



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 5-5205-00013/00058
Effective Date:

Expiration Date:

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

Contact: Stephanie Rochow
313 Warren St
Glens Falls, NY 12801
(518) 792-1137

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

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 pyroprocessing system (Emission Unit U-KILN);
- Solid fuel (coal and Enviro-Fuelcubes) & other alt-fuels (Emission Unit U-FUEL);
- Cement clinker transport and storage (Emission Unit U-CLTRN);
- Precrusher (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 220-1.4(c) |
| 6 NYCRR 211.2 | 40 CFR 82.106 (SubPart E) |
| 6 NYCRR 211.3 | 40 CFR 63 Subpart LLL for existing Area Sources |
| 40 CFR 60 Subpart F | 6 NYCRR Part 212 |

Quarry Operations (Emission Unit U-QUARY) - Glens Falls owns and operates a quarry on



New York State Department of Environmental Conservation

Facility DEC ID: 5520500013

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: 6 NYCRR Part 212-1.6 & Part 212-2.4(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 reclaiming 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 Part 220, 40 CFR 60 (SubPart F) & 40 CFR 63 (SubPart LLL) for area source.

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 Part 220, 40 CFR 60 (SubPart F) & 40 CFR 63 (SubPart LLL) for area source.

Kiln (Pyroprocessing) 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 silow. 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 and/or Enviro-Fuelcubes are 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 212-1.3(a) for "A" rated toxics 40 CFR 60.7 (SubPart A)
- 6 NYCRR 220-1.3(a) 40 CFR 60.8 (SubPart A)
- 6 NYCRR 220-1.6(b)(1) 40 CFR 60.11 (SubPart A)
- 6 NYCRR 220-1.7 40 CFR 60.13 (SubPart A)
- 6 NYCRR 225-1.2(a)(2) 40 CFR 60 (SubPart F)
- 6 NYCRR 204 40 CFR 63 (SubPart LLL) for area source

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, Enviro-Fuelcubes and other engineered fuels - 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.



New York State Department of Environmental Conservation

Facility DEC ID: 5520500013

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 silow, 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:

- 40 CFR 60.11 (SubPart A)
- 40 CFR 60.7 (SubPart A)
- 40 CFR 60.8 (SubPart A)
- 40 CFR 60 (SubPart F)
- 40 CFR 63 Subpart LLL for existing Area Sources

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

Precrusher (Polycom) System (Emission Unit U-PLYCM) - Prior to entering the finishing stage of the manufacturing process, clinker is coneyed 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:

- 40 CFR 60.11 (SubPart A)
- 40 CFR 60.7 (SubPart A)
- 40 CFR 60.8 (SubPart A)
- 40 CFR 60 (SubPart F)
- 40 CFR 63 Subpart LLL for existing Area Sources

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 precrushed 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:

- 40 CFR 60.11. (SubPart A)
- 40 CFR 60.7 (SubPart A)
- 40 CFR 60.8 (SubPart A)
- 40 CFR 60 (SubPart F)
- 40 CFR 63 Subpart LLL for existing Area Sources

Note: Not all equipment and/or processes within this emission unit are subject to the requirments 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:

- 40 CFR 60.11
- 40 CFR 60.7 (SubPart A)
- 40 CFR 60.8 (SubPart A)
- 40 CFR 60 (SubPart F)
- 40 CFR 63 Subpart LLL for existing Area Sources



New York State Department of Environmental Conservation
Facility DEC ID: 5520500013

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, 6 NYCRR 220, 40 CFR 60 SubPart F and 40 CFR 63 Subpart LLL. Emissions of oxides of nitrogen (NO_x) under 6 NYCRR 220-1.6(b)(1-4). Emissions of sulfur compounds are indirectly regulated through the sulfur in fuel limits contained in 6 NYCRR 225 and 6 NYCRR 220-1.6(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: KEVIN R BLISS
 NYSDEC - WARRENSBURG SUBOFFICE
 232 GOLF COURSE RD
 WARRENSBURG, NY 12885-1172

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

- Facility Inspection by the Department
- Relationship of this Permit to Other Department Orders and Determinations
 - Applications for permit renewals, modifications and transfers
 - Applications for permit renewals, 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 the expiration of permits for Title V and 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 prior to actual transfer of ownership.

Condition 4: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 4.1:

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

Item 4.2:

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

Condition 5: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 5.1:

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

Item 6.1:

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:

Permit Expiration Date:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 2 6 NYCRR 201-6.4 (a) (7): Fees
- 3 6 NYCRR 201-6.4 (c): Recordkeeping and Reporting of Compliance Monitoring
- 4 6 NYCRR 201-6.4 (c) (2): Records of Monitoring, Sampling, and Measurement
- 5 6 NYCRR 201-6.4 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 201-6.4 (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 201-6.4 (a) (4): Requirement to Provide Information
- 16 6 NYCRR 201-6.4 (a) (8): Right to Inspect
- 17 6 NYCRR 201-6.4 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 19 40 CFR Part 68: Accidental release provisions.
- 20 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 21 6 NYCRR Subpart 201-6: Emission Unit Definition
- 22 6 NYCRR 201-6.4 (d) (4): Progress Reports Due Semiannually
- 23 6 NYCRR 201-6.4 (f): Compliance Certification
- *24 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 25 6 NYCRR 202-1.3: Acceptable procedures
- 26 6 NYCRR 202-1.3: Alternate test methods
- 27 6 NYCRR 202-1.5: Prohibitions
- 28 6 NYCRR 211.1: Air pollution prohibited
- 29 6 NYCRR 212-1.6 (a): Compliance Certification
- 30 6 NYCRR 212-1.6 (a): Compliance Certification
- 31 6 NYCRR 212-2.4 (a): Compliance Certification
- 32 6 NYCRR 212-2.4 (a): Compliance Certification
- 33 6 NYCRR 212-2.4 (b): Compliance Certification
- 34 6 NYCRR 220-1.4 (c): Compliance Certification
- 35 6 NYCRR 225-1.2 (c): Compliance Certification
- 36 6 NYCRR 249.3 (a): Compliance Certification
- 37 6 NYCRR 249.3 (a): Compliance Certification
- 38 6 NYCRR 249.3 (d): Compliance Certification
- 39 40CFR 60.4, NSPS Subpart A: Compliance Certification
- 40 40CFR 60.7(b), NSPS Subpart A: Compliance Certification
- 41 40CFR 60.7(c), NSPS Subpart A: Compliance Certification
- 42 40CFR 60.7(d), NSPS Subpart A: Compliance Certification
- 43 40CFR 60.7(f), NSPS Subpart A: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



- 44 40CFR 60.13(a), NSPS Subpart A: Compliance Certification
 - 45 40CFR 60.13(d), NSPS Subpart A: Compliance Certification
 - 46 40CFR 60.13(e), NSPS Subpart A: Compliance Certification
 - 47 40CFR 60.13(h), NSPS Subpart A: Compliance Certification
 - 48 40CFR 60.62(c), NSPS Subpart F: Compliance Certification
 - 49 40CFR 60.65, NSPS Subpart F: Compliance Certification
 - 50 40CFR 63.1342, Subpart LLL: Part 63 General Provisions requirements
 - 51 40CFR 63.1343, Subpart LLL: Compliance Certification
 - 52 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
 - 53 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
 - 54 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
 - 55 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
 - 56 40CFR 63.1343(c), Subpart LLL: Compliance Certification
 - 57 40CFR 63.1345, NESHAP Subpart LLL: Compliance Certification
 - 58 40CFR 63.1346, Subpart LLL: Compliance Certification
 - 59 40CFR 63.1346(g), NESHAP Subpart LLL: Compliance Certification
 - 60 40CFR 63.1347, Subpart LLL: Compliance Certification
 - 61 40CFR 63.1348(a), Subpart LLL: Compliance Certification
 - 62 40CFR 63.1348(b), Subpart LLL: Compliance Certification
 - 63 40CFR 63.1348(b)(9), Subpart LLL: Compliance Certification
 - 64 40CFR 63.1348(c), Subpart LLL: Compliance Certification
 - 65 40CFR 63.1348(d), Subpart LLL: Compliance Certification
 - 66 40CFR 63.1349(a), Subpart LLL: Compliance Certification
 - 67 40CFR 63.1349(b)(1), Subpart LLL: Compliance Certification
 - 68 40CFR 63.1349(c), Subpart LLL: Performance Testing Frequency
 - 69 40CFR 63.1349(d), Subpart LLL: Performance Testing Reporting Requirements
 - 70 40CFR 63.1350(a), Subpart LLL: Compliance Certification
 - 71 40CFR 63.1350(b)(1), Subpart LLL: Compliance Certification
 - 72 40CFR 63.1350(d), Subpart LLL: Compliance Certification
 - 73 40CFR 63.1350(i), Subpart LLL: Compliance Certification
 - 74 40CFR 63.1350(k), Subpart LLL: Compliance Certification
 - 75 40CFR 63.1350(m), Subpart LLL: Compliance Certification
 - 76 40CFR 63.1350(p), Subpart LLL: Compliance Certification
 - 77 40CFR 63.1353, Subpart LLL: Compliance Certification
 - 78 40CFR 63.1354, Subpart LLL: Compliance Certification
 - 79 40CFR 63.1355, Subpart LLL: Compliance Certification
 - 80 40 CFR Part 64: Compliance Certification
 - 81 40CFR 82, Subpart E: Standards for labeling of products using ozone-depleting substances
- Emission Unit Level**
- 82 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
 - 83 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
 - 84 6 NYCRR Subpart 201-7: Process Permissible Emissions

EU=0-UKILN

- 85 40CFR 63.1342, Subpart LLL: Part 63 General Provisions requirements
- 86 6 NYCRR 220-1.4 (a): Compliance Certification

EU=0-UKILN,EP=01068

- 87 40CFR 63.1349(b)(3), Subpart LLL: Performance testing requirements



EU=0-UKILN,EP=01070

- 88 6 NYCRR 225-2.4 (a): Compliance Certification
- 89 6 NYCRR 249.3 (f): Compliance Certification
- 90 40CFR 63.1349(b)(4), Subpart LLL: Performance Testing for Total Hydrocarbons
- 91 40CFR 63.1349(b)(5), Subpart LLL: Performance Testing Requirements for Mercury
- 92 40CFR 63.1349(b)(6), Subpart LLL: Performance Testing Requirements for Hydrogen Chloride

EU=0-UKILN,EP=01122

- 93 6 NYCRR 249.3 (f): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 94 ECL 19-0301: Contaminant List
- 95 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
- 96 6 NYCRR 211.2: Visible Emissions Limited
- 97 6 NYCRR 212-2.1: Compliance Demonstration
- 98 6 NYCRR 220-1.6 (b): Compliance Demonstration
- 99 6 NYCRR 220-1.7: Compliance Demonstration

Emission Unit Level

EU=0-UKILN,EP=01070

- 100 6 NYCRR 220-1.7 (b): Monitoring

EU=0-UKILN,EP=01122

- 101 6 NYCRR 220-1.4 (b): 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: 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 B: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.2 (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 C: Certification by a Responsible Official - 6 NYCRR 201-6.2 (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 D: Requirement to Comply With All Conditions - 6 NYCRR 201-6.4 (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 E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.4 (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 F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4 (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 G: Property Rights - 6 NYCRR 201-6.4 (a) (6)

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

Item H: Severability - 6 NYCRR 201-6.4 (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 I: Permit Shield - 6 NYCRR 201-6.4 (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 J: Reopening for Cause - 6 NYCRR 201-6.4 (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 K: 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 L: 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 for entire length of Permit**

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 for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 201-6.2 of Part 201.

