



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 5-5205-00013/00058
Mod 0 Effective Date: 02/28/2017 Expiration Date: 02/27/2022

Mod 1 Effective Date: Expiration Date:

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

Contact: Jana Frederick
Lehigh Northeast Cement Company
313 Warren St
Glens Falls, NY 12801
(518) 223-1292

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 & approved alternative 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)



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

Permit Administrator: MARC S MIGLIORE
 NYSDEC - WARRENSBURG SUBOFFICE
 232 GOLF COURSE RD
 WARRENSBURG, NY 12885

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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



New York State Department of Environmental Conservation

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the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 1-1: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 1-1.1:

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

Item 1-1.2:

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

Item 1-1.3

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

Condition 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

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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

DEC GENERAL CONDITIONS

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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

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

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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. When additional applicable requirements under the act become applicable to a title V facility with a remaining permit term of 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 the 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 section 201- 6.6 of this Subpart.

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

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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.

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

Condition 21: Emission Unit Definition

Effective between the dates of 02/28/2017 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 21.1(From Mod 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, raggertail and other alternative fuels for use in the pyro-processing (kiln) system.

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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(From Mod 1):

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

Emission Unit: 0-UKILN

Emission Unit Description:

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

Building(s): COOLER
PRECIP

Item 21.3(From Mod 0):

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(From Mod 0):

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).

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Building(s): FINISH

Item 21.5(From Mod 0):

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

Emission Unit: U-PLYCM

Emission Unit Description:

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

Building(s): CLSILO
PLYCOM

Item 21.6(From Mod 0):

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(From Mod 0):

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(From Mod 0):

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

Emission Unit: U-RMHND



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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

Item 21.9(From Mod 0):

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

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

Item 1-1.1:

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 1-1.2:

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 meet all applicable requirements of 6 NYCRR Part 360.

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
Dioxin/Furan (Total and TEQ) and
hydrogen
chloride;

b. total hydrocarbons:

c. total filterable particulate matter
(PM);

d. metals present in the alternative fuel
at a level
greater than that in the coal on a
lb/mmBtu basis
or in the alternative raw material at a



level
greater than in the current raw
materials. At a
minimum, the alternative fuel or raw
material
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 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 23: Compliance Certification Effective between the dates of 02/28/2017 and Permit Expiration Date

Applicable Federal Requirement:

Expired by Mod 1

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

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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 Dioxin/Furan (Total and TEQ) and hydrogen chloride;

b. total hydrocarbons:

c. total filterable particulate matter (PM);

d. metals present in the alternative fuel at a level greater than that in the coal on a lb/mmBtu basis



or in the alternative raw material at a level greater than in the current raw materials. At a minimum, the alternative fuel or raw material 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



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review and approval;

g. Any other relevant information used to evaluate the proposed trial under the Protocol.

D. Review and Approval of Trials

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

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

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

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



617).

E. Additional Compliance Obligations for
Trials
Conducted Under this Protocol

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 80: Compliance Certification
Effective between the dates of 02/28/2017 and Permit Expiration Date

Applicable Federal Requirement:

Expired by Mod 1

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

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the applicable emission limit or standard.

- The ranges or designated conditions for such indicators, or the process by which such indicators ranges or designated 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.

The initial report is due 1/30/2018.

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

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

**Condition 82: Emission Point Definition By Emission Unit
Effective between the dates of 02/28/2017 and Permit Expiration Date**

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 82.1(From Mod 1):

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

Emission Unit: 0-UKILN

Emission Point: 01068

Height (ft.): 54

Diameter (in.): 10

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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: 01041
Height (ft.): 10 Diameter (in.): 12
NYTMN (km.): 4795.946 NYTME (km.): 611.95 Building: KFSILO

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

Item 82.2(From Mod 0):

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

Emission Unit: U-CLTRN

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

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

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

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

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

Emission Point: 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

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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(From Mod 0):

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
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(From Mod 0):

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

Emission Unit: U-PLYCM

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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(From Mod 0):

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

Emission Unit: U-QUARY

Emission Point: 00902
Height (ft.): 54 Diameter (in.): 24
NYTMN (km.): 4795.483 NYTME (km.): 612.33

Item 82.6(From Mod 0):

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(From Mod 0):

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

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Item 82.8(From Mod 0):

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

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

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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

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 between the dates of 02/28/2017 and Permit Expiration Date

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 83.1(From Mod 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

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Emission Source/Control: C0004 - Process

Item 83.2(From Mod 1):

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(From Mod 1):

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(From Mod 1):

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

Emission Unit: 0-UFUEL

Process: H04

Source Classification Code: 3-09-002-01

Process Description:

Unloading, and conveying of raggertail from Frontier Fibers. The fuel arrives on-site via trucks. Throughput information is not required to determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: R0004 - Process

Emission Source/Control: R0005 - Process

Item 83.5(From Mod 1):

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

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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 and 01068.

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 83.6(From Mod 1):

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 and 01068.

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)

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

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

Item 83.7(From Mod 1):

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 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 and 01068.

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 83.8(From Mod 1):

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

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subsequent permit modification for final authorization of use in this process. This process exhausts to emission point 01070 and 01068.

