period, and shall contain the following information:

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

Monitoring Frequency: CONTINUOUS
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement: 40CFR 60.7(d), NSPS Subpart A

Item 51.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01070

Item 51.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

An excess emissions report and/or a summary report, for each pollutant monitored, shall be sent to the Administrator semi-annually (or as required), in the form prescribed in Figure 1 of subdivision 60.7(d).



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 52: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.7(f), NSPS Subpart A

Item 52.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 53: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.13(a), NSPS Subpart A

Item 53.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Item 53.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For the purposes of this section, all continuous monitoring systems required under applicable subparts shall be subject to the provisions of this section upon promulgation of performance specifications for continuous monitoring systems under appendix B to this part and, if the continuous monitoring system is used to demonstrate compliance with emission limits on a continuous basis, appendix F to this part, unless otherwise specified in an applicable subpart or by the Administrator. Appendix F is applicable December 4, 1987.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 54: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.13(d), NSPS Subpart A

Item 54.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1)Owners and operators of all continuous emission monitoring systems installed in accordance with the provisions of this part shall check the zero (or low-level value between 0 and 20 percent of span value) and span (50 to 100 percent of span value) calibration drifts at least once daily in accordance with a written procedure. The zero and span shall, as a minimum, be adjusted whenever the 24-hour zero drift or 24-hour span drift exceeds two times the limits of the applicable performance specifications in appendix B. The system must allow the amount of excess zero and span drift measured at the 24-hour interval checks to be recorded and quantified, whenever specified. For continuous monitoring systems measuring opacity of emissions, the optical surfaces exposed to the effluent gases shall be cleaned prior to performing the zero and span drift adjustments except that for systems using automatic zero adjustments. The optical



surfaces shall be cleaned when the cumulative automatic zero compensation exceeds 4 percent opacity.

(2) Unless otherwise approved by the Administrator, the following procedures shall be followed for continuous monitoring systems measuring opacity of emissions. Minimum procedures shall include a method for producing a simulated zero opacity condition and an upscale (span) opacity condition using a certified neutral density filter or other related technique to produce a known obscuration of the light beam. Such procedures shall provide a system check of the analyzer internal optical surfaces and all electronic circuitry including the lamp and photodetector assembly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 55: Compliance Certification

Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.13(e), NSPS Subpart A

Item 55.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Except for system breakdowns, repairs, calibration checks, and zero and span adjustments required under paragraph 40 CFR 60.13 (d) of this section, all continuous monitoring systems shall be in continuous operation and shall meet minimum frequency of operation requirements as follows:

(1) All continuous monitoring systems referenced by paragraph 40 CFR 60.13 (c) of this section for measuring opacity of emissions shall complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period.



(2) All continuous monitoring systems referenced by paragraph 40 CFR 60.13 (c) of this section for measuring emissions, except opacity, shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 56: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.13(h), NSPS Subpart A

Item 56.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners or operators of all continuous monitoring systems for measurement of opacity shall reduce all data to 6-minute averages and for continuous monitoring systems other than opacity to 1-hour averages for time periods as defined in §60.2. Six-minute opacity averages shall be calculated from 36 or more data points equally spaced over each 6-minute period. For continuous monitoring systems other than opacity, 1-hour averages shall be computed from four or more data points equally spaced over each 1-hour period. Data recorded during periods of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this paragraph. An arithmetic or integrated average of all data may be used. The data may be recorded in reduced or nonreduced form (e.g., ppm pollutant and percent O₂ or ng/J of pollutant). All excess emissions shall be converted into units of the standard using the applicable conversion procedures specified in subparts. After conversion into units of the standard, the data may be rounded to the same number of significant digits as used in the applicable subparts to specify the emission limit.

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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 57: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 60.65, NSPS Subpart F

Item 57.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Excess emission reports shall include the following information:

Frequency, duration, and cause of any incident resulting in the deenergization of any device controlling kiln emissions or in the venting of emissions into the atmosphere.

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 58: Part 63 General Provisions requirements
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 63.1342, Subpart LLL

Item 58.1:

Owners or operators of affected sources subject to 40CFR63 Subpart LLL must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 1 of Subpart LLL. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

Condition 59: Compliance Certification



Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement: 40CFR 63.1343(d), Subpart LLL

Item 59.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

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

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner/operator shall not cause gaseous emissions to the atmosphere which contain dioxins or furans, as defined in §63.1341, in excess of:

- 0.2 ng/dscm (8.7 x E-11 grains/dscf) (TEQ) corrected to 7% oxygen, or

- 0.4 ng/dscm (1.7 x E-10 grains/dscf) (TEQ) corrected to 7% oxygen when the average of the performance test run average temperature at the inlet to the particulate matter control device is 204C (400F) or less.

The dioxin/furan concentration shall be measured according to the performance test requirements listed in §63.1349(b)(3).

The owner/operator shall demonstrate compliance by continuously monitoring the temperature of the gas at the inlet of the particulate matter control device according to the provisions of §63.1344(a).

The facility shall demonstrate compliance by monitoring the temperature established in §63.1344(a) according to the provisions in §63.1350(f).

Records shall be kept according to the appropriate provisions in §63.1355 and reports shall be submitted according to the provisions listed in §63.1354.

Compliance with this MACT regulations demonstrates compliance with BART. The MACT regulation is effective immediately and BART becomes effective 1/1/2014.

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Parameter Monitored: HAP

Upper Permit Limit: 0.2 nanograms per dry standard cubic meter (corrected to 7% O₂)

Reference Test Method: Method 23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 60: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40CFR 63.1350(i), Subpart LLL

Item 60.1:

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

Emission Unit: 0-UKILN

Emission Point: 01070

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any kiln subject to a D/F emission limit under Subpart LLL shall conduct an inspection of the components of the combustion system of each kiln at least once per year.