Condition 4: Records of Monitoring, Sampling, and Measurement
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-6.4 (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 for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 201-6.2(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 may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.4(e), contained elsewhere in this permit.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
Subsequent reports are due every 6 calendar month(s).

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

Applicable Federal Requirement: 6 NYCRR 201-6.4 (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 annual compliance certifications may be submitted electronically or physically. Electronic reports shall be submitted using the Department's Air Compliance and Emissions Electronic-Reporting system (ACE). If the facility owner or operator elects to send physical copies instead, two copies shall be sent 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) and one copy shall be sent to the Administrator (or his or her representative). The mailing addresses for the above referenced persons are:

Chief – Stationary Source Compliance Section
USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

Regional Air Pollution Control Engineer
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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2018.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

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 for entire length of Permit

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, the owner or operator of 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 for entire length of Permit

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 for entire length of Permit

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

Item 13.1:

The owner or operator of an emission source or activity that is listed as being exempt may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all records necessary for demonstrating compliance with this Subpart on-site for a period of five years, and make them available to representatives of the department upon request.

Condition 14: Trivial Sources - Proof of Eligibility
Effective for entire length of Permit

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



Item 14.1:

The owner or operator of an emission source or activity that is listed as being trivial in this Section may be required to certify that it is operated within the specific criteria described in this Subpart. The owner or operator of any such emission source or activity must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request.

**Condition 15: Requirement to Provide Information
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (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: Right to Inspect
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (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: Off Permit Changes
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (f) (6)

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 20: Recycling and Emissions Reduction
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 82, Subpart F

Item 20.1:

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 21: Emission Unit Definition
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1:

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 21.2:

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,

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 21.3:

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 21.4:

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

Item 21.5:

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.

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Building(s): CLSILO
PLYCOM

Item 21.6:

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 21.7:

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

Item 21.8:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Item 21.9:

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 22: Progress Reports Due Semiannually
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (d) (4)

Item 22.1:

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 23: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR 201-6.4 (f)

Item 23.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01068

Emission Unit: 0-UKILN

Emission Point: 01070

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 201-6.4(f)(2), changes made under an approved protocol are not subject to the Title V permit modification provisions under 6 NYCRR Part 201-6.6.

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, 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 241.3. 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 a solid waste prior to the material being 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 225-1.4(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 1.48E-5 lb/mmBTU which is comparable to the MACT limit of 55 lb Hg/mm tons of clinker.
- 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
hydrogen
Dioxin/Furan (Total and TEQ) and
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
material
minimum, the alternative fuel or raw
material
and the coal used during the trial 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 the 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: Capping Monitoring Condition
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 24.1:

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 24.2:

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

Item 24.3:

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.



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 correctives 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 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.

Compliance with this monitoring activity also demonstrates compliance with 6 NYCRR 212.4(c) and 40 CFR 60.62(c).

Parameter Monitored: OPACITY
Upper Permit Limit: 10 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.
Subsequent reports are due every 6 calendar month(s).

**Condition 25: Acceptable procedures
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 202-1.3

Item 25.1:
Emission testing, sampling, and analytical determinations to ascertain compliance with this Subpart shall be conducted in accordance with test methods acceptable to the commissioner.

**Condition 26: Alternate test methods
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 202-1.3



Item 26.1:

Alternate emission test methods or deviations from acceptable test methods may be utilized if it is impractical to utilize the acceptable test methods or where no applicable test method is available, if prior acceptance of the proposed alternate method is granted by the commissioner.

Condition 27: Prohibitions
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 202-1.5

Item 27.1:

No person shall conceal an emission by the use of air or other gaseous diluents to achieve compliance with an emission standard which is based on the concentration of a contaminant in the gases emitted through a stack.

Condition 28: Air pollution prohibited
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 211.1

Item 28.1:

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 29: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 212-1.6 (a)

Item 29.1:

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

Emission Unit: U-QUARY Emission Point: 00902

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

Item 29.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Method 9 testing shall be performed as required by the condition for this Emission Source under 6 NYCRR

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



212-2.4(a) in this permit.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Visible Emissions Observation

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 30: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 212-1.6 (a)

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-QUARY

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No facility owner or operator shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source or emission point, except for the emission of uncombined water.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 31: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 212-2.4 (a)

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-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: 0NY075-00-5 PM-10

Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from any process emission source for which an application was received by the department prior to July 1, 1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.15 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Compliance with the 0.15 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



New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013

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 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.

Upper Permit Limit: 0.15 grains per dscf

Reference Test Method: Method 5

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 32: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR 212-2.4 (a)

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-QUARY Emission Point: 00902

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

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from any process emission source for which an application was received by the department prior to July 1, 1973 are restricted as follows:



No facility owner or operator shall cause or allow emissions of particulate that exceed 0.15 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

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.

Upper Permit Limit: 0.15 grains per dscf

Reference Test Method: Method 5

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 33: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 212-2.4 (b)

Item 33.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: U-CLTRN

Emission Point: 01118

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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
Emission Unit: U-SHPNG	Emission Point: 07526

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

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions from any process emission source for which an application was received by the department on or after July 1, 1973 are restricted as follows:

No facility owner or operator shall cause or allow emissions of particulate that exceed 0.05 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

Compliance with the 0.05 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 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.

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: Method 5

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 34: Compliance Certification
Effective for entire length of Permit**

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

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 34.2:

Compliance Certification 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



New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013

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

Condition 35: Compliance Certification
Effective for entire length of Permit

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

Item 35.1:

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

Emission Unit: 0-UKILN Emission Point: 01068
Emission Unit: 0-UKILN Emission Point: 01070
Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires solid fuel with a total heat input greater than 250 million Btu per hour* are limited to the firing of solid fuel with a sulfur content of 2.5 lbs/mmBtu maximum, 1.9 lbs/mmBtu*** average, and 1.7 lbs/mmBtu**** annual average.

* Please note that if two or more emission sources are exhausted through a common emission point, the total heat input for such an emission point is either the sum of the maximum operating heat inputs of all emission sources which are operated simultaneously and exhausted through the common emission point, or the maximum operating heat input of any individual emission source operated



independently and connected to the common emission point, whichever is greater.

*** Averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel burned during any consecutive three-month period.

**** Annual averages are computed for each emission source by dividing the total sulfur content by the total gross heat content of all solid fuel burned during any consecutive 12-month period.

All coal is blended and sampled daily as burned.

Compliance with this monitoring requirement also demonstrates compliance with BART requirements for SO₂.

The facility must maintain any records on-site for a minimum of five years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

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

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 36.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 36.2:

Compliance Certification 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 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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



the requirements of this Schedule.

The control is via Lime Slurry Injection (ES/C 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.
Subsequent reports are due every 12 calendar month(s).

Condition 37: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 249.3 (a)

Item 37.1:

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: 007446-09-5 SULFUR DIOXIDE

Item 37.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of Sulfur Dioxide (SO2) from the cement kiln are limited to no more than 1.5 pounds per mmBTU of fuel burned. Compliance is to be demonstrated by a weighted average from three (3) one (1) hour runs in both Roller Mill On (80% of the time) and Roller Mill Off (20% of the time) modes annually (once per calendar year) with the first test to be completed within 120 days of the effective date of the BART regulations (1/1/14).

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Upper Permit Limit: 1.50 pounds per million Btus
Reference Test Method: EPA method 320
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.
Subsequent reports are due every 6 calendar month(s).

Condition 38: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 249.3 (d)

Item 38.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
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 operation of the existing ESP (ES/C 1070B).

Monitoring Frequency: SINGLE OCCURRENCE
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 39: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 39.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

All requests, reports, applications, submittals, and

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 40: Compliance Certification
Effective for entire length of Permit

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

Item 40.1:

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 40.2:

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.

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

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 41: Compliance Certification
Effective for entire length of Permit

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

Item 41.1:

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

Emission Unit: 0-UKILN

Emission Point: 01070

Item 41.2:

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.



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

Condition 42: Compliance Certification
Effective for entire length of Permit

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

Item 42.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Item 42.2:

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.

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

Condition 43: Compliance Certification
Effective for entire length of Permit

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

Item 43.1:

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

Emission Unit: 0-UKILN Emission Point: 01070

Item 43.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 44: Compliance Certification
Effective for entire length of Permit

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

Item 44.1:

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

Emission Unit: 0-UKILN

Emission Point: 01070

Item 44.2:

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 45: Compliance Certification
Effective for entire length of Permit

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

Item 45.1:

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

Emission Unit: 0-UKILN

Emission Point: 01070

Item 45.2:

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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.

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

Condition 46: Compliance Certification
Effective for entire length of Permit

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

Item 46.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01070



Item 46.2:

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.

