



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 4-0124-00001/00112
Mod 0 Effective Date: 09/13/2010 Expiration Date: 09/12/2015
Mod 1 Effective Date: 09/13/2010 Expiration Date: 09/12/2015
Mod 2 Effective Date: 09/13/2010 Expiration Date: 09/12/2015
Mod 3 Effective Date: 09/13/2010 Expiration Date: 09/12/2015
Mod 4 Effective Date: 09/13/2010 Expiration Date: 09/12/2015
Mod 5 Effective Date: 09/13/2010 Expiration Date: 09/12/2015
Mod 6 Effective Date: 09/13/2010 Expiration Date: 09/12/2015
Mod 7 Effective Date: 09/13/2010 Expiration Date: 09/12/2015
Mod 8 Effective Date: 08/27/2009 Expiration Date: No expiration date.
Mod 9 Effective Date: 08/27/2009 Expiration Date: No expiration date.
Mod 10 Effective Date: 08/27/2009 Expiration Date: No expiration date.
Mod 11 Effective Date: 08/27/2009 Expiration Date: No expiration date.
Mod 12 Effective Date: 07/19/2011 Expiration Date: 09/12/2015
Mod 13 Effective Date: 09/13/2010 Expiration Date: 09/12/2015

Permit Issued To: LAFARGE BUILDING MATERIALS INC
1916 RTE 9W
RAVENA, NY 12143

Facility: LAFARGE BUILDING MATERIALS INC
1916 US RTE 9W
RAVENA, NY 12143-0003

Contact: SARAH SWEENEY
LAFARGE BUILDING MATERIALS
1916 RTE 9W
RAVENA, NY 12143
(518) 756-5028

New York State Department of Environmental Conservation
Facility DEC ID: 4012400001



Description:

Ravena Plant Modernization Project.

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

Permit Administrator: WILLIAM J CLARKE
 DIVISION OF ENVIRONMENTAL PERMITS
 1130 N WESTCOTT RD
 SCHENECTADY, NY 12306-2014

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

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

Item B: Permittee's Contractors to Comply with Permit

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

Item C: Permittee Responsible for Obtaining Other Required Permits

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

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

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



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

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

Facility Level

- Submission of application for permit modification or renewal-REGION 4 HEADQUARTERS

DEC SPECIAL CONDITIONS

- SEQR Special Conditions
- Tire dervied fuel



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 5-1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 5-1.1:

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 5-1.2:

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 5-1.3:

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 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 5-2: Relationship of this Permit to Other Department Orders and Determinations

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

Item 5-2.1:

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

Condition 3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:

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

Item 3.2:

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

Item 3.3:

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

Condition 5-3: Applications for permit renewals, modifications and transfers

Applicable State Requirement: 6 NYCRR 621.11

Item 5-3.1:

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 5-3.2:

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

Item 5-3.3:

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



Condition 12-1: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 12-1.1:

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.

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 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.

Condition 4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:

The Department reserves the right to 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.

Condition 5-4: Permit modifications, suspensions or revocations by the Department

Applicable State Requirement: 6 NYCRR 621.13

Item 5-4.1:

The Department reserves the right 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 4 HEADQUARTERS

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 4 Headquarters
Division of Environmental Permits
1130 North Westcott Rd.
Schenectady, NY 12306-2014

(518) 35



DEC SPECIAL CONDITIONS

7-2069

Condition 12-2: SEQR Special Conditions
Applicable State Requirement: 6 NYCRR Part 617

Item 12-2.1:

Plans and Schedule

1) Project Schedule: The permittee shall construct and operate the Ravena Plant Modernization Project (the project) in accordance with the project schedule in Figure 1-3 on Page 1-9 of the Final Environmental Impact Statement (FEIS).