Monitoring Frequency: ANNUALLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 61: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:40 CFR Part 64

Item 61.1:

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

Emission Unit: 0-UKILN

Emission Point: 01070

Emission Unit: 0-UKILN

Emission Point: 01122

Emission Unit: U-FINML

Emission Point: 04031



Emission Unit: U-FINML Emission Point: 04032

Emission Unit: U-QUARY Emission Point: 00902

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

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

This facility is subject to the Compliance Assurance Monitoring Rule (CAM Rule). The owner or operator of this facility must submit a plan to the Department for its review and approval showing how they will comply with this rule. The plan must include the following:

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

The owner or operator of this facility shall submit an annual report of the monitoring required above. The report shall include the following:

- summary of information on the number, duration and cause (including unknown cause) of excursions or exceedances, as applicable, and the corrective actions taken;
- summary information on the number, duration and cause (including unknown cause) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks if applicable); and
- a description of the actions taken to implement a Quality Improvement Plan (QIP) during the reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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Emission Point: 01122
Height (ft.): 70 Diameter (in.): 114
NYTMN (km.): 4795.984 NYTME (km.): 612.017 Building: COOLER

Item 63.2:

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

Emission Unit: U-CLTRN

Emission Point: 01118
Height (ft.): 67 Diameter (in.): 20
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: OFFSPC

Emission Point: 01119
Height (ft.): 67 Diameter (in.): 20
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: OFFSPC

Emission Point: 01123
Height (ft.): 34 Length (in.): 14 Width (in.): 13
NYTMN (km.): 4795.993 NYTME (km.): 612.103 Building: CLSILO

Emission Point: 01811
Height (ft.): 200 Length (in.): 17 Width (in.): 20
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: CLSILO

Emission Point: 01812
Height (ft.): 231 Length (in.): 17 Width (in.): 20
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: CLSILO

Emission Point: 01910
Height (ft.): 25 Length (in.): 8 Width (in.): 8
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: CLSILO

Emission Point: 0K06A
Height (ft.): 7 Diameter (in.): 19
NYTMN (km.): 4795.984 NYTME (km.): 612.017

Emission Point: 0K06B
Height (ft.): 71 Length (in.): 13 Width (in.): 11
NYTMN (km.): 4795.993 NYTME (km.): 612.103

Emission Point: 0K06C
Height (ft.): 56 Length (in.): 15 Width (in.): 12
NYTMN (km.): 4795.993 NYTME (km.): 612.1

Item 63.3:

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

Emission Unit: U-FINML

Emission Point: 04031
Height (ft.): 90 Diameter (in.): 39

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NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: FINISH

Emission Point: 04032

Height (ft.): 90 Diameter (in.): 39

NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: FINISH

Item 63.4:

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

Emission Unit: U-PLYCM

Emission Point: 01936

Height (ft.): 99 Diameter (in.): 36

NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: PLYCOM

Item 63.5:

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

Emission Unit: U-QUARY

Emission Point: 00902

Height (ft.): 54 Diameter (in.): 24

NYTMN (km.): 4795.483 NYTME (km.): 612.33

Item 63.6:

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

Emission Unit: U-RAWGR

Emission Point: 01009

Height (ft.): 170 Diameter (in.): 24

NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: KFSILO

Item 63.7:

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

Emission Unit: U-SHPNG

Emission Point: 06059

Height (ft.): 30 Length (in.): 11 Width (in.): 13

NYTMN (km.): 4796.033 NYTME (km.): 611.789

Emission Point: 06245

Height (ft.): 45 Length (in.): 27 Width (in.): 15

NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Emission Point: 06255

Height (ft.): 45 Length (in.): 27 Width (in.): 15

NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Emission Point: 06302

Height (ft.): 8 Length (in.): 4 Width (in.): 6



NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: 06303
Height (ft.): 8 Length (in.): 4 Width (in.): 6
NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: 06304
Height (ft.): 8 Length (in.): 4 Width (in.): 6
NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: 06305
Height (ft.): 8 Length (in.): 4 Width (in.): 6
NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: 06340
Height (ft.): 8 Length (in.): 4 Width (in.): 6
NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: 06375
Height (ft.): 33 Length (in.): 27 Width (in.): 15
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: WAREPK

Emission Point: 07200
Height (ft.): 15 Diameter (in.): 7
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Emission Point: 07333
Height (ft.): 200 Length (in.): 20 Width (in.): 17
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Emission Point: 07505
Height (ft.): 30 Diameter (in.): 8
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Emission Point: 07526
Height (ft.): 30 Diameter (in.): 8
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Condition 64: Process Definition By Emission Unit
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 64.1:

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

Emission Unit: 0-UFUEL
Process: H01 Source Classification Code: 3-90-002-01
Process Description:
LOADING, UNLOADING, AND HAULING OF COAL
(OR OTHER SOLID FUELS). THE FUEL ARRIVES
ON-SITE VIA TRUCKS OR RAIL CARS.



THROUGHPUT INFORMATION IS NOT REQUIRED TO DETERMINE COMPLIANCE. THE EMISSIONS ASSOCIATED WITH THIS PROCESS ARE FUGITIVE.

Emission Source/Control: C0001 - Process

Emission Source/Control: C0004 - Process

Item 64.2:

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

Emission Unit: 0-UFUEL

Process: H02

Source Classification Code: 3-05-006-99

Process Description:

Outdoor pile for the storage of coal or other solid fuels. Emission from this process are Insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: C0005 - Process

Item 64.3:

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

Emission Unit: 0-UFUEL

Process: H03

Source Classification Code: 3-05-006-99

Process Description:

Loading, unloading, hauling, and preparation (crushing) of coal (or other solid fuels) prior to its use as a fuel in the kiln. Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: 01178 - Process

Emission Source/Control: C0006 - Process

Item 64.4:

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

Emission Unit: 0-UKILN

Process: D01

Source Classification Code: 3-05-006-06

Process Description:

Equipment which transfers the kiln feed produced by the raw mill system into the pyroprocessing system or kiln.