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

**Condition 47: Compliance Certification
Effective for entire length of Permit**

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

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

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.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 48: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 60.62(c), NSPS Subpart F

Item 48.1:

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 Unit: U-FINML

Emission Unit: U-PLYCM

Emission Unit: U-RAWGR

Emission Unit: U-RMHND

Emission Unit: U-SHPNG

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 48.2:

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions to the outdoor atmosphere of any material that has an average six-minute opacity of 10 percent or greater, except uncombined water, from a clinker cooler, raw mill system, finish mill system, raw mill dryer, raw material storage, clinker storage, finished product storage, conveyor transfer points, bagging and bulk loading and unloading systems which commenced construction or modification after August 17, 1971.

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 greater than or equal to 10%, then this is a violation of this condition and must be reported to NYS DEC within 2 business days.

Parameter Monitored: OPACITY

Upper Permit Limit: 0 percent

Reference Test Method: Visible Emissions

Monitoring Frequency: DAILY

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 49: Compliance Certification Effective for entire length of Permit

Applicable Federal Requirement:40CFR 60.65, NSPS Subpart F

Item 49.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01068

Emission Unit: 0-UKILN

Emission Point: 01070

Item 49.2:



Emission Unit: 0-UKILN Emission Point: 01122

Emission Unit: U-CLTRN
Process: K03

Emission Unit: U-CLTRN
Process: K04

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

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) General. The provisions in this section apply to each kiln and any alkali bypass associated with that kiln, clinker cooler, raw material dryer, and open clinker storage pile. All D/F, HCl, and total hydrocarbon (THC) emissions limit are on a dry basis. The D/F, HCl, and THC limits for kilns are corrected to 7 percent oxygen. All THC emissions limits are measured as propane. Standards for mercury and THC are based on a rolling 30-day average. If using a CEMS to determine compliance with the HCl standard, this standard is based on a rolling 30-day average. You must ensure appropriate corrections for moisture are made when measuring flow rates used to calculate mercury emissions. The 30-day period means all operating hours within 30 consecutive kiln operating days excluding periods of startup and shutdown. All emissions limits for kilns, clinker coolers, and raw material dryers currently in effect that are superseded by the limits in 63.1343(b) continue to apply until the compliance date of the limits in 63.1343(b), or until the source certifies compliance with the limits in 63.1343(b), whichever is earlier.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 52: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1343(b)(1), Subpart LLL

Item 52.1:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Emission Unit: 0-UKILN

Emission Point: 01068

Emission Unit: 0-UKILN

Emission Point: 01070

Emission Unit: 0-UKILN

Emission Point: 01122

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall demonstrate compliance with this limit (0.07 lb/ton clinker) according to the provisions listed in 40 CFR 63.1349(b)(1). The facility must also install, operate, calibrate, and maintain a PM CPMS (continuous parametric monitoring system) in accordance with the provisions listed in 40 CFR 63.1350(b). The clinker production rate shall be calculated using the provisions listed in 40 CFR 63.1350(d).

Compliance with this monitoring activity demonstrates compliance with 6 NYCRR 220-1.3(b), 40 CFR 60.62(a)(1)(i), 40 CFR 60.62(b)(1)(iii) (NSPS) and Part 249 (BART).

63.1349(c) Performance test frequency. Except as provided in §63.1348(b), performance tests are required at regular intervals for affected sources that are subject to a dioxin, organic HAP or HCl emissions limit. Performance tests required every 30 months must be completed no more than 31 calendar months after the previous performance test except where that specific pollutant is monitored using CEMS; performance tests required every 12 months must be completed no more than 13 calendar months after the previous performance test.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.07 pounds per ton

Reference Test Method: Method 5 or 5I

Monitoring Frequency: ANNUALLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 53: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.1343(b)(1), Subpart LLL

Item 53.1:

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: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall demonstrate compliance with this limit according to the provisions listed in 40 CFR 63.1349(b)(5) which requires the facility to install, operate, calibrate, and maintain a mercury CEMS in accordance with the provisions listed in 40 CFR 63.1349(b)(5) which requires the facility to install, operate, calibrate, and maintain a mercury CEMS in accordance with the provisions listed in 40 CFR 63.1350(k). The clinker production rate must be calculated using the procedures listed in 40 CFR 63.1350(d). The initial compliance determination will be based on the first 30 operating days of production with the mercury CEMS installed. See 40 CFR 63.1348(a).

63.1349(c) Performance test frequency. Except as provided in §63.1348(b), performance tests are required at regular intervals for affected sources that are subject to a dioxin, organic HAP or HCl emissions limit. Performance tests required every 30 months must be completed no more than 31 calendar months after the previous performance test except where that specific pollutant is monitored using CEMS; performance tests required every 12 months must be completed no more than 13 calendar months after the previous performance test.

Parameter Monitored: MERCURY

Upper Permit Limit: 0.000055 pounds per ton

Reference Test Method: PS 12A of appendix B to part 60

Monitoring Frequency: ANNUALLY

Averaging Method: 30-DAY AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 54: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1343(b)(1), Subpart LLL

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Item 54.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01068

Emission Unit: 0-UKILN

Emission Point: 01070

Regulated Contaminant(s):

CAS No: 0NY504-00-0 40 CFR 63 - TOTAL HYDROCARBONS (THC)

Item 54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The facility shall demonstrate compliance with this limit according to the provisions listed in 40 CFR 63.1349(b)(4)(i). Use the THC CEMs to conduct the initial compliance test for the first 30 days of kiln operation after the compliance date of the rule. See 40 CFR 63.1348(a).

63.1349(c) Performance test frequency. Except as provided in §63.1348(b), performance tests are required at regular intervals for affected sources that are subject to a dioxin, organic HAP or HCl emissions limit. Performance tests required every 30 months must be completed no more than 31 calendar months after the previous performance test except where that specific pollutant is monitored using CEMS; performance tests required every 12 months must be completed no more than 13 calendar months after the previous performance test.

Parameter Monitored: 40 CFR 63 - TOTAL HYDROCARBONS (THC)

Upper Permit Limit: 24 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: PS 8A app B to part 60 & CMS requirements of 63 A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 30-DAY AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 55: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.1343(b)(1), Subpart LLL

Item 55.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Emission Unit: 0-UKILN

Emission Point: 01068

Emission Unit: 0-UKILN

Emission Point: 01070

Regulated Contaminant(s):

CAS No: 001746-01-6 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

If the facility operates a new kiln or an existing kiln after 9/8/2013, then the facility shall meet an emission limit for dioxins and furans of 0.4 ng/dscm (TEQ) corrected to 7% oxygen during normal operations and during periods of startup and shutdown, if the average temperature at the inlet to the first particulate matter control device (fabric filter or electrostatic precipitator) during the dioxin/furan performance test is 400F or less.

Initial compliance with this limit shall be determined according to the provisions in §63.1349(b)(3). The owner/operator shall conduct separate performance tests while the raw mill is operating and the raw mill is not operating. The D/F concentration must be determined for each run and the arithmetic average of the concentrations measured for the three runs must be calculated to determine compliance. §63.1349(c) requires the facility to perform subsequent performance tests every 30 months.

The facility must also demonstrate initial compliance with the temperature operating limits specified in §63.1346(a) by using the performance test methods and procedures listed in §63.1349(b)(3)(ii)-(iv).

Continuous compliance shall be determined by continuously monitoring and recording the temperature of specified gas streams such that it meets the requirements of §63.1350(g).

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Upper Permit Limit: 0.4 nanograms per dry standard cubic meter (corrected to 7% O₂)

Reference Test Method: Method 23 of 40 CFR 60, Appendix A-7

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



Condition 56: Compliance Certification
Effective for entire length of Permit

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

Item 56.1:

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

Emission Unit: U-CLTRN
Process: K03

Emission Unit: U-CLTRN
Process: K04

Item 56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of an open clinker storage pile must prepare, and operate in accordance with, the fugitive dust emissions control measures, as described in their operation and maintenance plan, that are appropriate for the site conditions as specified in paragraphs (c)(1) through (3) below. The operation and maintenance plan must also describe the measures that will be used to minimize fugitive dust emissions from piles of clinker, such as accidental spillage, that are not part of open clinker storage piles.

(1) The operation and maintenance plan must identify and describe the location of each current or future open clinker storage pile and the fugitive dust emissions control measures the owner or operator will use to minimize fugitive dust emissions from each open clinker storage pile.

(2) For open clinker storage piles, the operations and maintenance plan must specify that one or more of the following control measures will be used to minimize to the greatest extent practicable fugitive dust from open clinker storage piles: Locating the source inside a partial enclosure, installing and operating a water spray or fogging system, applying appropriate chemical dust suppression agents, use of a wind barrier, compaction, use of tarpaulin or other equally effective cover or use of a vegetative cover. The facility owner or operator must select, for inclusion in the operations and maintenance plan, the fugitive dust control measure or measures listed in this paragraph that are most appropriate for site conditions. The plan must also explain how the measure or

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



measures selected are applicable and appropriate for site conditions. In addition, the plan must be revised as needed to reflect any changing conditions at the source.

(3) Temporary piles of clinker that result from accidental spillage or clinker storage cleaning operations must be cleaned up within 3 days.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 57: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1345, NESHAP Subpart

LLL

Item 57.1:

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

Emission Unit: 0-UFUEL

Emission Unit: 0-UKILN Emission Point: 01041

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: U-CLTRN

Emission Unit: U-FINML

Emission Unit: U-PLYCM

Emission Unit: U-RAWGR

Emission Unit: U-RMHND

Emission Unit: U-SHPNG

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

Item 57.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of each new or existing raw material, clinker, or finished product storage bin;

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



conveying system transfer point; bagging system; and bulk loading or unloading system; and each existing raw material dryer, at a facility which is a major source subject to the provisions of this subpart must not cause to be discharged any gases from these affected sources which exhibit opacity in excess of 10%.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Method 9 and 22

Monitoring Frequency: DAILY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 58: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1346, Subpart LLL

Item 58.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN

Emission Point: 01068

Emission Unit: 0-UKILN

Emission Point: 01070

Regulated Contaminant(s):

CAS No: 001746-01-6

2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

Item 58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) The owner or operator of a kiln subject to a D/F emissions limitation under §63.1343 must operate the kiln such that the temperature of the gas at the inlet to the kiln PM control device (PMCD) and alkali bypass PMCD, if applicable, does not exceed the applicable temperature limit specified in paragraph (b) of this section. The owner or operator of an in-line kiln/raw mill subject to a D/F emissions limitation under §63.1343 must operate the in-line kiln/raw mill, such that:

(1) When the raw mill of the in-line kiln/raw mill is operating, the applicable temperature limit for the main in-line kiln/raw mill exhaust, specified in paragraph (b) of this section and established during the performance test when the raw mill was operating, is not exceeded, except during periods of startup and shutdown when the temperature limit may be exceeded by no more than 10 percent.