2) Conformance with Plans: The permittee shall construct and operate the project in accordance with the FEIS Appendix A Design Plans:

D	RVN 000 C902	Rev A	6/15/2010
D	RVN 114 L011	Rev G	3/11/2009
D	RVN 117 L011	Rev G	3/11/2009
D	RVN 138 L011	Rev G	3/11/2009
D	RVN 233 L011	Rev G	3/11/2009
D	RVN 305 L011	Rev G	3/11/2009
B	RVN 309 L011	Rev G	3/11/2009
D	RVN 330 L011	Rev G	3/11/2009
D	RVN 331 L011	Rev G	3/11/2009
D	RVN 332 L011	Rev G	3/11/2009
D	RVN 333 L011	Rev G	3/11/2009
D	RVN 334 L011	Rev G	3/11/2009
D	RVN 334 L012	Rev G	3/11/2009
D	RVN 335 L011	Rev G	3/11/2009
D	RVN 336 L011	Rev G	3/11/2009
D	RVN 337 L011	Rev G	3/11/2009
D	RVN 416 L011	Rev G	3/11/2009
D	RVN 436 L011	Rev G	3/11/2009
D	RVN 456 L011	Rev G	3/11/2009
D	RVN 456 L012	Rev G	3/11/2009
D	RVN 632 L011	Rev G	3/11/2009
D	RVN 633 L011	Rev G	3/11/2009
D	RVN 660 L011	Rev G	3/11/2009
D	RVN 680 L011	Rev G	3/11/2009
D	RVN 818 L011	Rev G	3/11/2009

As-builts will be prepared upon the completion of construction to document any Department approved deviations for the Design Plans in Appendix A.

Air Pollution Control

3) Waste Heat Recovery Facility: The permittee shall construct and operate a new six megawatt (MW) waste heat recovery cogeneration unit in accordance with the Phase 2 project schedule in Figure 1-3 on page 1-9 of the FEIS and startup no later than 12/31/2019. The permittee shall install and operate the cogeneration unit in accordance with:

Plans contained in the FEIS and application (Appendix A Design Drawings: RVN 818 L011),



August 2010.

Greenhouse Gas Best Available Control Technology Analysis for the Ravenna Plant Modernization Project, November 18, 2010.

4) Enclose Raw Material Piles: The permittee shall enclose the limestone raw material pile in accordance with the Phase 2 project schedule in Figure 1-3 on page 1-9 of the FEIS no later than 12/31/2019. The permittee shall enclose the limestone raw material pile as indicated on or in accordance with:

The facility plans and the graphic depiction of the proposed facility represented in the DEIS (see graphic depiction Lafarge Modernization Project FEIS Cover - simulated photo, and Appendix A Design Drawings: D RVN 000 C902 A), August 2010.

The Air Title V application, Tab C submitted September 2010.

This enclosure will result in new emission points in accordance with Tab C of the September 2010 submitted Air Title V application, dust collector #3, emission point 13802, and dust collector #4, emission point 13803 which are both in emission unit #0-21000 as shown on drawing RVN 138 L011 in Tab J of the April 2009 air application.

5) Particulate Monitoring: The permittee shall install, maintain and operate two PM10/PM2.5 monitors in accordance with the requirements in Chapter 20, Section 20.8.4, August 2010 Draft Environmental Impact Statement for a period of 365 days commencing upon the operation of the new kiln near the Ravenna Plant site. As depicted on Figure 22-2PM (Attachment A) one monitor shall be installed and operated at the northwestern edge of the Ravenna Plant site (location is on Lafarge property adjacent to the intersection of the Old Ravenna Road bridge over the railroad tracks), and one shall be installed and operated at the Ravenna-Coeymans-Selkirk High School with the specific location to be determined. The permittee shall submit a monitoring protocol to the Department for review and approval no less than 120 days before installation. Data shall be provided to the Department in electronic form on a monthly basis by no later than the 15th day of the following month. The Department reserves the right to require continued operation of these air monitors based upon the data collected. If the data confirms that both sites are below the annual average standard and there are no exceedances of the daily standard, the Department will allow Lafarge to discontinue the monitoring program. If the data indicates marginal compliance with the annual standard and/or exceedances of the daily standard, the Department will require the monitoring program to continue.

6) Tire Derived Fuel: Tire Derived Fuel (TDF) is authorized in the existing currently operating cement kilns only if constructed and operated in strict accordance with the permit application documents listed below:

Environmental Assessment Form and all attachments and figures (signed 7/19/2005).

Technical Memorandum Visual Assessment Summary (July, 2004).

Beneficial Use Determination including all Appendices, Application or Modification of Part 360 Permit – Tire Storage Facility Permit (11/22/2004) and all appendices, attachments and plans.

Revised Title V Air Permit Application, May 3, 2005.