Emission Source/Control: 1041B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1041A - Process
Design Capacity: 160 tons per hour



Item 64.5:

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

Emission Unit: 0-UKILN
Process: D02 Source Classification Code: 3-05-006-06
Process Description:
Equipment for storage of kiln dust (produced as a by product of clinker production) which is cleaned out of the kiln exhaust by the electrostatic precipitators.

Emission Source/Control: 1068B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1068A - Process

Item 64.6:

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

Emission Unit: 0-UKILN
Process: D03 Source Classification Code: 3-05-006-06
Process Description:
Equipment for collecting and storing kiln dust (in case of emergency) resulting from the operation of the spray tower. Emissions this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. Emissions from this process are fugitive.

Emission Source/Control: 01147 - Process

Item 64.7:

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

Emission Unit: 0-UKILN
Process: D04 Source Classification Code: 3-05-006-99
Process Description:
Removal (to temporary storage prior to return to the process) of kiln dust produced by the spray tower generated during operation of process d03. Emissions are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: H1147 - Process

Item 64.8:

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

Emission Unit: 0-UKILN
Process: G01 Source Classification Code: 3-05-006-99
Process Description:



Equipment used (in case of emergency) to transfer kiln dust collected by the electrostatic precipitator to temporary storage prior to return to the process. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: 01074 - Process

Item 64.9:

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

Emission Unit: 0-UKILN
Process: G02 Source Classification Code: 3-05-006-06
Process Description:

Operation of the pyroprocessing system with simultaneous operation of the raw mill. During this operation the raw feed is transformed into cement clinker through slow rotation of the kiln and the application of high temperature. The heat for the process is provided through the combustion of coal, natural gas and compressor condensate generated on-site. This process exhausts to emission point 01070.

ES/C 1070C (SNCR) is being added by 7/1/2012 for BART and NOx RACT. ES/C 1070D (baghouse) is being added by 1/1/2014 for BART and ES/C 1070B (ESP) is being removed at the same time.

Emission Source/Control: 1070B - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 1070C - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: 1070D - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1070E - Control
Control Type: WET LIME INJECTION

Emission Source/Control: 1070A - Process
Design Capacity: 160 tons per hour

Item 64.10:

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

Emission Unit: 0-UKILN
Process: G03 Source Classification Code: 3-05-006-06
Process Description:

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Operation of the pyroprocessing system without simultaneous operation of the raw mill. During this operation the raw feed is transformed into cement clinker through slow rotation of the kiln and the application of high temperature. The heat for the process is provided through the combustion of coal, natural gas and compressor condensate generated on-site. This process exhausts to emission point 01070.

ES/C 1070C (SNCR) is being added by 7/1/2012 for BART and NOx RACT. ES/C 1070D (baghouse) is being added by 1/1/2014 for BART and ES/C 1070B (ESP) is being removed at the same time.

Emission Source/Control: 1070B - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 1070C - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: 1070D - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1070E - Control
Control Type: WET LIME INJECTION

Emission Source/Control: 1070A - Process
Design Capacity: 160 tons per hour

Item 64.11:

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

Emission Unit: 0-UKILN
Process: J01 Source Classification Code: 3-05-006-14
Process Description:
Operation of clinker cooler in which hot cement clinker produced by the kiln is cooled through the use of air movement.

Emission Source/Control: 1122B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1122A - Process
Design Capacity: 100 tons per hour

Item 64.12:

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

Emission Unit: U-CLTRN
Process: K01 Source Classification Code: 3-05-006-16
Process Description:



Transfer and storage of cement clinker (silos 1 system).

Emission Source/Control: 1118B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1118A - Process
Design Capacity: 100 tons per hour

Item 64.13:

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

Emission Unit: U-CLTRN
Process: K02 Source Classification Code: 3-05-006-16
Process Description:
Transfer and storage of cement clinker (silos 2 system).

Emission Source/Control: 1119B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1119A - Process
Design Capacity: 100 tons per hour

Item 64.14:

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

Emission Unit: U-CLTRN
Process: K03 Source Classification Code: 3-05-006-16
Process Description:
Transfer of cement clinker to and from outdoor storage piles. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: OSCL1 - Process

Item 64.15:

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

Emission Unit: U-CLTRN
Process: K04 Source Classification Code: 3-05-006-15
Process Description:
Storage of cement clinker in outdoor piles. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information not required to determine emissions. These emissions are fugitive.

Emission Source/Control: OSCL3 - Process

Item 64.16:

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



Emission Unit: U-CLTRN
Process: K05 Source Classification Code: 3-05-006-99
Process Description:
Equipment associated with the storage of cement clinker
in silos.

Emission Source/Control: 1123B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1811B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1812B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1830B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1910B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1123A - Process

Emission Source/Control: 1811A - Process
Design Capacity: 100 tons per hour

Emission Source/Control: 1812A - Process
Design Capacity: 100 tons per hour

Emission Source/Control: 1830A - Process

Emission Source/Control: 1910A - Process
Design Capacity: 100 tons per hour

Item 64.17:

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

Emission Unit: U-CLTRN
Process: K06 Source Classification Code: 3-05-320-32
Process Description:
Equipment for loadout of clinker by truck and rail.

Emission Source/Control: K06A0 - Control
Control Type: FABRIC FILTER

Emission Source/Control: K06B0 - Control
Control Type: FABRIC FILTER

Emission Source/Control: K06C0 - Control
Control Type: FABRIC FILTER

Emission Source/Control: K06A1 - Process



Design Capacity: 300 tons per hour

Emission Source/Control: K06A2 - Process
Design Capacity: 300 tons per hour

Emission Source/Control: K06A3 - Process
Design Capacity: 300 tons per hour

Emission Source/Control: K06A4 - Process
Design Capacity: 300 tons per hour

Emission Source/Control: K06B1 - Process
Design Capacity: 100 tons

Emission Source/Control: K06C1 - Process
Design Capacity: 300 tons per hour

Emission Source/Control: K06C2 - Process

Item 64.18:

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

Emission Unit: U-FINML

Process: M01

Source Classification Code: 3-05-006-07

Process Description:

Unloading of gypsum (or similar calcium sulfate-bearing materials) to a storage pile. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine emissions. These emissions are fugitive.