(2) When the raw mill of the in-line kiln/raw mill is not operating, the applicable temperature limit for the main in-line kiln/raw mill exhaust, specified in paragraph (b) of this section and established during the performance test when the raw mill was not operating, is not exceeded, except during periods of startup/shutdown when the temperature limit may be exceeded by no more than 10 percent.

(3) ...

(b) The temperature limit for affected sources meeting the limits of paragraph (a) of this section or paragraphs (a)(1) through (a)(3) of this section is determined in accordance with §63.1349(b)(3)(iv).

(c) ...

(d) ...

(e) ...

(f) No kiln may use as a raw material or fuel any fly ash where the mercury content of the fly ash has been increased through the use of activated carbon, or any other sorbent, unless the facility can demonstrate that the use of that fly ash will not result in an increase in mercury emissions over baseline emissions (i.e., emissions not using the fly ash). The facility has the burden of proving there has been no emissions increase over baseline. Once the kiln is in compliance with a mercury emissions limit specified in §63.1343, this paragraph no longer applies.

(g) During periods of startup and shutdown you must meet the requirements listed in (g)(1) through (4) of this section.

(1) During startup you must use any one or combination of the following clean fuels: natural gas, synthetic natural gas, propane, distillate oil, synthesis gas (syngas), and ultra-low sulfur diesel (ULSD) until the kiln reaches a temperature of 1200 degrees Fahrenheit.

(2) Combustion of the primary kiln fuel may commence once the kiln temperature reaches 1200 degrees Fahrenheit.

(3) ...

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 59: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.1346(g), NESHAP 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: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

During periods of startup and shutdown the facility must meet the following requirements:

1) During startup the facility must use any one or a combination of the following clean fuels until the kiln reaches a temperature of 1200F:

- natural gas
- synthetic natural gas
- propane
- distillate oil
- synthesis gas (syngas)
- ultra-low sulfur diesel (ULSD)

2) Combustion of the primary kiln fuel may commence once the kiln temperature reaches 1200F.

3) All air pollution control devices must be turned on and operating prior to combusting any fuel.

4) The facility must keep records as specified in §63.1355 during the periods of startup and shutdown.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 60: Compliance Certification
Effective for entire length of Permit



Applicable Federal Requirement:40CFR 63.1347, 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: 01068 |
| Emission Unit: 0-UKILN | Emission Point: 01070 |
| Emission Unit: 0-UKILN | Emission Point: 01122 |
| Emission Unit: U-CLTRN | |

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility must prepare, for each affected source subject to the provisions of subpart LLL of 40 CFR Part 63, a written operations and maintenance (O&M) plan. The plan must be submitted to NYSDEC for review and approval as part of the application for a Part 70 permit and must include the following information:

- 1- Procedures for proper operation and maintenance of the affected source and air pollution control devices in order to meet the emission limits and operating limits of §§63.1343-63.1348.
- 2- Corrective actions to be taken when required by §6.1350(f)(3).
- 3- Procedures to be used during an inspection of the components of the combustion system of each kiln and each in-line kiln raw mill located at the facility at least once per year.

Failure to comply with any provision in the O&M plan is a violation of the standard.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 61: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1348(a), Subpart LLL

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Item 61.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§63.1348 Compliance requirements.

(a) The owner/operator must demonstrate compliance with the mercury standards by using the performance test methods and procedures in 40 CFR 63.1349(b)(5) and 40 CFR 63.7. The owner/operator must demonstrate compliance by operating a mercury CEMS or a sorbent trap based CEMS. Compliance with the mercury emissions standard must be determined based on the first 30 operating days the owner/operator operate a mercury CEMS or sorbent trap monitoring system after the compliance date of this rule.

Note: The Glens Falls facility will utilize a sorbent trap monitoring system.

(i) In calculating a 30 operating day emissions value using an integrating sorbent trap CEMS, assign the average Hg emissions concentration determined for an integrating period (e.g., 7 day sorbent trap monitoring system sample) to each relevant hour of the kiln operating days spanned by each integrated sample. Calculate the 30 kiln operating day emissions rate value using the assigned hourly Hg emissions concentrations and the respective flow and production rate values collected during the 30 kiln operating day performance test period. Depending on the duration of each integrated sampling period, you may not be able to calculate the 30 kiln operating day emissions value until several days after the end of the 30 kiln operating day performance test period.

(ii) For example, a sorbent trap monitoring system producing an integrated 7-day sample will provide Hg concentration data for each hour of the first 28 kiln operating days (i.e., four values spanning 7 days each) of a 30 operating day period. The Hg concentration values for

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



the hours of the last 2 days of the 30 operating day period will not be available for calculating the emissions for the performance test period until at least five days after the end of the subject period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 62: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.1348(b), Subpart LLL

Item 62.1:

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

Emission Unit: 0-UKILN

Emission Point: 01068

Emission Unit: 0-UKILN

Emission Point: 01070

Emission Unit: 0-UKILN

Emission Point: 01122

Regulated Contaminant(s):

CAS No: 0NY504-00-0 40 CFR 63 - TOTAL HYDROCARBONS (THC)

Item 62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(b) Continuous Monitoring Requirements. You must demonstrate compliance with the emissions standards and operating limits by using the performance test methods and procedures in §§63.1350 and 63.8 for each affected source.

(1) General Requirements. (i) You must monitor and collect data according to §63.1350 and the site-specific monitoring plan required by §63.1350(p).

(ii) Except for periods of startup and shutdown, monitoring system malfunctions, repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments), you must operate the monitoring system and collect data at all required intervals at all times the affected source is operating.



(iii) You may not use data recorded during monitoring system startup, shutdown or malfunctions or repairs associated with monitoring system malfunctions in calculations used to report emissions or operating levels. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

(iv) Clinker Production. If you are subject to limitations on mercury emissions (lb/MM tons of clinker) under §63.1343(b), you must determine the hourly production rate of clinker according to the requirements of §63.1350(d).

(2) PM Compliance. If you are subject to limitations on PM emissions under §63.1343(b), you must use the monitoring methods and procedures in §63.1350(b) and (d).

(3) ...

(4) D/F Compliance. If you are subject to a D/F emissions limitation under §63.1343(b), you must demonstrate compliance using a CMS that is installed, operated and maintained to record the temperature of specified gas streams in accordance with the requirements of §63.1350(g).

(5) ...

(6) THC Compliance. (i) If you are subject to limitations on THC emissions under §63.1343(b), you must demonstrate compliance using the monitoring methods and procedures in §63.1350(i) and (j).

(ii) THC must be measured either downstream of the coal mill or in the coal mill stack.

(7) Mercury Compliance. (i) If you are subject to limitations on mercury emissions in §63.1343(b), you must demonstrate compliance using the monitoring methods and procedures in §63.1350(k). If you use an integrated sorbent trap monitoring system to determine ongoing compliance, use the procedures described in §63.1348(a)(5) to assign hourly mercury concentration values and to calculate rolling 30 operating day emissions rates. Since you assign the mercury concentration measured with the sorbent trap to each relevant hour respectively for each



operating day of the integrated period, you may schedule the sorbent trap change periods to any time of the day (i.e., the sorbent trap replacement need not be scheduled at 12:00 midnight nor must the sorbent trap replacements occur only at integral 24-hour intervals).

(ii) Mercury must be measured either downstream of the coal mill or in the coal mill stack.

(8) ...

(9) Startup and Shutdown Compliance. Particulate control and all remaining devices that control hazardous air pollutants should be operational during startup and shutdown.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 63: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1348(b)(9), Subpart LLL

Item 63.1:

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

- Emission Unit: 0-UKILN Emission Point: 01068
- Emission Unit: 0-UKILN Emission Point: 01070
- Emission Unit: 0-UKILN Emission Point: 01122

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

In order to demonstrate continuous compliance during periods of start up and shutdown the facility must operate all air pollution control devices.

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

Condition 64: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1348(c), Subpart LLL

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Item 64.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

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

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) Changes in operations.

(1) If you plan to undertake a change in operations that may adversely affect compliance with an applicable standard, operating limit, or parametric monitoring value under this subpart, the source must conduct a performance test as specified in §63.1349(b).

(2) In preparation for and while conducting a performance test required in §63.1349(b), you may operate under the planned operational change conditions for a period not to exceed 360 hours, provided that the conditions in (c)(2)(i) through (c)(2)(iv) of this section are met. You must submit temperature and other monitoring data that are recorded during the pretest operations.

(i) You must provide the Administrator written notice at least 60 days prior to undertaking an operational change that may adversely affect compliance with an applicable standard under this subpart for any source, or as soon as practicable where 60 days advance notice is not feasible. Notice provided under this paragraph must include a description of the planned change, the emissions standards that may be affected by the change, and a schedule for completion of the performance test required under paragraph (c)(1) of this section, including when the planned operational change period would begin.

(ii) The performance test results must be documented in a test report according to §63.1349(a).

(iii) A test plan must be made available to the Administrator prior to performance testing, if

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



requested.