Revised Application for Mid-Kiln Firing of Tire Derived Fuel – Lafarge Building Material, Inc., Ravena NY (January, 2005).

Plans – tire Derived Fuel – Parking/Storage, Haul Road Handling and Feed Drawings 607B205 (3/31/06), 607B207 (3/31/06), 607B215 (3/31/06), 607B216 (3/31/06), RVN663D001 (3/14/06), RVN663D002 (9/20/05), RVND003 (4/14/06), RVN663D004 (9/23/05), RVN663D005 (10/7/05).

Letter from William Clarke NYSDEC to Lafarge, June 28, 2005.

Letter from Lafarge to Mr. Thomas Haley, NYSDEC, June 21, 2004.

Visual

7) Tower/Stack Design and Exhaust Plume: The permittee shall construct the pre-heater/pre-calciner structure in accordance with the “Partially Enclosed Tower/Stack Structure”(PET/SS) as described in the FEIS in Chapter 9 Section 9.5, page 9-53 and Chapter 25 pages 25-9, 25-12 and depicted graphically in Figures 9-36 through 9-44 inclusive, Figure 25-7, graphic depiction Lafarge Modernization Project FEIS Cover - simulated photo and the Design Plans in Appendix A listed in Special Condition 2 above. The permittee shall implement the operating parameters as described on page 9-75 (including Table 9-3) of the FEIS.

8) Existing Stack Demolition: The permittee shall adhere to the stack demolition schedule in accordance with the project schedule in Figure 1-3 on page 1-9 of the FEIS.

9) Landscaping Schedule: Within 120 days of the effective date this permit, the permittee shall prepare and submit a visual enhancement and screening landscaping plan – including an implementation schedule - to the Department for review and approval.

Noise

10) Noise: The permittee shall not exceed the total noise levels and increase (or incremental) in noise levels due to the construction and operation of the modernized Ravena Plant as shown in the FEIS Tables 22-8 through 22-20 inclusive and Section 22.6.5 on page 22-23 with Table 22-7. The receptors identified in these tables are shown in the FEIS Figures 22-2, 22-3 and 22-4.

Wildlife and Habitat

11) Wildlife Management Plan: Within 180 days of the effective date of this permit, the permittee shall submit to the Department for review and approval a 2011 update of the “2006 Wildlife Management Plan Update” prepared by a professional wildlife biologist or ecologist and which has been revised in response to 6/7/2011 Department comments including an updated current map covering undeveloped lands keyed to the updated management plan. Additional changes to the plan shall be made by the permittee as directed by the Department in order to achieve an approvable document. The permittee shall implement the department approved plan within 30 days of approval.

12) Bat/Bird Monitoring Plan: Within 180 days of the effective date of this permit, the permittee shall submit to the Department for review and approval, a protocol for monitoring bird and bat strikes on the preheater/precalciner tower during the first spring and fall migration period following construction of the tower. The monitoring protocol shall be prepared by a professional wildlife biologist or ecologist and incorporate monitoring methods contained in recent scientific studies intended to evaluate post-construction bird mortalities associated with



wind turbines, communication towers, and other structures, and shall contain a Literature Cited section referencing relevant studies, projects or recommendations. The March 2010 report submitted to the US Fish & Wildlife Service (USFWS) by the Wind Turbine Guidelines Advisory Committee shall be considered in the report and referenced. Within 30 days after the end of the first migration period (Spring or Fall) following the construction of the tower the permittee shall submit for review and approval an interim report to the Department including any recommendations with an implementation schedule to minimize to the maximum extent practicable bat and/or bird mortality if found to occur during the monitoring period. Within 60 days of the end of the second post construction migration season which follows the first (i.e. Spring followed by Fall or Fall followed by Spring) the permittee shall submit for review and approval a final report to the Department including any recommendations with an implementation schedule to minimize to the maximum extent practicable bat and/or bird mortality if found to occur during the monitoring period.