Emission Source/Control: GP001 - Process

Item 64.19:

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

Emission Unit: U-FINML

Process: M02

Source Classification Code: 3-05-006-08

Process Description:

Emissions associated with the gypsum (or other calcium sulfate-bearing material) storage pile. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: GP002 - Process

Item 64.20:

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

Emission Unit: U-FINML



Process: M03 Source Classification Code: 3-05-006-12

Process Description:

Emissions associated with the transfer of gypsum (or other calcium sulfate-bearing material) to a transfer hopper. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions from this process are fugitive.

Emission Source/Control: GP003 - Process

Item 64.21:

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

Emission Unit: U-FINML

Process: M04 Source Classification Code: 3-05-006-07

Process Description:

Unloading of marble (or similar calcium-bearing materials) to a storage pile. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: MR001 - Process

Item 64.22:

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

Emission Unit: U-FINML

Process: M05 Source Classification Code: 3-05-006-08

Process Description:

Emissions associated with the marble (or other calcium-bearing material) storage pile. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: MR002 - Process

Item 64.23:

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

Emission Unit: U-FINML

Process: M06 Source Classification Code: 3-05-006-12

Process Description:

Emissions associated with the transfer of marble (or other calcium-bearing material) to a transfer hopper. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.



Emission Source/Control: MR003 - Process

Item 64.24:

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

Emission Unit: U-FINML
Process: M07 Source Classification Code: 3-05-006-07

Process Description:

Unloading of limestone (or similar calcium-bearing materials) to a storage pile. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: ST008 - Process

Item 64.25:

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

Emission Unit: U-FINML
Process: M08 Source Classification Code: 3-05-006-08

Process Description:

Emissions associated with the limestone (or other calcium-bearing material) storage pile. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine emissions. The emissions associated with this process are fugitive.

Emission Source/Control: ST009 - Process

Item 64.26:

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

Emission Unit: U-FINML
Process: M09 Source Classification Code: 3-05-006-12

Process Description:

Emissions associated with the transfer of limestone (or other calcium-bearing material) to a transfer hopper. Emission from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: ST010 - Process

Item 64.27:

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

Emission Unit: U-FINML
Process: M10 Source Classification Code: 3-05-006-12



Process Description:

Processes and equipment associated with the transfer of materials from the os belt to the os elevator. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: 02010 - Process

Item 64.28:

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

Emission Unit: U-FINML

Process: M11

Source Classification Code: 3-05-006-12

Process Description:

Equipment and processes associated with transfer of materials within the crane bay. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: 02008 - Process

Emission Source/Control: 02011 - Process

Item 64.29:

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

Emission Unit: U-FINML

Process: M12

Source Classification Code: 3-05-006-12

Process Description:

Equipment and processes associated with the transfer of materials to the finish mill storage bins. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: 02012 - Process

Emission Source/Control: 02014 - Process

Item 64.30:

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

Emission Unit: U-FINML

Process: N13

Source Classification Code: 3-05-006-17

Process Description:

Equipment used to transfer raw materials and cement clinker to finish mill #1 and the operation of the mill itself. A portion of the emissions associated with this

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process are fugitive.

Emission Source/Control: 4031B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 30008 - Process

Emission Source/Control: 4031A - Process
Design Capacity: 50 tons per hour

Item 64.31:

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

Emission Unit: U-FINML

Process: N14

Source Classification Code: 3-05-006-17

Process Description:

Equipment used to transfer raw materials and cement
clinker to finish mill #2 and the operation of the mill
itself. A portion of the emissions associated with this
process are fugitive.

Emission Source/Control: 4032B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 30017 - Process

Emission Source/Control: 4032A - Process
Design Capacity: 50 tons per hour

Item 64.32:

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

Emission Unit: U-FINML

Process: N15

Source Classification Code: 3-05-006-17

Process Description:

Proposed equipment used to transfer raw materials and
cement to Finish Mill #3 and the operation of the mill
itself.

Emission Source/Control: 4210B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4230B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4250B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4270B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4290B - Control



Control Type: FABRIC FILTER
Emission Source/Control: 4210A - Process
Emission Source/Control: 4230A - Process
Emission Source/Control: 4250A - Process
Emission Source/Control: 4270A - Process
Emission Source/Control: 4290A - Process

Item 64.33:

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

Emission Unit: U-PLYCM
Process: L01 Source Classification Code: 3-05-006-17
Process Description:
TRANSFER, WEIGHING, AND CRUSHING OF CEMENT
CLINKER IN THE POLYCOM CRUSHER SYSTEM. A
PORTION OF THE EMISSIONS ASSOCIATED WITH
THIS PROCESS ARE FUGITIVE.

Emission Source/Control: 1904B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1905B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1906B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1936B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 01903 - Process

Emission Source/Control: 1904A - Process
Design Capacity: 100 tons per hour

Emission Source/Control: 1905A - Process
Design Capacity: 100 tons per hour

Emission Source/Control: 1906A - Process
Design Capacity: 100 tons per hour

Emission Source/Control: 1936A - Process
Design Capacity: 200 tons per hour

Item 64.34:

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



Emission Unit: U-PLYCM
Process: L02 Source Classification Code: 3-05-006-16

Process Description:
Transfer of cement clinker (previously crushed by the polycom system) to storage. Emissions from this process are Insignificant per 6 NYCRR 201-6.3(d)(7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: CL001 - Process

Item 64.35:

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

Emission Unit: U-QUARY
Process: A01 Source Classification Code: 3-05-020-06

Process Description:
Loading/unloading of trucks and hauling of quarry overburden (excess soils/stone). Throughput information is not required to demonstrate compliance. The emissions associated with this process are fugitive.

Emission Source/Control: OB012 - Process

Item 64.36:

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

Emission Unit: U-QUARY
Process: A02 Source Classification Code: 3-05-020-06

Process Description:
Loading/unloading of trucks and hauling of resale stone and sand within quarry. Throughput information is not required to demonstrate compliance. The emissions associated with this process are fugitive.