(iv) The performance test must be completed within 360 hours after the planned operational change period begins.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 65: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.1348(d), Subpart LLL

Item 65.1:

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

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

Emission Unit: U-CLTRN
Process: K03

Emission Unit: U-CLTRN
Process: K04

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

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(d) General duty to minimize emissions. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 66: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.1349(a), Subpart LLL

Item 66.1:

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

Emission Unit: 0-UKILN	Emission Point: 01068
Emission Unit: 0-UKILN	Emission Point: 01070
Emission Unit: 0-UKILN	Emission Point: 01122

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a portland cement plant must document performance test results in complete test reports that contain the information described in paragraphs (1) through (10) below, as well as all other relevant information. As described in 40 CFR 63.7(c)(2)(i), the facility owner or operator must make available to the Administrator prior to testing, if requested, the site-specific test plan to be followed during performance testing. For purposes of determining exhaust gas flow rate to the atmosphere from an alkali bypass stack or a coal mill stack, the facility owner or operator must either install, operate, calibrate and maintain an instrument for continuously measuring and recording the exhaust gas flow rate according to the requirements in paragraphs 40 CFR 63.1350(n)(1) through (10) or use the maximum design exhaust gas flow rate. For purposes of determining the combined emissions from kilns equipped with an alkali bypass or that exhaust kiln gases to a coal mill that exhausts through a separate stack, instead of installing a CEMS on the alkali bypass stack or coal mill stack, the facility owner or operator may use the results of the initial and subsequent performance test to demonstrate compliance with the relevant emissions limit.

- (1) A brief description of the process and the air pollution control system;
- (2) Sampling location description(s);
- (3) A description of sampling and analytical procedures



- and any modifications to standard procedures;
- (4) Test results;
- (5) Quality assurance procedures and results;
- (6) Records of operating conditions during the performance test, preparation of standards, and calibration procedures;
- (7) Raw data sheets for field sampling and field and laboratory analyses;
- (8) Documentation of calculations;
- (9) All data recorded and used to establish parameters for monitoring; and
- (10) Any other information required by the performance test method.

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 67: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.1349(b)(1), Subpart LLL

Item 67.1:

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

Emission Unit: 0-UKILN	Emission Point: 01068
Emission Unit: 0-UKILN	Emission Point: 01070
Emission Unit: 0-UKILN	Emission Point: 01122
Regulated Contaminant(s): CAS No: 0NY075-00-0	PARTICULATES

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

- (1) PM emissions tests. The owner or operator of a kiln and clinker cooler subject to limitations on PM emissions shall demonstrate initial compliance by conducting a performance test using Method 5 or Method 5I at appendix A-3 to part 60 of this chapter. You must also monitor continuous performance through use of a PM continuous



parametric monitoring system (PM CPMS).

(i) For your PM CPMS, you will establish a site-specific operating limit. If your PM performance test demonstrates your PM emission levels to be below 75 percent of your emission limit you will use the average PM CPMS value recorded during the PM compliance test, the milliamp or digital equivalent of zero output from your PM CPMS, and the average PM result of your compliance test to establish your operating limit. If your PM compliance test demonstrates your PM emission levels to be at or above 75 percent of your emission limit you will use the average PM CPMS value recorded during the PM compliance test to establish your operating limit. You will use the PM CPMS to demonstrate continuous compliance with your operating limit. You must repeat the performance test annually and reassess and adjust the site-specific operating limit in accordance with the results of the performance test.

(A) Your PM CPMS must provide a 4-20 milliamp or digital signal output and the establishment of its relationship to manual reference method measurements must be determined in units of milliamps or the monitors digital equivalent.

(B) Your PM CPMS operating range must be capable of reading PM concentrations from zero to a level equivalent to three times your allowable emission limit. If your PM CPMS is an auto-ranging instrument capable of multiple scales, the primary range of the instrument must be capable of reading PM concentration from zero to a level equivalent to three times your allowable emission limit.

(C) During the initial performance test or any such subsequent performance test that demonstrates compliance with the PM limit, record and average all milliamp or digital output values from the PM CPMS for the periods corresponding to the compliance test runs (e.g., average all your PM CPMS output values for three corresponding Method 5I test runs).

(ii) Determine your operating limit as specified in paragraphs (b)(1)(iii) through (iv) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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



Condition 68: Performance Testing Frequency
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1349(c), Subpart LLL

Item 68.1:

Except as provided in 40 CFR 63.1348(b), performance tests are required at regular intervals for affected sources that are subject to a dioxin, organic HAP or HCl emissions limit under 40 CFR 63 Subpart LLL. Performance tests required every 30 months must be completed no more than 31 calendar months after the previous performance test except where that specific pollutant is monitored using CEMS; performance tests required every 12 months must be completed no more than 13 calendar months after the previous performance test.

Condition 69: Performance Testing Reporting Requirements
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1349(d), Subpart LLL

Item 69.1:

The facility owner or operator must submit the information specified below no later than 60 days following the initial performance test. All reports must be signed by a responsible official.

(i) The initial performance test data.

(ii) The values for the site-specific operating limits or parameters established pursuant to 40 CFR 63.1349(b)(1), (3), (6), (7), and (8), as applicable, and a description, including sample calculations, of how the operating parameters were established during the initial performance test.

As of December 31, 2011 and within 60 days after the date of completing each performance evaluation or test, as defined in §63.2, conducted to demonstrate compliance with any standard covered by this subpart, the facility owner or operator must submit the relative accuracy test audit data and performance test data, except opacity data, to the EPA by successfully submitting the data electronically to the EPA's Central Data Exchange (CDX) by using the Electronic Reporting Tool(ERT) (see http://www.epa.gov/ttn/chief/ert/ert_tool.html/).

Condition 70: Compliance Certification
Effective for entire length of Permit

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

Item 70.1:

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

Emission Unit: 0-UKILN

Emission Point: 01068

Emission Unit: 0-UKILN

Emission Point: 01070



Emission Unit: 0-UKILN Emission Point: 01122

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

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(1) Following the compliance date, the owner or operator must demonstrate compliance with this subpart on a continuous basis by meeting the requirements of this section.

(2) [Reserved]

(3) For each existing unit that is equipped with a CMS, maintain the average emissions or the operating parameter values within the operating parameter limits established through performance tests.

(4) Any instance where the owner or operator fails to comply with the continuous monitoring requirements of this section is a violation.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 71: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.1350(b)(1), Subpart LLL

Item 71.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(i) The facility owner or operator shall use a PM CPMS to establish a site-specific operating limit corresponding to



the results of the performance test demonstrating compliance with the PM limit. The PM CPMS must be used to demonstrate continuous compliance with the PM emission limit. The facility owner or operator must repeat the performance test annually and reassess and adjust the site-specific operating limit in accordance with the results of the performance test using the procedures in Section 63.1349(b)(1) (i) through (vi) of Subpart LLL. The facility owner or operator must also repeat the test if changes are made to the analytical range of the instrument, or if the instrument itself or any principle analytical component of the instrument that would alter the relationship of output signal to in-stack PM concentration is replaced.

(ii) To determine continuous compliance, the facility owner or operator must use the PM CPMS output data for all periods when the process is operating and the PM CPMS is not out-of-control. The facility owner or operator must demonstrate continuous compliance by using all quality-assured hourly average data collected by the PM CPMS for all operating hours to calculate the arithmetic average operating parameter in units of the operating limit (milliamps) on a 30 operating day rolling average basis, updated at the end of each new kiln operating day.

(iii) For any exceedance of the 30 process operating day PM CPMS average value from the established operating parameter limit, the facility owner or operator must:

(A) Within 48 hours of the exceedance, visually inspect the APCD;

(B) If inspection of the APCD identifies the cause of the exceedance, take corrective action as soon as possible and return the PM CPMS measurement to within the established value; and

(C) Within 30 days of the exceedance or at the time of the annual compliance test, whichever comes first, conduct a PM emissions compliance test to determine compliance with the PM emissions limit and to verify or re-establish the PM CPMS operating limit within 45 days. The facility owner or operator is not required to conduct additional testing for any exceedances that occur between the time of the original exceedance and the PM emissions compliance test required under this paragraph.

(iv) PM CPMS exceedances leading to more than four required performance tests in a 12-month process operating



period (rolling monthly) constitute a presumptive violation of Subpart LLL.

Reference Test Method: EPA Reference Test Method 5 or 5I

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 72: Compliance Certification
Effective for entire length of Permit**

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

Item 72.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

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

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Clinker production monitoring requirements. In order to determine clinker production, you must:

(1) Determine hourly clinker production by one of two methods:

(i) Install, calibrate, maintain, and operate a permanent weigh scale system to measure and record weight rates in tons-mass per hour of the amount of clinker produced. The system of measuring hourly clinker production must be maintained within ± 5 percent accuracy, or

(ii) Install, calibrate, maintain, and operate a permanent weigh scale system to measure and record weight rates in tons-mass per hour of the amount of feed to the kiln. The system of measuring feed must be maintained within ± 5 percent accuracy. Calculate your hourly clinker production rate using a kiln-specific feed to clinker ratio based on reconciled clinker production determined for accounting purposes and recorded feed rates. Update this ratio monthly. Note that if this ratio changes at clinker reconciliation, you must use the new ratio going forward, but you do not have to retroactively change clinker production rates previously estimated.



(iii) [Reserved]

(2) Determine, record, and maintain a record of the accuracy of the system of measuring hourly clinker production (or feed mass flow if applicable) before initial use (for new sources) or by the effective compliance date of this rule (for existing sources). During each quarter of source operation, you must determine, record, and maintain a record of the ongoing accuracy of the system of measuring hourly clinker production (or feed mass flow).

(3) If you measure clinker production directly, record the daily clinker production rates; if you measure the kiln feed rates and calculate clinker production, record the hourly kiln feed and clinker production rates.

(4) Develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (p)(4) of this section.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 73: Compliance Certification
Effective for entire length of Permit**

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

Item 73.1:

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

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

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

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

THC Monitoring Requirements. If you are subject to an emissions limitation on THC emissions, you must comply with the monitoring requirements of paragraphs (i)(1) and (i)(2) and (m)(1) through (m)(4) of this section. You must also develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (p)(4) of this section.



(1) You must install, operate, and maintain a THC continuous emission monitoring system in accordance with Performance Specification 8 or Performance Specification 8A of appendix B to part 60 of this chapter and comply with all of the requirements for continuous monitoring systems found in the general provisions, subpart A of this part. The owner or operator must operate and maintain each CEMS according to the quality assurance requirements in Procedure 1 of appendix F in part 60 of this chapter. For THC continuous emission monitoring systems certified under Performance Specification 8A, conduct the relative accuracy test audits required under Procedure 1 in accordance with Performance Specification 8, Sections 8 and 11 using Method 25A in appendix A to 40 CFR part 60 as the reference method; the relative accuracy must meet the criteria of Performance Specification 8, Section 13.2.