Condition 7: Tire derived fuel

Applicable State Requirement: 6 NYCRR 621.4 (g)

Item 7.1:

The permittee shall construct and operate the approved project to use Tire Derived Fuel (TDF) in firing the cement kilns in strict accordance with the permit application including supporting documentation such as, but not limited to, modeling. Such documents are listed below:

- *Environmental Assessment Form and all attachments and figures (signed 7/19/2005).
- *Technical Memorandum Visual Assessment Summary (July, 2004).
- *Beneficial Use Determination including all Appendices, Application for Modification of Part 360 Permit - Tire Storage Facility Permit (11/22/2004) and all appendices, attachments and plans.
- *Revised Title V Air Permit Application, May 3, 2005
- *Revised Application for Mid-Kiln Firing of Tire Derived Fuel-Lafarge Building Material, Inc., Ravena NY (January, 2005).
- *Plans - Tire Derived Fuel - Parking/Storage, Haul Road Handling and Feed Drawings 607B205 (3/31/06), 607B207 (3/31/06), 607B215 (3/31/06), 607B216 (3/31/06), RVN663D001 (3/14/06), RVN663D002 (9/20/05), RVND003 (4/14/06), RVN663D004 (9/23/05), RVN663D005 (10/7/05).
- *Letter from William Clarke, NYSDEC to Lafarge, June 28, 2005
- *Letter from Lafarge to Mr. Thomas Haley, NYSDEC, June 21, 2004

Where there is a conflict between specific parts of the application and specific permit conditions the specific permit conditions shall supercede and apply. (See also 6 NYCRR 201-6.3.)

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: LAFARGE BUILDING MATERIALS INC
1916 RTE 9W
RAVENA, NY 12143

Facility: LAFARGE BUILDING MATERIALS INC
1916 US RTE 9W
RAVENA, NY 12143-0003

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

Mod 0 Permit Effective Date: 09/13/2010	Permit Expiration Date: 09/12/2015
Mod 1 Permit Effective Date: 09/13/2010	Permit Expiration Date: 09/12/2015
Mod 2 Permit Effective Date: 09/13/2010	Permit Expiration Date: 09/12/2015
Mod 3 Permit Effective Date: 09/13/2010	Permit Expiration Date: 09/12/2015
Mod 4 Permit Effective Date: 09/13/2010	Permit Expiration Date: 09/12/2015
Mod 5 Permit Effective Date: 09/13/2010	Permit Expiration Date: 09/12/2015
Mod 6 Permit Effective Date: 09/13/2010	Permit Expiration Date: 09/12/2015
Mod 7 Permit Effective Date: 09/13/2010	Permit Expiration Date: 09/12/2015
Mod 13 Permit Effective Date: 09/13/2010 09/12/2015	Permit Expiration Date:
Mod 12 Permit Effective Date: 07/19/2011 09/12/2015	Permit Expiration Date:



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1 6 NYCRR 200.6: Acceptable Ambient Air Quality
- 12-1 6 NYCRR 201-6.5 (a) (7): Fees
- 3 6 NYCRR 201-6.5 (c): Recordkeeping and reporting of compliance monitoring
- 4 6 NYCRR 201-6.5 (c) (2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 12-2 6 NYCRR 201-6.5 (c) (3) (ii): Compliance Certification
- 6 6 NYCRR 202-2.1: Compliance Certification
- 7 6 NYCRR 202-2.5: Recordkeeping requirements
- 8 6 NYCRR 215.2: Open Fires - Prohibitions
- 9 6 NYCRR 200.7: Maintenance of Equipment
- 10 6 NYCRR 201-1.7: Recycling and Salvage
- 11 6 NYCRR 201-1.8: Prohibition of Reintroduction of Collected Contaminants to the air
- 12 6 NYCRR 201-3.2 (a): Exempt Sources - Proof of Eligibility
- 13 6 NYCRR 201-3.3 (a): Trivial Sources - Proof of Eligibility
- 14 6 NYCRR 201-6.5 (a) (4): Standard Requirement - Provide Information
- 15 6 NYCRR 201-6.5 (a) (8): General Condition - Right to Inspect
- 16 6 NYCRR 201-6.5 (d) (5): Standard Requirements - Progress Reports
- 17 6 NYCRR 201-6.5 (f) (6): Off Permit Changes
- 18 6 NYCRR 202-1.1: Required Emissions Tests
- 20 40 CFR Part 68: Accidental release provisions.
- 21 40CFR 82, Subpart F: Recycling and Emissions Reduction
- 22 6 NYCRR 200.7: Compliance Certification
- 23 6 NYCRR Subpart 201-6: Emission Unit Definition
- 24 6 NYCRR 201-6.5 (e): Reporting Requirements
- 25 6 NYCRR 201-6.5 (e): Compliance Certification
- 12-3 6 NYCRR 201-6.5 (f): Compliance Certification
- *12-4 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *12-5 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 12-6 6 NYCRR 202-1.1: Compliance Certification
- 12-7 6 NYCRR 202-1.1: Compliance Certification
- 28 6 NYCRR 202-1.2: Notification
- 29 6 NYCRR 202-1.3 (a): Acceptable procedures
- 12-8 6 NYCRR 211.1: Air pollution prohibited
- 12-9 6 NYCRR 211.1: Compliance Certification
- 30 6 NYCRR 212.3 (b): Compliance Certification
- 31 6 NYCRR 212.4 (c): Compliance Certification
- 32 6 NYCRR 212.6 (a): Compliance Certification
- 12-11 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 12-12 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 12-13 6 NYCRR 225-1.2 (a) (2): Compliance Certification
- 12-10 6 NYCRR 225-1.2 (d): Compliance Certification
- 12-14 6 NYCRR Subpart 231-8: Kiln restriction
- 12-15 6 NYCRR Subpart 231-8: Compliance Certification
- 12-16 6 NYCRR Subpart 231-8: Compliance Certification