Emission Source/Control: STR12 - Process

Item 64.37:

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

Emission Unit: U-QUARY
Process: A03 Source Classification Code: 3-05-006-07

Process Description:
Loading/unloading and hauling of stone to quarry crusher. Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: ST012 - Process

Item 64.38:

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



Emission Unit: U-QUARY
Process: A04 Source Classification Code: 3-05-006-08

Process Description:
Stockpiling of stone for feeding through crusher.
Throughput information is not required to determine compliance. The emissions associated with this process are fugitive. Emissions from this process are insignificant per 6 NYCRR 201-6.3(d)(7).

Emission Source/Control: ST003 - Process

Item 64.39:

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

Emission Unit: U-QUARY
Process: A05 Source Classification Code: 3-05-006-09

Process Description:
Operation of primary quarry crusher. A portion of the emissions associated with this process are fugitive.

Emission Source/Control: 0902B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 0902A - Process
Design Capacity: 700 tons per hour

Emission Source/Control: ST004 - Process

Item 64.40:

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

Emission Unit: U-QUARY
Process: A06 Source Classification Code: 3-05-006-12

Process Description:
Transfer of quarry stone from belts 903 to 904 and 904 to no. 5 transfer point after crushing. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: 00904 - Process

Item 64.41:

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

Emission Unit: U-QUARY
Process: A07 Source Classification Code: 3-05-006-12

Process Description:
Transfer of crushed quarry stone over various belts to indoor storage. Transfers include no. 5 to no. 1; no. 1 to no. 2 and no. 2 to 906, 906 to 953, and 953 to storage.

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Emissions from these processes are insignificant per 6 NYCRR 201.6.3 (d) (7). Emissions are fugitive. Throughput information is not required to determine compliance.

Emission Source/Control: 00005 - Process

Emission Source/Control: 00906 - Process

Emission Source/Control: 00953 - Process

Emission Source/Control: 10000 - Process

Emission Source/Control: 20000 - Process

Item 64.42:

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

Emission Unit: U-QUARY

Process: A09

Source Classification Code: 3-05-006-08

Process Description:

Storage of materials, such as quarry stone, in outdoor piles. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: OS001 - Process

Item 64.43:

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

Emission Unit: U-QUARY

Process: A10

Source Classification Code: 3-05-006-08

Process Description:

Drop out for quarry stone used and sold for road maintenance. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: ST005 - Process

Item 64.44:

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

Emission Unit: U-QUARY

Process: A11

Source Classification Code: 3-05-006-08

Process Description:

Storage of limestone and other calcium bearing materials for use in production or for resale. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7).



Throughput information is not required to determine compliance. Emissions are fugitive.

Emission Source/Control: ST067 - Process

Item 64.45:

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

Emission Unit: U-RAWGR

Process: C01

Source Classification Code: 3-05-006-13

Process Description:

Transfer, weighing, milling and blending of raw kiln feed and the raw materials from which it is produced. A portion of the emissions associated with this process are fugitive.

Emission Source/Control: 10020 - Process

Emission Source/Control: 1009A - Process

Design Capacity: 200 tons per hour

Item 64.46:

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

Emission Unit: U-RMHND

Process: B01

Source Classification Code: 3-05-006-08

Process Description:

Loading, unloading, and storage (in piles) of sand and other silica bearing materials. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. These emissions are fugitive loading, unloading, and storage (in piles) of sand and other silica bearing materials. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. These emissions are fugitive.

Emission Source/Control: SD012 - Process

Item 64.47:

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

Emission Unit: U-RMHND

Process: B02

Source Classification Code: 3-05-006-08

Process Description:

Loading, unloading, and storage (in piles) of iron ore and other iron bearing materials. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. Emissions are fugitive. Loading, unloading, and storage (in piles) of iron ore and other iron bearing



materials. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. Emissions are fugitive.

Emission Source/Control: I0012 - Process

Item 64.48:

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

Emission Unit: U-RMHND

Process: B03

Source Classification Code: 3-05-006-12

Process Description:

Operating of material reclaimer and transfer of stored materials (belts 906, 953, 955, 950 and 956 and the storage pile). Materials transferred include stone, silica bearing, iron bearing, calcium bearing, and other raw materials with similar physical and chemical composition. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. The emissions from this process are fugitive. Emissions from this process are insignificant per 6 NYCRR 201-6.3 (d) (7). Throughput information is not required to determine compliance. The emissions from this process are fugitive.

Emission Source/Control: 00950 - Process

Item 64.49:

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

Emission Unit: U-RMHND

Process: B05

Source Classification Code: 3-05-006-12

Process Description:

Transfer of raw materials to and from storage silos and the silos themselves. Transfers include 950 to 955, 955 to 956, 956 to 957, 957 to 959, 959 to 958, 958 to 960 and 960 to silos.

Emission Source/Control: 1033B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00598 - Process

Emission Source/Control: 00955 - Process

Emission Source/Control: 00956 - Process

Emission Source/Control: 00957 - Process

Emission Source/Control: 00959 - Process



Emission Source/Control: 1033A - Process
Design Capacity: 600 tons per hour

Item 64.50:

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

Emission Unit: U-SHPNG
Process: P01 Source Classification Code: 3-05-006-18
Process Description:
Equipment for transferring and storing (silos) finished product (cement) for bulk shipment.

Emission Source/Control: 6990B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7000B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7010B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7020B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7333B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6990A - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 7000A - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 7010A - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 7020A - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 7333A - Process
Design Capacity: 100 tons per hour

Item 64.51:

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

Emission Unit: U-SHPNG
Process: P02 Source Classification Code: 3-05-006-19
Process Description:
Equipment for bulk loading of finished product (cement) into railcars and trucks.