(2) Performance tests on alkali bypass and coal mill stacks must be conducted using Method 25A in appendix A to 40 CFR part 60 and repeated every 30 months.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 74: Compliance Certification
Effective for entire length of Permit**

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

Item 74.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Regulated Contaminant(s):
CAS No: 007439-97-6 MERCURY

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Mercury monitoring requirements. If you have a kiln subject to an emissions limitation on mercury emissions, you must install and operate a mercury continuous emissions monitoring system (Hg CEMS) in accordance with



Performance Specification 12A (PS 12A) of appendix B to part 60 of this chapter or an integrated sorbent trap monitoring system in accordance with Performance Specification 12B (PS 12B) of appendix B to part 60 of this chapter. You must monitor mercury continuously according to paragraphs (k)(1) through (5) of this section. You must also develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (4) of this section.

(1) ...

(2) ...

(3) You must operate and maintain each Hg CEMS or an integrated sorbent trap monitoring system according to the quality assurance requirements in Procedure 5 of appendix F to part 60 of this chapter. During the RATA of integrated sorbent trap monitoring systems required under Procedure 5, you may apply the appropriate exception for sorbent trap section 2 breakthrough in (k)(3)(i) through (iv) of this section:

(i) For stack Hg concentrations $>1 \mu\text{g/dscm}$, $\leq 10\%$ of section 1 mass;

(ii) For stack Hg concentrations $\leq 1 \mu\text{g/dscm}$ and $>0.5 \mu\text{g/dscm}$, $\leq 20\%$ of section 1 mass;

(iii) For stack Hg concentrations $\leq 0.5 \mu\text{g/dscm}$ and $>0.1 \mu\text{g/dscm}$, $\leq 50\%$ of section 1 mass; and

(iv) For stack Hg concentrations $\leq 0.1 \mu\text{g/dscm}$, no breakthrough criterion assuming all other QA/QC specifications are met.

(4) Relative accuracy testing of mercury monitoring systems under PS 12A, PS 12B, or Procedure 5 must be conducted at normal operating conditions. If a facility has an inline raw mill, the testing must occur with the raw mill on.

(5) If you use a Hg CEMS or an integrated sorbent trap monitoring system, you must install, operate, calibrate, and maintain an instrument for continuously measuring and recording the exhaust gas flow rate to the atmosphere according to the requirements in paragraphs (n)(1) through (10) of this section. If kiln gases are diverted through an alkali bypass or to a coal mill and exhausted through separate stacks, you must account for the mercury emitted from those stacks by following the procedures in (k)(5)(i) through (iv) of this section:

(i) Develop a mercury hourly mass emissions rate by conducting performance tests annually, within 11 to 13 calendar months after the previous performance test, using



Method 29, or Method 30B, to measure the concentration of mercury in the gases exhausted from the alkali bypass and coal mill.

(ii) On a continuous basis, determine the mass emissions of mercury in lb/hr from the alkali bypass and coal mill exhausts by using the mercury hourly emissions rate, the exhaust gas flow rate and hourly mercury emission rate to calculate hourly mercury emissions in lb/hr.

(iii) Sum the hourly mercury emissions from the kiln, alkali bypass and coal mill to determine total mercury emissions. Using hourly clinker production, calculate the hourly emissions rate in pounds per ton of clinker to determine your 30 day rolling average.

(iv) If mercury emissions from the coal mill and alkali bypass are below the method detection limit for two consecutive annual performance tests, you may reduce the frequency of the performance tests of coal mills and alkali bypasses to once every 30 months. If the measured mercury concentration exceeds the method detection limit, you must revert to testing annually until two consecutive annual tests are below the method detection limit.

(6) If you operate an integrated sorbent trap monitoring system conforming to PS 12B, you may use a monitoring period at least 24 hours but no longer than 168 hours in length. You should use a monitoring period that is a multiple of 24 hours (except during relative accuracy testing as allowed in PS 12B).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 75: Compliance Certification
Effective for entire length of Permit**

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

Item 75.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

Regulated Contaminant(s):



Item 76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(p) If you demonstrate compliance with any applicable emissions limit through performance stack testing or other emissions monitoring, you must develop a site-specific monitoring plan according to the requirements in paragraphs (p)(1) through (4) of this section.

(1) For each CMS required in this section, you must develop, and submit to the permitting authority for approval upon request, a site-specific monitoring plan that addresses paragraphs (p)(1)(i) through (iii) of this section. You must submit this site-specific monitoring plan at least 30 days before your initial performance evaluation of your CMS.

(i) Installation of the CMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);

(ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and

(iii) Performance evaluation procedures and acceptance criteria (e.g., calibrations).

(2) In your site-specific monitoring plan, you must also address paragraphs (p)(2)(i) through (iii) of this section.

(i) Ongoing operation and maintenance procedures in accordance with the general requirements of §63.8(c)(1), (c)(3), and (c)(4)(ii);

(ii) Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d); and

(iii) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of §63.10(c), (e)(1), and (e)(2)(i).

(3) You must conduct a performance evaluation of each CMS in accordance with your site-specific monitoring plan.



(4) You must operate and maintain the CMS in continuous operation according to the site-specific monitoring plan.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 77: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 40CFR 63.1353, Subpart LLL

Item 77.1:

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

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

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

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) The notification provisions of 40 CFR part 63, subpart A that apply and those that do not apply to owners and operators of affected sources subject to this subpart are listed in Table 1 of this subpart. If any State requires a notice that contains all of the information required in a notification listed in this section, the owner or operator may send the Administrator a copy of the notice sent to the State to satisfy the requirements of this section for that notification.

(b) Each owner or operator subject to the requirements of this subpart shall comply with the notification requirements in §63.9 as follows:

(1) Initial notifications as required by §63.9(b) through (d). For the purposes of this subpart, a Title V or 40 CFR part 70 permit application may be used in lieu of the initial notification required under §63.9(b), provided the same information is contained in the permit application as required by §63.9(b), and the State to which the permit application has been submitted has an approved operating

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



permit program under part 70 of this chapter and has received delegation of authority from the EPA. Permit applications shall be submitted by the same due dates as those specified for the initial notification.

(2) Notification of performance tests, as required by §§63.7 and 63.9(e).

(3) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(4) Notification, as required by §63.9(g), of the date that the continuous emission monitor performance evaluation required by §63.8(e) is scheduled to begin.

(5) Notification of compliance status, as required by §63.9(h).

(6) Within 48 hours of an exceedance that triggers retesting to establish compliance and new operating limits, notify the appropriate permitting agency of the planned performance tests. The notification requirements of §§63.7(b) and 63.9(e) do not apply to retesting required for exceedances under this subpart.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 78: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.1354, Subpart LLL

Item 78.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

Emission Unit: U-CLTRN
Process: K03

Emission Unit: U-CLTRN
Process: K04



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

Item 78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§63.1354 Reporting requirements.

(a) The reporting provisions of subpart A of this part that apply and those that do not apply to owners or operators of affected sources subject to this subpart are listed in Table 1 of this subpart. If any State requires a report that contains all of the information required in a report listed in this section, the owner or operator may send the Administrator a copy of the report sent to the State to satisfy the requirements of this section for that report.

(b) The owner or operator of an affected source shall comply with the reporting requirements specified in §63.10 of the general provisions of this part 63, subpart A as follows:

(1) As required by §63.10(d)(2), the owner or operator shall report the results of performance tests as part of the notification of compliance status.

(2) As required by §63.10(d)(3), the owner or operator of an affected source shall report the opacity results from tests required by §63.1349.

(3) As required by §63.10(d)(4), the owner or operator of an affected source who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(4)-(5) [Reserved]

(6) As required by §63.10(e)(2), the owner or operator shall submit a written report of the results of the performance evaluation for the continuous monitoring system required by §63.8(e). The owner or operator shall submit the report simultaneously with the results of the performance test.

(7) ...

(8) As required by §63.10(e)(3), the owner or operator of



an affected source equipped with a continuous emission monitor shall submit an excess emissions and continuous monitoring system performance report for any event when the continuous monitoring system data indicate the source is not in compliance with the applicable emission limitation or operating parameter limit.

(9) The owner or operator shall submit a summary report semiannually to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). (CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx.) You must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the extensible markup language (XML) schema listed on the CEDRI Web site (<http://www.epa.gov/ttn/chief/cedri/index.html>), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report the Administrator at the appropriate address listed in §63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI. The reports must be submitted by the deadline specified in this subpart, regardless of the method in which the reports are submitted. The report must contain the information specified in §63.10(e)(3)(vi). In addition, the summary report shall include:

- (i) All exceedances of maximum control device inlet gas temperature limits specified in §63.1346(a) and (b);
- (ii) Notification of any failure to calibrate thermocouples and other temperature sensors as required under §63.1350(g)(1)(iii) of this subpart; and
- (iii) ...
- (iv) Notification of failure to conduct any combustion system component inspections conducted within the reporting period as required under §63.1347(a)(3).
- (v) Any and all failures to comply with any provision of the operation and maintenance plan developed in accordance with §63.1347(a).
- (vi) For each PM CPMS, HCl, Hg, and THC CEMS, D/F temperature monitoring system, or Hg sorbent trap monitoring system, within 60 days after the reporting periods, you must report all of the calculated



30-operating day rolling average values derived from the CPMS, CEMS, CMS, or Hg sorbent trap monitoring systems.

(vii) In response to each violation of an emissions standard or established operating parameter limit, the date, duration and description of each violation and the specific actions taken for each violation including inspections, corrective actions and repeat performance tests and the results of those actions.

(viii) Within 60 days after the date of completing each CEMS performance evaluation test as defined in §63.2, you must submit relative accuracy test audit (RATA) data to the EPA's CDX by using CEDRI in accordance with paragraph (b)(9) of this section. Only RATA pollutants that can be documented with the ERT (as listed on the ERT Web site) are subject to this requirement. For any performance evaluations with no corresponding RATA pollutants listed on the ERT Web site, you must submit the results of the performance evaluation to the Administrator at the appropriate address listed in §63.13.