- 12-17 6 NYCRR Subpart 231-8: Compliance Certification
- 12-18 6 NYCRR 243-1.6 (a): Permit Requirements
- 12-19 6 NYCRR 243-1.6 (b): Monitoring requirements
- 12-20 6 NYCRR 243-1.6 (c): NOx Ozone Season Emission Requirements
- 12-21 6 NYCRR 243-1.6 (d): Excess emission requirements
- 12-22 6 NYCRR 243-1.6 (e): Recordkeeping and reporting requirements
- 12-23 6 NYCRR 243-2.1: Authorization and responsibilities of CAIR designated representative
- 12-24 6 NYCRR 243-2.4: Certificate of representation
- 12-25 6 NYCRR 243-8.1: General requirements
- 12-26 6 NYCRR 243-8.1: Prohibitions
- 12-27 6 NYCRR 243-8.5 (d): Quarterly reports
- 12-28 6 NYCRR 243-8.5 (e): Compliance certification
- 12-29 40CFR 60.254(b), NSPS Subpart Y: Compliance Certification
- 12-30 40CFR 60.254(b), NSPS Subpart Y: Compliance Certification
- 12-31 40CFR 60.670(a), NSPS Subpart OOO: Compliance Certification
- 12-32 40CFR 60.674(c), NSPS Subpart OOO: Compliance Certification
- 12-33 40CFR 63.1341, NESHAP Subpart LLL: New source definition
- 47 40CFR 63.1342, Subpart LLL: Part 63 General Provisions requirements
- 12-34 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-35 40CFR 63.1343(e), NESHAP Subpart LLL: Compliance Certification
- 12-36 40CFR 63.1343(e), NESHAP Subpart LLL: Compliance Certification
- 12-37 40CFR 63.1343(e), NESHAP Subpart LLL: Compliance Certification
- 12-38 40CFR 63.1343(e), NESHAP Subpart LLL: Compliance Certification
- 12-39 40CFR 63.1347, Subpart LLL: Compliance Certification
- 12-40 40CFR 63.1347, Subpart LLL: Compliance Plan
- 12-41 40CFR 63.1350(f), Subpart LLL: Compliance Certification
- 12-42 40CFR 63.1350(f), Subpart LLL: Compliance Certification
- 12-43 40CFR 63.1350(f), Subpart LLL: Compliance Certification
- 12-44 40CFR 63.1350(g), NESHAP Subpart LLL: Compliance Certification
- 12-45 40CFR 63.1353, Subpart LLL: Notification Requirements
- 12-46 40CFR 63.1355, Subpart LLL: Recordkeeping Requirements

Emission Unit Level

- 60 6 NYCRR Subpart 201-6: Emission Point Definition By Emission Unit
- 61 6 NYCRR Subpart 201-6: Process Definition By Emission Unit
- 12-47 6 NYCRR Subpart 201-7: Emission Unit Permissible Emissions
- 12-48 6 NYCRR Subpart 201-7: Process Permissible Emissions
- 12-49 6 NYCRR 201-7.1: Emission Unit Permissible Emissions
- 62 40CFR 63.1354, Subpart LLL: Reporting Requirements