Emission Source/Control: 6000B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6049B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6059B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7200B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6000A - Process
Design Capacity: 600 tons per hour

Emission Source/Control: 6049A - Process
Design Capacity: 600 tons per hour

Emission Source/Control: 6059A - Process
Design Capacity: 600 tons per hour

Emission Source/Control: 7200A - Process
Design Capacity: 600 tons per hour

Item 64.52:

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

Emission Unit: U-SHPNG
Process: P03 Source Classification Code: 3-05-006-18
Process Description:
The silo 33 air slide system used in the transfer of finished product (cement).

Emission Source/Control: 7505B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7526B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7505A - Process
Design Capacity: 600 tons per hour

Emission Source/Control: 7526A - Process
Design Capacity: 600 tons per hour

Item 64.53:

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

Emission Unit: U-SHPNG
Process: Q01 Source Classification Code: 3-05-006-18
Process Description:
Equipment for transferring and storing (silos) finished

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product (cement) for packaging.

Emission Source/Control: 6245B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6255B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6245A - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 6255A - Process
Design Capacity: 50 tons per hour

Item 64.54:

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

Emission Unit: U-SHPNG

Process: Q02

Source Classification Code: 3-05-006-18

Process Description:

Equipment for transferring finished product (cement) from the storage silos to the packaging and bulk loading areas.

Emission Source/Control: 6302B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6303B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6304B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6305B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6340B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6302A - Process
Design Capacity: 70 tons per hour

Emission Source/Control: 6303A - Process
Design Capacity: 70 tons per hour

Emission Source/Control: 6304A - Process
Design Capacity: 70 tons per hour

Emission Source/Control: 6305A - Process
Design Capacity: 70 tons per hour

Emission Source/Control: 6340A - Process



Design Capacity: 70 tons per hour

Item 64.55:

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

Emission Unit: U-SHPNG
Process: Q03 Source Classification Code: 3-05-006-19
Process Description: A cement packaging (bagging) machine.

Emission Source/Control: 6375B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6375A - Process
Design Capacity: 50 tons per hour

Item 64.56:

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

Emission Unit: U-SHPNG
Process: Q04 Source Classification Code: 3-05-006-19
Process Description: A cement packaging (bagging) machine.

Emission Source/Control: 6695B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6695A - Process
Design Capacity: 50 tons per hour

Condition 65: Process Permissible Emissions
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 65.1:

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

Emission Unit:	U-CLTRN	Process:	K06
CAS No:	0NY075-00-0		
Name:	PARTICULATES		
PTE(s):	2.83 pounds per hour		24,790.8 pounds per year
CAS No:	0NY075-00-5		
Name:	PM-10		
PTE(s):	2.38 pounds per hour		20,848.8 pounds per year

Condition 66: Part 63 General Provisions requirements
Effective between the dates of 02/28/2012 and 02/27/2017



Applicable Federal Requirement:40CFR 63.1342, Subpart LLL

Item 66.1:

This Condition applies to Emission Unit: 0-UKILN

Item 66.2:

Owners or operators of affected sources subject to 40CFR63 Subpart LLL must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 1 of Subpart LLL. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

Condition 67: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 225-2.4 (a)

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-UKILN Emission Point: 01070

Item 67.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The amount of on-site generated compressor condensate combusted in the kiln will be metered (before insertion into the kiln) and the amounts and dates/times of combustion noted using a manual or computerized recordkeeping system.

Parameter Monitored: VOLUMETRIC FLOW RATE

Upper Permit Limit: 20.0 gallons per hour

Monitoring Frequency: CONTINUOUS

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

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 68: Compliance Certification
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement:6 NYCRR 249.3 (f)

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Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emission limits in this permit for NO_x, SO₂, and/or PM₁₀ established under Part 249 are based on New York's Best Available Retrofit Technology (BART) Rule (6 NYCRR Part 249), are effective on the date of this permit's issuance, and are state-enforceable. Federal enforceability of these facility-specific requirements is effective on the date on which these emission limits, as submitted to EPA as a revision to New York State's Implementation Plan for Regional Haze, are published in the Federal Register.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 69: Compliance Certification

Effective between the dates of 02/28/2012 and 02/27/2017

Applicable Federal Requirement: 6 NYCRR 249.3 (f)

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-UKILN

Emission Point: 01122

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The emission limits in this permit for NO_x, SO₂, and/or PM₁₀ established under Part 249 are based on New York's Best Available Retrofit Technology (BART) Rule (6 NYCRR Part 249), are effective on the date of this permit's issuance, and are state-enforceable. Federal enforceability of these facility-specific requirements is effective on the date on which these emission limits, as submitted to EPA as a revision to New York State's Implementation Plan for Regional Haze, are published in the Federal Register.

Monitoring Frequency: SEMI-ANNUALLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION





STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

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

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

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

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

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

Condition 70: Contaminant List
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:ECL 19-0301

Item 70.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

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



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

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

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

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

Condition 71: Unavoidable noncompliance and violations
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 201-1.4

Item 71.1:

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 72: Visible Emissions Limited
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 211.2

Item 72.1:

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 73: Compliance Demonstration
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 211.2

Item 73.1:

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

Emission Unit: 0-UKILN

Emission Point: 01070

Item 73.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Lehigh's "Detached Plume Control" plan, last modified 7/16/10 which is hereby approved and incorporated per Item #6 of the Schedule A of the Order On Consent #R5-20050629-512. Lehigh is required to follow this plan or a subsequently revised plan that has been approved by the NYSDEC as required by Item #7 of the Schedule A, thereby completing the requirements of this Schedule.

The control is via Lime Slurry Injection (ES/C)

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1070E)

Compliance with this requirement demonstrates compliance with both 6 NYCRR 211.2 and 6 NYCRR 249.3(a) requirements with expected degree of control of SO₂ at 74%. Compliance deadlines for these two regulations become effective immediately upon issuance for Part 211.2 and January 1, 2014 for Part 249.3(a).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: SULFUR DIOXIDE

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2013.