(ix) For PM performance test reports used to set a PM CPMS operating limit, the electronic submission of the test report must also include the make and model of the PM CPMS instrument, serial number of the instrument, analytical principle of the instrument (e.g. beta attenuation), span of the instruments primary analytical range, milliamp value equivalent to the instrument zero output, technique by which this zero value was determined, and the average milliamp signals corresponding to each PM compliance test run.

(x) All reports required by this subpart not subject to the requirements in paragraphs (b)(9) introductory text and (b)(9)(viii) of this section must be sent to the Administrator at the appropriate address listed in §63.13. The Administrator or the delegated authority may request a report in any form suitable for the specific case (e.g., by commonly used electronic media such as Excel spreadsheet, on CD or hard copy). The Administrator retains the right to require submittal of reports subject to paragraph (b)(9) introductory text and (b)(9)(viii) of this section in paper format.

(10) If the total continuous monitoring system downtime for any CEM or any continuous monitoring system (CMS) for the reporting period is ten percent or greater of the total operating time for the reporting period, the owner or operator shall submit an excess emissions and continuous monitoring system performance report along with



the summary report.

(c) Reporting a failure to meet a standard due to a malfunction. For each failure to meet a standard or emissions limit caused by a malfunction at an affected source, you must report the failure in the semi-annual compliance report required by §63.1354(b)(9). The report must contain the date, time and duration, and the cause of each event (including unknown cause, if applicable), and a sum of the number of events in the reporting period. The report must list for each event the affected source or equipment, an estimate of the volume of each regulated pollutant emitted over the emission limit for which the source failed to meet a standard, and a description of the method used to estimate the emissions. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.1348(d), including actions taken to correct a malfunction

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 79: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.1355, Subpart LLL

Item 79.1:

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

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Emission Unit: 0-UKILN Emission Point: 01122

Emission Unit: U-CLTRN
Process: K03

Emission Unit: U-CLTRN
Process: K04

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

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES



Monitoring Description:

- (a) The owner or operator shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1). The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.
- (b) The owner or operator shall maintain records for each affected source as required by §63.10(b)(2) and (b)(3) of this part; and
 - (1) All documentation supporting initial notifications and notifications of compliance status under §63.9;
 - (2) All records of applicability determination, including supporting analyses; and
 - (3) If the owner or operator has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.
- (c) In addition to the recordkeeping requirements in paragraph (b) of this section, the owner or operator of an affected source equipped with a continuous monitoring system shall maintain all records required by §63.10(c).
- (d) [Reserved]
- (f) You must keep records of the date, time and duration of each startup or shutdown period for any affected source that is subject to a standard during startup or shutdown that differs from the standard applicable at other times, and the quantity of feed and fuel used during the startup or shutdown period.
- (g)(1) You must keep records of the date, time and duration of each malfunction that causes an affected source to fail to meet an applicable standard; if there was also a monitoring malfunction, the date, time and duration of the monitoring malfunction; the record must list the affected source or equipment, an estimate of the volume of each regulated pollutant emitted over the standard for which the source failed to meet a standard,



and a description of the method used to estimate the emissions.

(2) You must keep records of actions taken during periods of malfunction to minimize emissions in accordance with §63.1348(d) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(h) For each exceedance from an emissions standard or established operating parameter limit, you must keep records of the date, duration and description of each exceedance and the specific actions taken for each exceedance including inspections, corrective actions and repeat performance tests and the results of those actions.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 80: Compliance Certification
Effective for entire length of Permit**

Applicable Federal Requirement:40 CFR Part 64

Item 80.1:

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 80.2:

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 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.

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

Condition 81: Standards for labeling of products using ozone-depleting substances
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 82, Subpart E

Item 81.1:

The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- a. All containers containing a class I or class II substance that is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



commerce pursuant to 40 CFR Part 82.106.

b. The placement of the required warning statement must comply with the requirements pursuant to 40 CFR Part 82.108.

c. The form of the label bearing the required warning statement must comply with the requirements pursuant to 40 CFR Part 82.110.

d. No person may modify, remove, or interfere with the required warning statement except as described in 40 CFR Part 82.112.

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

**Condition 82: Emission Point Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 82.1:

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

Emission Unit: 0-UKILN

Emission Point: 01041

Height (ft.): 10 Diameter (in.): 12
NYTMN (km.): 4795.946 NYTME (km.): 611.95 Building: KFSILO

Emission Point: 01068

Height (ft.): 54 Diameter (in.): 10
NYTMN (km.): 4795.94 NYTME (km.): 611.949 Building: PRECIP

Emission Point: 01070

Height (ft.): 76 Diameter (in.): 76
NYTMN (km.): 4795.938 NYTME (km.): 611.949 Building: PRECIP

Emission Point: 01122

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

Item 82.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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: 01830
 Height (ft.): 260 Diameter (in.): 18
 NYTMN (km.): 4795.997 NYTME (km.): 612.1 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 82.3:

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
 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

Emission Point: 04210
 Height (ft.): 20 Diameter (in.): 14
 NYTMN (km.): 4795.99 NYTME (km.): 612.1 Building: FINISH

Emission Point: 04230



New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013

Height (ft.): 20 Diameter (in.): 14
 NYTMN (km.): 4795.99 NYTME (km.): 612.098 Building: FINISH

Emission Point: 04250
 Height (ft.): 50 Diameter (in.): 30
 NYTMN (km.): 4795.996 NYTME (km.): 612.1 Building: FINISH

Emission Point: 04270
 Height (ft.): 110 Diameter (in.): 48
 NYTMN (km.): 4795.988 NYTME (km.): 612.105 Building: FINISH

Emission Point: 04290
 Height (ft.): 100 Diameter (in.): 16
 NYTMN (km.): 4795.996 NYTME (km.): 612.103 Building: FINISH

Emission Point: PTBIN
 Height (ft.): 65 Length (in.): 36 Width (in.): 84
 NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: PTMIL
 Height (ft.): 4 Length (in.): 84 Width (in.): 96
 NYTMN (km.): 4795.824 NYTME (km.): 611.032

Item 82.4:

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

Emission Unit: U-PLYCM

Emission Point: 01904
 Height (ft.): 8 Length (in.): 4 Width (in.): 10
 NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: 01905
 Height (ft.): 8 Length (in.): 4 Width (in.): 10
 NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: 01906
 Height (ft.): 8 Length (in.): 4 Width (in.): 10
 NYTMN (km.): 4795.824 NYTME (km.): 611.032

Emission Point: 01936
 Height (ft.): 99 Diameter (in.): 36
 NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: PLYCOM

Item 82.5:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Item 82.6:

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

Emission Point: PTRAW

Height (ft.): 5 Length (in.): 84

Width (in.): 120

NYTMN (km.): 4796.025 NYTME (km.): 611.791

Item 82.7:

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

Emission Unit: U-RMHND

Emission Point: 01033

Height (ft.): 88

Diameter (in.): 20

NYTMN (km.): 4795.996 NYTME (km.): 612.101 Building: KFSILO

Emission Point: PT950

Height (ft.): 15

Length (in.): 144

Width (in.): 132

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

Item 82.8:

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

Emission Unit: U-SHPNG

Emission Point: 06000

Height (ft.): 15

Diameter (in.): 7

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

Emission Point: 06049

Height (ft.): 15

Length (in.): 8

Width (in.): 8

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

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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: 06695
Height (ft.): 15 Diameter (in.): 22
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: WAREPK

Emission Point: 06990
Height (ft.): 172 Length (in.): 9 Width (in.): 11
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Emission Point: 07000
Height (ft.): 172 Length (in.): 9 Width (in.): 11
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Emission Point: 07010
Height (ft.): 172 Length (in.): 9 Width (in.): 11
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

Emission Point: 07020
Height (ft.): 172 Length (in.): 11 Width (in.): 9
NYTMN (km.): 4795.824 NYTME (km.): 611.032 Building: STSILO

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83: Process Definition By Emission Unit
Effective for entire length of Permit**

Applicable Federal Requirement: 6 NYCRR Subpart 201-6

Item 83.1:

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 83.2:

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 83.3:

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 83.4:

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 83.5:

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 83.6:

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 83.7:

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 83.8:

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 83.9:

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. The existing ESP (ES/C 1070B) shall be considered as BART for PM effective 1/1/2014.

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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

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

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

Item 83.10:

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:

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. The existing ESP (ES/C 1070B) shall be considered as BART for PM effective 1/1/2014.

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

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

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

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

Item 83.11:

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

Emission Unit: 0-UKILN
Process: G04 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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



rotation of the kiln and the application of high temperature. The heat for the process is provided through the combustion of coal, natural gas, compressor condensate generated on-site or alternative fuels as approved under the Op-Flex provisions of this permit and subsequent permit modification for final authorization of use in this process. This process exhausts to emission point 01070 from the baghouse 1070D.

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

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

Item 83.12:

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

Emission Unit: 0-UKILN
Process: G05 Source Classification Code: 3-05-006-06
Process Description:

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, compressor condensate generated on-site or alternative fuels as approved under the Op-Flex provisions of this permit and subsequent permit modification for final authorization of use in this process. This process exhausts to emission point 01070.

The Electrostatic Precipitator (ES/C 1070C) must be removed and replaced by a baghouse (ES/C 1070D) by January 1, 2014 in order to comply with BART requirements under Part 249.

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

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

Item 83.13:

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 83.14:

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 (silo 1 system).

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

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

Item 83.15:

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 (silo 2 system).

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

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

Item 83.16:

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 83.17:

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 83.18:

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 83.19:

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 83.20:

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 83.21:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83.22:

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 83.23:

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 83.24:

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 83.25:

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 83.26:

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 83.27:

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 83.28:

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 83.29:

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 83.30:

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 83.31:

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 83.32:

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 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 83.33:

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 83.34:

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.

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83.35:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83.36:

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 83.37:

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

Emission Unit: U-PLYCM
Process: L03 Source Classification Code: 3-05-006-10

Process Description: Crushing material in the boneyard.