EU=0-41000

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

EU=0-41000,Proc=K12,ES=4KLN1

- 12-50 40CFR 63.1346, Subpart LLL: Compliance Certification

EU=0-41000,Proc=K12,ES=4KLN2

- 12-51 40CFR 63.1346, Subpart LLL: Compliance Certification

EU=0-41000,EP=43101,Proc=K12

- *70 6 NYCRR 201-7.1: Capping Monitoring Condition
- *71 6 NYCRR 201-7.1: Capping Monitoring Condition



- *72 6 NYCRR 201-7.1: Capping Monitoring Condition
- 75 40CFR 52.21(r), Subpart A: Compliance Certification
- 77 40CFR 63.10(e)(3)(i), Subpart A: Compliance Certification
- 12-52 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-53 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-54 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-55 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-56 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-57 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-58 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-59 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-60 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification

EU=0-4100,EP=43101,Proc=K12

- 12-61 40CFR 63.1343(b)(3), Subpart LLL: Compliance Certification
- 12-62 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification

EU=0-4100,EP=45101,Proc=K12

- 12-63 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification

EU=0-41100

- *12-64 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- *12-65 6 NYCRR Subpart 201-7: Capping Monitoring Condition
- 12-66 6 NYCRR Subpart 231-8: Compliance Certification
- 12-67 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification

EU=0-41100,EP=33401,Proc=CCL

- 12-68 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-69 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification

EU=0-41100,EP=33401,Proc=KLN

- 12-70 40CFR 60.62(a)(3), NSPS Subpart F: Compliance Certification
- 12-71 40CFR 60.62(a)(4), NSPS Subpart F: Compliance Certification
- 12-72 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-73 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-74 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-75 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-76 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-77 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification
- 12-78 40CFR 63.1343(b)(1), Subpart LLL: Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 84 ECL 19-0301: Contaminant List
- 85 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 12-79 6 NYCRR 211.2: Visible Emissions Limited
- 88 6 NYCRR 220-1.4 (c): Compliance Demonstration
- 12-80 6 NYCRR 220-1.6 (a): Compliance Demonstration
- 90 6 NYCRR 220-1.6 (b) (1): Compliance Demonstration
- 91 6 NYCRR 220-1.6 (b) (1): Compliance Demonstration

Emission Unit Level

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



EU=0-41000

- 92 6 NYCRR 212.9: Compliance Demonstration
- 93 6 NYCRR 212.11: Compliance Demonstration
- 94 6 NYCRR 220-1.2 (b): Compliance Demonstration

EU=0-41000,EP=43101,Proc=K12

- 96 6 NYCRR 220-1.7 (a): Compliance Demonstration
- 12-81 6 NYCRR 220-1.4 (a): Compliance Demonstration

EU=0-42000

- 97 6 NYCRR 220-1.5 (a): Particulate emissions from dust dumps
- 98 6 NYCRR 220-1.5 (b): Particulate emissions from dust dumps
- 99 6 NYCRR 220-1.5 (c): Particulate emissions from dust dumps

NOTE: * preceding the condition number indicates capping.



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

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

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

Item L: Permit Exclusion - ECL 19-0305

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



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

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

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

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

Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

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

Condition 12-1: Fees
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-1.1:

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

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 3.1:



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

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

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

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

Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 4.1:

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

Condition 12-2: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-2.1:

The Compliance Certification activity will be performed for the Facility.

Item 12-2.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Submit reports of any required monitoring at a minimum



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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

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

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

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

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

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.



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

Condition 6: Compliance Certification
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 202-2.1

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 7: Recordkeeping requirements
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 7.1:

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

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

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

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

Condition 8: Open Fires - Prohibitions
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 215.2

Item 8.1:

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

Item 8.2

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

(a) On-site burning in any town with a total population less than 20,000 of downed limbs and



branches (including branches with attached leaves or needles) less than six inches in diameter and eight feet in length between May 15th and the following March 15th. For the purposes of this subdivision, the total population of a town shall include the population of any village or portion thereof located within the town. However, this subdivision shall not be construed to allow burning within any village.