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

Condition 74: Compliance Demonstration
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 220-1.3 (a)

Item 74.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-UKILN

Emission Point: 01070

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 74.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter standard, lb/ton of feed (dry basis),
for cement kilns.

Upper Permit Limit: 0.30 pounds per ton

Reference Test Method: Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 75: Compliance Demonstration
Effective between the dates of 02/28/2012 and 02/27/2017



Applicable State Requirement:6 NYCRR 220-1.3 (b)

Item 75.1:

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

Emission Unit: 0-UKILN Emission Point: 01122

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

Item 75.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Particulate matter standard, lb/ton of feed (dry basis),
for portland cement clinker coolers.

Compliance with this monitoring activity demonstrates
compliance with 6 NYCRR 220-1.3(b), 40 CFR 60.62(b)(1)(i)
(NSPS) and Part 249 (BART). The Part 220 and Federal NSPS
regulations are effective immediately. The BART
regulations become effective 1/1/2014.

Upper Permit Limit: 0.10 pounds per ton

Reference Test Method: Method 5

Monitoring Frequency: SINGLE OCCURRENCE

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 76: Compliance Demonstration
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 220-1.4 (a)

Item 76.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

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

Item 76.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:



determine whether or not visible emissions are present. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is less than 20%, observations of the stack in question shall be used to determine that the opacity of these emissions remain less than 20%.

The semiannual progress report and annual compliance certifications must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: MATERIAL

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 78: Compliance Demonstration
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement: 6 NYCRR 220-1.4 (b)

Item 78.1:

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

Emission Unit: 0-UKILN

Emission Point: 01122

Item 78.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Clinker cooler opacity standard. Owners and/or operators of clinker coolers shall install, calibrate, maintain and operate a continuous monitor for opacity. Excess emission

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Item 79.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Emissions are limited to less than 10% opacity by Method 9.

Compliance will be determined by the permittee's observation of the outlet of the emission source to determine whether or not visible emissions are present. Visible emissions will not include those due to water vapor that is present in the exhaust gas. Observations must be made once per day while operations are taking place. These observations must be recorded in a log book, and be made available to the Department on request. If visible emissions are observed for two consecutive days, a Method 9 visible emissions test must be conducted by a certified observer. If the Method 9 test determines that the opacity is less than 10%, observations of the stack in question shall be used to determine that the opacity of these emissions remain less than 10%.

The semiannual progress report and annual compliance certifications must include a summary of these observations as well as instances in which visible emissions were observed or in which observations could not be made due to weather conditions.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: MATERIAL

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: Method 9

Monitoring Frequency: WEEKLY

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 80: Compliance Demonstration

Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 220-1.4 (c)

Item 80.1:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 80.2:

Compliance Demonstration shall include the following monitoring:



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Any person who owns or operates an area, parking lot, clinker gallery, rail car loading shed, conveyor tunnel, access road, stockpile, building opening, or refuse disposal area at a portland cement plant that has the potential to emit visible emissions for one continuous hour or longer must apply corrective measures to eliminate such potential. This requirement shall be implemented thru daily inspections and appropriate action as described in GFLC's "Fugitive Dust Control Plan" which is an attachment to this permit.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: MATERIAL

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Monitoring Frequency: DAILY

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 7/30/2012.

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

Condition 81: Compliance Demonstration
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 220-1.6 (a)

Item 81.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-UKILN

Emission Point: 01070

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 81.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Emissions of Sulfur Dioxide (SO₂) from the cement kiln are limited to no more than 5.0 pounds per mmBTU of fuel burned on a daily basis.

BTU value of fuel must be determined daily.

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This condition becomes effective upon Lehigh's certification of an SO2 CEMS on the kiln exhaust stack(s). At the same time, the allowable sulfur in fuel requirements under 225-1.2(a)(2) will expire.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL CONSUMPTION
Manufacturer Name/Model Number: SO2 monitor to be determined
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 5.0 pounds per million Btus
Monitoring Frequency: DAILY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 82: Compliance Demonstration
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 220-1.6 (a)

Item 82.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: 0-UKILN Emission Point: 01070
Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 82.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Emissions of Sulfur Dioxide (SO2) from the cement kiln are limited to no more than 3.8 pounds per mmBTU of fuel burned on a monthly rolled 3 calendar month basis.

BTU value of fuel must be determined daily.

This condition becomes effective upon Lehigh's certification of an SO2 CEMS on the kiln exhaust stack(s). At the same time, the allowable sulfur in fuel requirements under 225-1.2(a)(2) will expire.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: FUEL CONSUMPTION

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Manufacturer Name/Model Number: SO2 monitor to be determined
Parameter Monitored: SULFUR DIOXIDE
Upper Permit Limit: 3.8 pounds per million Btus
Monitoring Frequency: DAILY
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 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 83: Compliance Demonstration
Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement: 6 NYCRR 220-1.6 (a)

Item 83.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

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

Item 83.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Emissions of Sulfur Dioxide (SO₂) from the cement kiln are limited to no more than 3.4 pounds per mmBTU of fuel burned on a monthly rolled 12 calendar month period.

BTU value of fuel must be determined daily.

This condition becomes effective upon Lehigh's certification of an SO₂ CEMS on the kiln exhaust stack(s).

At the same time, the allowable sulfur in fuel requirements under 225-1.2(a)(2) will expire.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: FUEL CONSUMPTION

Manufacturer Name/Model Number: SO2 monitor to be determined

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 3.4 pounds per million Btus

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

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Reports due 30 days after the reporting period.
The initial report is due 7/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 84: Compliance Demonstration
Effective between the dates of 07/01/2012 and 02/27/2017

Applicable State Requirement: 6 NYCRR 220-1.6 (b)

Item 84.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

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

Item 84.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Emissions of Oxides of Nitrogen (NO_x) from the cement kiln are limited to no more than 2.88 pounds per ton of clinker produced. This is based upon the use of selective non-catalytic reduction (SNCR) with a manufacturer's guarantee of 50% control, as proposed in Lehigh's NO_x RACT plan, submitted electronically on November 30, 2010 and subsequently amended.