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 83.9(From Mod 1):

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

Emission Unit: 0-UKILN
Process: G06 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, compressor condensate generated on-site or Raggertail (alternative fuel). This process exhausts to emission point 01070 and 01068.

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 83.10(From Mod 1):

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

Emission Unit: 0-UKILN
Process: G07 Source Classification Code: 3-05-006-06
Process Description:

Operation of the pyroprocessing system without

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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 Raggertail (alternative fuel). This process exhausts to emission point 01070 and 01068.

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(From Mod 0):

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 83.12(From Mod 0):

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

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Item 83.13(From Mod 0):

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 83.14(From Mod 0):

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 83.15(From Mod 0):

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 83.16(From Mod 0):

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:

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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 83.17(From Mod 0):

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 83.18(From Mod 0):

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 83.19(From Mod 0):

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

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Item 83.20(From Mod 0):

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 83.21(From Mod 0):

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 83.22(From Mod 0):

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

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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 83.23(From Mod 0):

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 83.24(From Mod 0):

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

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Emission Unit: U-FINML

Process: M02

Source Classification Code: 3-05-006-08

Process Description:

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

Emission Source/Control: GP002 - Process

Item 83.25(From Mod 0):

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 83.26(From Mod 0):

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 83.27(From Mod 0):

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

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are fugitive.

Emission Source/Control: MR002 - Process

Item 83.28(From Mod 0):

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 83.29(From Mod 0):

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 83.30(From Mod 0):

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 83.31(From Mod 0):

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 83.32(From Mod 0):

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 83.33(From Mod 0):

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 83.34(From Mod 0):

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

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determine compliance. The emissions associated with this process are fugitive.

Emission Source/Control: 02012 - Process

Emission Source/Control: 02014 - Process

Item 83.35(From Mod 0):

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 83.36(From Mod 0):

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 83.37(From Mod 0):

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

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cement to Finish Mill #3 and the operation of the mill itself.

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

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

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

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

Emission Source/Control: 4290B - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4210A - Process

Emission Source/Control: 4230A - Process

Emission Source/Control: 4250A - Process

Emission Source/Control: 4270A - Process

Emission Source/Control: 4290A - Process

Item 83.38(From Mod 0):

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

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

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

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

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

Item 83.39(From Mod 0):

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 83.40(From Mod 0):

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 83.41(From Mod 0):

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 83.42(From Mod 0):

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

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Emission Unit: U-QUARY

Process: A02

Source Classification Code: 3-05-020-06

Process Description:

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

Emission Source/Control: STR12 - Process

Item 83.43(From Mod 0):

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 83.44(From Mod 0):

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 83.45(From Mod 0):

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 83.46(From Mod 0):

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 83.47(From Mod 0):

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 83.48(From Mod 0):

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.

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Emission Source/Control: OS001 - Process

Item 83.49(From Mod 0):

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 83.50(From Mod 0):

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 83.51(From Mod 0):

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 83.52(From Mod 0):

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:

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

Emission Source/Control: SD012 - Process

Item 83.53(From Mod 0):

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 83.54(From Mod 0):

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 83.55(From Mod 0):

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 83.56(From Mod 0):

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

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

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

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

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

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

Item 83.57(From Mod 0):

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 83.58(From Mod 0):

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



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

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

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

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

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

Item 83.59(From Mod 0):

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 83.60(From Mod 0):

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

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

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

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

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

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

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

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

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

Emission Source/Control: 6340A - Process
Design Capacity: 70 tons per hour

Item 83.61(From Mod 0):

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 83.62(From Mod 0):

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





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 between the dates of 02/28/2017 and Permit Expiration Date

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: 001313-99-1
Name: NICKEL OXIDE

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

CAS No: 007439-97-6
Name: MERCURY

CAS No: 007440-38-2
Name: ARSENIC

CAS No: 007440-43-9
Name: CADMIUM

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

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

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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 1-2: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 212-2.3 (b)

Item 1-2.1:

The Compliance Demonstration activity will be performed for the Facility.

Item 1-2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A sample of raggertail fuel will be taken each day the fuel is fired. Each month a composite of all the collected samples will be tested for the following:

Chlorine content, mercury, arsenic, beryllium, cadmium, chromium and nickel.

The permitting authority must be notified within 2 working days if any of the contaminants exceed the level sampled during the Raggertail stack test.

The Department may require additional stack testing if increases indicate the potential for adverse off-site ambient impacts.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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

**Condition 1-3: Compliance Demonstration
Effective for entire length of Permit**

Applicable State Requirement:6 NYCRR 212-2.3 (b)

New York State Department of Environmental Conservation

Permit ID: 5-5205-00013/00058

Facility DEC ID: 5520500013



Item 1-3.1:

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

Emission Unit: 0-UFUEL
Process: H04

Regulated Contaminant(s):

CAS No: 001313-99-1	NICKEL OXIDE
CAS No: 007440-38-2	ARSENIC
CAS No: 007440-43-9	CADMIUM

Item 1-3.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The raggetail, from Frontier Fiber, feed rate will be monitored to assure that it remains at less than or equal to 2.9 ton per hour (as received) to assure ambient impacts meet Part 212-2 requirements.

Process Material: FUEL

Parameter Monitored: FEED RATE

Upper Permit Limit: 2.9 tons per hour

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD - SEE MONITORING
DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

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