- (b) Barbecue grills, maple sugar arches and similar outdoor cooking devices when actually used for cooking or processing food.
- (c) Small fires used for cooking and camp fires provided that only charcoal or untreated wood is used as fuel and the fire is not left unattended until extinguished.
- (d) On-site burning of agricultural wastes as part of a valid agricultural operation on contiguous agricultural lands larger than five acres actively devoted to agricultural or horticultural use, provided such waste is actually grown or generated on those lands and such waste is capable of being fully burned within a 24-hour period.
- (e) The use of liquid petroleum fueled smudge pots to prevent frost damage to crops.
- (f) Ceremonial or celebratory bonfires where not otherwise prohibited by law, provided that only untreated wood or other agricultural products are used as fuel and the fire is not left unattended until extinguished.
- (g) Small fires that are used to dispose of a flag or religious item, and small fires or other smoke producing process where not otherwise prohibited by law that are used in connection with a religious ceremony.
- (h) Burning on an emergency basis of explosive or other dangerous or contraband materials by police or other public safety organization.
- (i) Prescribed burns performed according to Part 194 of this Title.
- (j) Fire training, including firefighting, fire rescue, and fire/arson investigation training, performed under applicable rules and guidelines of the New York State Department of State's Office of Fire Prevention and Control. For fire training performed on acquired structures, the structures must be emptied and stripped of any material that is toxic, hazardous or likely to emit toxic smoke (such as asbestos, asphalt shingles and vinyl siding or other vinyl products) prior to burning and must be at least 300 feet from other occupied structures. No more than one structure per lot or within a 300 foot radius (whichever is bigger) may be burned in a training exercise.
- (k) Individual open fires as approved by the Director of the Division of Air Resources as may be required in response to an outbreak of a plant or animal disease upon request by the commissioner of the Department of Agriculture and Markets, or for the destruction of invasive plant and insect species.
- (l) Individual open fires that are otherwise authorized under the environmental conservation law, or by rule or regulation of the Department.

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

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

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

**Condition 9: Maintenance of Equipment
Effective between the dates of 09/13/2010 and 09/12/2015**



Applicable Federal Requirement:6 NYCRR 200.7

Item 9.1:

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

Condition 10: Recycling and Salvage
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 10.1:

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

Condition 11: Prohibition of Reintroduction of Collected Contaminants to the air
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 11.1:

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

Condition 12: Exempt Sources - Proof of Eligibility
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 12.1:

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

Condition 13: Trivial Sources - Proof of Eligibility
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 13.1:

The owner and/or operator of an emission source or unit that is listed as being trivial in this Part

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

Condition 14: Standard Requirement - Provide Information
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 14.1:

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

Condition 15: General Condition - Right to Inspect
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 15.1:

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

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

Condition 16: Standard Requirements - Progress Reports
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 16.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 17: Off Permit Changes
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 17.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 18: Required Emissions Tests
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 18.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 20: Accidental release provisions.
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:40 CFR Part 68

Item 20.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

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

Condition 21: Recycling and Emissions Reduction
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:40CFR 82, Subpart F

Item 21.1:

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

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

Condition 22: Compliance Certification
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 200.7

Item 22.1:

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

Emission Unit: 0-41000	Emission Point: 43101
Process: K12	Emission Source: 4ESP1

Emission Unit: 0-41000	Emission Point: 43101
Process: K12	Emission Source: 4ESP2

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Item 22.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The "Precipitator Maintenance Plan" submitted to the Department December 15, 1992 (written by Lawrence Stevens of J. R. Hall, Ltd.) and the applicable recommendations of Chapter III, Parts 3 and 4 of the "2007 Evaluation Performance of the Kilns and Electrostatic Precipitators" dated June 29, 2007 (by TRK Engineering Services, Carlisle, MA) shall be implemented.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 23: Emission Unit Definition
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1(From Mod 12):

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

Emission Unit: 0-20000

Emission Unit Description:

THIS UNIT CONSISTS OF EXISTING SOURCES INVOLVED IN THE HANDLING OF THE RAW MATERIALS AND SOLID FUELS AT THE FACILITY.

Building(s): 2NDCRUSHER
LIMESTONES
MASONSILO
MILLBLDING

Item 23.2(From Mod 12):

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

Emission Unit: 0-21000

Emission Unit Description:

THIS UNIT CONSISTS OF NEW RAW MATERIALS AND ADDITIVES, STORAGE EQUIPMENT, INCLUDING A NEW SECONDARY CRUSHER AND SCREEN.