Emission Source/Control: 1936C - Process
Design Capacity: 135 tons per hour

Item 83.38:

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 83.39:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83.40:

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 83.41:

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 83.42:

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 83.43:

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 83.44:

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. 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 83.45:

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 83.46:

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 83.47:

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 83.48:

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 83.49:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83.50:

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 83.51:

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 83.52:

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 83.53:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83.54:

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 83.55:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83.56:

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 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 83.57:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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 83.58:

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 83.59:

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 84: Process Permissible Emissions

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 84.1:

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):	2.83 pounds per hour		
			20,848.8 pounds per year

**Condition 85: Part 63 General Provisions requirements
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.1342, Subpart LLL

Item 85.1:

This Condition applies to Emission Unit: 0-UKILN

Item 85.2:

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 86: Compliance Certification
Effective for entire length of Permit**

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

Item 86.1:

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

Emission Unit: 0-UKILN Emission Point: 01068

Emission Unit: 0-UKILN Emission Point: 01070

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



CAS No: 0NY075-00-0 PARTICULATES

Item 86.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Except as provided in 6 NYCRR 220-1.4(b), no person shall cause or allow emissions to the atmosphere of any material that has an average six-minute opacity of 20% or greater, except uncombined water, from a portland cement kiln, portland cement kiln with in-line raw mill, clinker cooler, or any other confined processes at a portland cement plant.

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 87: Performance testing requirements
Effective for entire length of Permit**

Applicable Federal Requirement:40CFR 63.1349(b)(3), Subpart LLL

Item 87.1:

This Condition applies to Emission Unit: 0-UKILN Emission Point: 01068

Item 87.2:

The owner or operator of an affected source subject to limitations on D/F emissions shall demonstrate initial compliance with the D/F emission limit by conducting a performance test using Method 23 of appendix A of 40 CFR 60.

**Condition 88: Compliance Certification
Effective for entire length of Permit**

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

Item 88.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 88.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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.

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

Condition 89: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement:6 NYCRR 249.3 (f)

Item 89.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-UKILN

Emission Point: 01070

Item 89.2:

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 90: Performance Testing for Total Hydrocarbons
Effective for entire length of Permit

Applicable Federal Requirement:40CFR 63.1349(b)(4), Subpart LLL

Item 90.1:

This Condition applies to Emission Unit: 0-UKILN Emission Point: 01070



Item 90.2:

The owner or operator of a portland cement plant subject to a limitation on total hydrocarbons must operate a CEMS in accordance with the requirements in 40 CFR 63.1350(i). For the purposes of conducting the accuracy and quality assurance evaluations for the CEMS, the THC span value (as propane) is 50 ppmv and the reference method (RM) is Method 25A of appendix A to part 60 of this chapter.

The facility owner or operator must conduct an initial performance test using the CEMS as described in 40 CFR 63.1349(b)(4)(ii) - (v).

**Condition 91: Performance Testing Requirements for Mercury
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.1349(b)(5), Subpart LLL

Item 91.1:

This Condition applies to Emission Unit: 0-UKILN Emission Point: 01070

Item 91.2:

The owner or operator of a portland cement plant subject to limitations on mercury emissions under 40 CFR 63 Subpart LLL must operate a mercury CEMS or a sorbent trap monitoring system in accordance with the requirements of 40 CFR 63.1350(k). The initial compliance test must be based on the first 30 kiln operating days in which the affected source operates using a mercury CEMS or a sorbent trap monitoring system after the compliance date of the rule (see 40 CFR 63.1348(a)).

(i) If the facility is using a mercury CEMS or a sorbent trap monitoring system, the facility owner or operator must install, operate, calibrate, and maintain an instrument for continuously measuring and recording the exhaust gas flow rate to the atmosphere according to the requirements in 40 CFR 63.1350(k)(5).

(ii) Calculate the mercury emission rate using Equation 10 of 40 CFR 63.1349.

**Condition 92: Performance Testing Requirements for Hydrogen Chloride
Effective for entire length of Permit**

Applicable Federal Requirement: 40CFR 63.1349(b)(6), Subpart LLL

Item 92.1:

This Condition applies to Emission Unit: 0-UKILN Emission Point: 01070

Item 92.2:

The owner or operator of a portland cement plant subject to limitations on HCl emissions under 40 CFR 63 Subpart LLL must conduct performance testing by one of the following methods:

(i)(A) If the source is equipped with a wet scrubber, tray tower or dry scrubber, the facility owner or operator must conduct performance testing using Method 321 of 40 CFR 63 appendix A unless the facility has installed a CEMS that meets the requirements of 40 CFR 63.1350(l)(1). For kilns with inline raw mills, testing should be conducted for the raw mill on and raw mill off



conditions.

(B) The facility owner or operator must establish site specific parameter limits by using the CPMS required in 40 CFR 63.1350(l)(1). For a wet scrubber or tray tower, measure and record the pressure drop across the scrubber and/or liquid flow rate and pH in intervals of no more than 15 minutes during the HCl test. Compute and record the 24-hour average pressure drop, pH, and average scrubber water flow rate for each sampling run in which the applicable emissions limit is met. For a dry scrubber, measure and record the sorbent injection rate in intervals of no more than 15 minutes during the HCl test. Compute and record the 24-hour average sorbent injection rate and average sorbent injection rate for each sampling run in which the applicable emissions limit is met.

(ii)(A) If the source is not controlled by a wet scrubber, tray tower or dry sorbent injection system, the facility owner or operator must operate a CEMS in accordance with the requirements of 40 CFR 63.1350(l)(1) (see 40 CFR 63.1348(a)).

(B) The initial compliance test must be based on the 30 kiln operating days that occur after the compliance date of this rule in which the affected source operates using an HCl CEMS. Hourly HCl concentration data must be obtained according to 40 CFR 63.1350(l).

(iii) As an alternative to paragraph (i)(B) above, the facility owner or operator may choose to monitor SO₂ emissions using a CEMS in accordance with the requirements of 40 CFR 63.1350(l)(3). The facility owner or operator must establish an SO₂ operating limit equal to the average recorded during the HCl stack test where the HCl stack test run result demonstrates compliance with the emission limit. This operating limit will apply only for demonstrating HCl compliance.

(iv) If kiln gases are diverted through an alkali bypass or to a coal mill and exhausted through a separate stack, the facility owner or operator must calculate a kiln-specific HCl limit using Equation 11 of 40 CFR 63.1349.

Condition 93: Compliance Certification
Effective for entire length of Permit

Applicable Federal Requirement: 6 NYCRR 249.3 (f)

Item 93.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-UKILN

Emission Point: 01122

Item 93.2:

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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 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 and maintained;

(3) During the period of the emergency the facility owner 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 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 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: 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 94: Contaminant List
Effective for entire length of Permit**

Applicable State Requirement:ECL 19-0301

Item 94.1:

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

CAS No: 001746-01-6
Name: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN

CAS No: 007439-97-6
Name: MERCURY

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: TOTAL HAP

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



CAS No: 0NY504-00-0
Name: 40 CFR 63 - TOTAL HYDROCARBONS (THC)

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

**Condition 95: Malfunctions and start-up/shutdown activities
Effective for entire length of Permit**

Applicable State Requirement: 6 NYCRR 201-1.4

Item 95.1:

(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, 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 department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

**Condition 96: Visible Emissions Limited
Effective for entire length of Permit**



Applicable State Requirement:6 NYCRR 211.2

Item 96.1:

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 97: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 212-2.1

Item 97.1:

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

Emission Unit: 0-UKILN	Emission Point: 01068
Emission Unit: 0-UKILN	Emission Point: 01070
Emission Unit: 0-UKILN	Emission Point: 01122

Item 97.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Upon modification of the kiln or clinker cooler, emissions shall be reevaluated under 6 NYCRR 212-1.3 to determine which, if any, contaminants are assigned an environmental rating of "A"

Emissions of "A" rated air contaminants to the outdoor atmosphere from any process emission source or emission point are restricted as follows:

(a) for an air contaminant listed in Section 212-2.2 Table 2 – High Toxicity Air Contaminant List, of this Part, the facility owner or operator shall either limit the actual annual emissions from all process operations at the facility so as to not exceed the mass emission limit listed for the individual HTAC; or demonstrate compliance with the air cleaning requirements for the HTAC as specified in Subdivision 212-2.3(b), Table 4 – Degree of Air Cleaning Required for Non-Criteria Air Contaminants, of this Part for the environmental rating assigned to the contaminant by the department.

(b) for any air contaminant not listed on Table 2, unless it is a solid particulate described in subdivision (c) of

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



this Section, the facility owner or operator shall not allow emissions of an air contaminant to violate the requirements specified in Subdivision 212-2.3(a), Table 3 – Degree of Air Cleaning Required for Criteria Air Contaminants, or Subdivision 212-2.3(b), Table 4 – Degree of Air Cleaning Required for Non-Criteria Air Contaminants, as applicable, for the environmental rating assigned to the contaminant by the department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 98: Compliance Demonstration
Effective for entire length of Permit**

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

Item 98.1:

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 98.2:

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



New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013

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

**Condition 99: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 220-1.7

Item 99.1:

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 99.2:

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 NOx RACT emission limit(s) established in section 220-1.6(b) of this Subpart by measuring NOx 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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



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

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

Condition 100: Monitoring
Effective for entire length of Permit

Applicable State Requirement:6 NYCRR 220-1.7 (b)

Item 100.1:

This Condition applies to Emission Unit: 0-UKILN Emission Point: 01070

Item 100.2:

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 6 NYCRR Part 220-1.4(a) or (b), 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 satisfies the requirements of this subdivision. Opacity monitoring records must be retained at the facility for a period of at least five years from the date on which they are made.

Condition 101: Compliance Demonstration
Effective for entire length of Permit

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

Item 101.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-UKILN Emission Point: 01122

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

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Item 101.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

No person will cause or allow emissions to the outdoor atmosphere of any material that has an average six-minute opacity of 10 percent or greater, except uncombined water, from a clinker cooler, raw mill system, finish mill system, raw mill dryer, raw material storage, clinker storage, finished product storage, conveyor transfer points, bagging and bulk loading and unloading systems which commenced construction or modification after August 17, 1971.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: EPA Reference Test Method 9

Monitoring Frequency: CONTINUOUS

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