Compliance with this requirement demonstrates compliance with 6 NYCRR 220-1.6(b) as well as 6 NYCRR 249.3(a). The effective deadlines for each requirement are July 1, 2012 for Part 220-1.6(b) and January 1, 2014 for Part 249.3(a).

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: CLINKER

Manufacturer Name/Model Number: ABB/Advance Optima Limas Model 11 NDUV Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2.88 pounds per ton

Reference Test Method: CFR 60/App A/Mt 4.7

Monitoring Frequency: DAILY

Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2012.

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

Condition 85: Compliance Demonstration

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Effective between the dates of 02/28/2012 and 07/01/2012

Applicable State Requirement:6 NYCRR 220-1.6 (b) (4)

Item 85.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

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

Item 85.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The NOx RACT limit was established under the terms of the
Consent Order file No. D5-0001-97-06.

Manufacturer Name/Model Number: ABB/Advance Optima Limas Model 11 NDUV Analyzer

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 372.7 pounds per hour

Reference Test Method: CFR 60/APP A/MT 4.7

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 4/30/2012.

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

Condition 86: Compliance Demonstration

Effective between the dates of 02/28/2012 and 02/27/2017

Applicable State Requirement:6 NYCRR 220-1.7

Item 86.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

Item 86.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) The owner or operator of a portland cement kiln or



clinker cooler must maintain a file of daily clinker production rates, kiln feed rates, and any particulate emission measurements. The production and feed rates must be summarized monthly. The records and summary must be retained for at least five years following the date of such records and summaries and must be made available for inspection by the department during normal business hours.

(b) The owner or operator of a portland cement kiln at a dry process plant or clinker cooler at either a dry or wet process plant, subject to section 220-1.4 (a) or (b) of this Subpart, must install, maintain, calibrate daily, and operate a device, approved by the department, for continuously measuring and recording the opacity of emissions from such kiln or clinker cooler. If two or more kilns are vented through a single stack, an opacity monitor in the common stack would satisfy the requirements of this subdivision. Records of opacity must be retained for at least five years following the date on which they are made.

(c) The owner or operator of a portland cement kiln shall demonstrate compliance with the NO_x RACT emission limit(s) established in section 220-1.6(b) of this Subpart by measuring NO_x emissions with a continuous emissions monitoring system (CEMS). The CEMS shall comply with the requirements of subdivision (d) of this section or with equivalent requirements approved by the department. Any approved equivalent CEMS requirements will be submitted by the department to the United States Environmental Protection Agency for approval as separate State Implementation Plan revisions.

(d) CEMS requirements.

(1) The owner or operator of a portland cement kiln shall install, calibrate, evaluate, operate, and maintain a CEMS, in accordance with the provisions of 40 CFR part 75, for measuring NO_x at locations approved in the CEMS certification protocol under paragraph (3) of this subdivision, and shall record the output of the system.

(2) As part of its application for a permit or permit modification, the owner or operator of a portland cement kiln shall submit for department approval a CEMS monitoring plan that complies with the provisions of 40 CFR part 75, subpart F.

(3) The owner or operator of a portland cement kiln shall submit for department approval a CEMS certification



protocol at least 60 days prior to CEMS certification testing. The certification protocol shall include the location of and specifications for each instrument or device, as well as procedures for calibration, operation, data evaluation, and data reporting.

(4) The procedures in subparagraphs (i) through (v) of this paragraph shall be used for determining compliance with the NO_x RACT emission limit established under section 220-1.6(b) of this Subpart.

(i) The owner or operator of a portland cement kiln shall determine compliance daily on a 30 day rolling average basis. The 30 day rolling averages shall be calculated by dividing 30 day total NO_x emissions by 30 day total clinker production. Only days when the kiln operates shall be included in the 30 day rolling averages.

(ii) Along with any specific additional data requirements mandated by the department for a particular portland cement kiln, annual re-certifications, quarterly accuracy, and daily calibration drift tests shall be performed in accordance with 40 CFR part 75, subpart C.

(iii) When NO_x emissions data are not obtained because of CEMS downtime, or for periods when no valid CEMS data is available, the owner or operator of a portland cement kiln shall use 40 CFR part 75, subpart D, data substitution procedures.

(5) In addition to the requirements of subparagraphs (i) through (iii) of this paragraph, the owner or operator of a portland cement kiln shall comply with the CEMS recordkeeping and reporting requirements of 40 CFR part 75, subparts F and G.

(i) The owner or operator of a portland cement kiln shall notify the department of the planned initial start-up date of any new CEMS.

(ii) Emissions, monitoring, and operating parameter records or measurements required by this Subpart and any additional parameters required by the department shall be maintained for at least five years and made available to the department upon request.

(iii) On a semi-annual basis, the owner or operator of a portland cement kiln shall tabulate and summarize applicable emissions, monitoring, and operating parameter measurements recorded during the preceding six months, and submit these records to the department. These records shall be submitted in a format acceptable to the



department and shall include:

(a) the 30 day rolling average NO_x emissions as specified under paragraph (4) of this subdivision;

(b) identification of the operating hours when NO_x emissions data are not included in a calculation of the 30 day rolling average emissions and the reasons for not including that data;

(c) a comparison of the NO_x emissions to the NO_x RACT emissions limit(s);

(d) type and amount of fuel burned on a daily basis and the as burned heat content of the fuel;

(e) the total daily NO_x emissions and total daily clinker production; and

(f) the results of CEMS accuracy assessments as required by 40 CFR part 75, appendix A and B and any additional data quality information required by the department.

(e) Protocols, reports, summaries, schedules, and any other information required to be submitted to the department under provisions of this Subpart must be sent (in either hardcopy or electronically) as follows:

(1) one copy to the Division of Air Resources, New York State Department of Environmental Conservation, 625 Broadway, Albany, New York 12233; and

(2) one copy to the regional air pollution control engineer at New York State Department of Environmental Conservation, 232 Golf Course Rd., Warrensburg, New York 12885.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