Building(s): MILLBLDG
NEW2NDCR
PREBLEND
RAWMAT1
RAWMAT2

Item 23.3(From Mod 12):

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-22000

Emission Unit Description:

THIS UNIT CONSISTS OF THE NEW COAL
HANDLING, STORAGE, AND PROCESSING SOURCES.

Building(s): ASF
COALBH
COALRAW1
PFSILO

Item 23.4(From Mod 12):

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

Emission Unit: 0-31000

Emission Unit Description:

EMISSION 031000 CONSISTS OF THE RAW MILL 1
SYSTEM WHICH INCLUDES AN ADDITIVE
BELT/COLLECTOR BELT AND MILL FEED BELT.
THE ENTIRE SYSTEM IS LOCATED IN THE MILL
BUILDING

Building(s): MILLBLDING

Item 23.5(From Mod 12):

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

Emission Unit: 0-32000

Emission Unit Description:

EMISSION 032000 CONSISTS OF THE RAW MILL 2
SYSTEM WHICH INCLUDES AN ADDITIVE
BELT/COLLECTOR BELT AND A MILL FEED BELT.
THE ENTIRE SYSTEM IS LOCATED IN THE MILL
BUILDING.

Building(s): MILLBLDING

Item 23.6(From Mod 12):

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

Emission Unit: 0-33000

Emission Unit Description:

THIS UNIT CONSISTS OF THE NEW RAW MILL AND
KILN FEED SOURCES.

Building(s): BLEND
PREHEAT
RAWMILL
RMCYCLON

Item 23.7(From Mod 12):

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

Emission Unit: 0-41000

Emission Unit Description:

EMISSION UNIT 041000 CONSISTS OF THE TWO
ROTARY, WET PROCESS KILNS (KILN 1 AND KILN

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



2) AND THE TWO CLINKER COOLERS (CLINKER COOLER 1 AND CLINKER COOLER 2). THERE ARE BUILDINGS AT EITHER END OF THE KILNS; THE DISCHARGE END BUILDING WHERE THE CLINKER COOLERS ARE LOCATED, AND THE FEED END BUILDING.

Building(s): DISCHENDBG
FEEDENDBLG

Item 23.8(From Mod 12):

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

Emission Unit: 0-41100

Emission Unit Description:

THIS UNIT CONSISTS OF THE NEW KILN SYSTEM AND CLINKER COOLER INCLUDING THE KILN, IN-LINE RAW MILL, PREHEATER/PRECALCINER, COAL MILL, ALKALI BYPASS, AND CLINKER COOLER, ALL VENTED THROUGH THE MAIN KILN STACK.

Building(s): BYPASS
KILNBH
PREHEAT

Item 23.9(From Mod 12):

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

Emission Unit: 0-41200

Emission Unit Description:

THIS UNIT CONSISTS OF THE KILN AND BYPASS DUCT SYSTEM AND ASSOCIATED DUST COLLECTORS.

Building(s): BYPASS
KILNBH
SCRUBBER

Item 23.10(From Mod 12):

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

Emission Unit: 0-42000

Emission Unit Description:

THIS UNIT CONSISTS OF EXISTING CLINKER DRAG CONVEYORS, BUCKET ELEVATORS, STORAGE SILOS NOS. 8 AND 11 AND ASSOCIATED DUST COLLECTORS. THE DUST SCOOP SYSTEMS CURRENTLY PERMITTED AS PART OF THIS UNIT WILL BE REMOVED.

Building(s): DEWATER
DISCHENDBG
MILLBLDING
PUGBLDG



SCRUBBER

Item 23.11(From Mod 12):

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

Emission Unit: 0-43000

Emission Unit Description:

THIS UNIT CONSISTS OF THE NEW CLINKER HANDLING AND STORAGE EQUIPMENT AND ASSOCIATED DUST COLLECTORS.

Building(s): CLINK1
CLINK2
CLINKER
COOLER
COOLERBH
HEATX
HOTBIN
POWER

Item 23.12(From Mod 12):

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

Emission Unit: 0-51000

Emission Unit Description:

THIS UNIT CONSISTS OF EXISTING AND MODIFIED EQUIPMENT ASSOCIATED WITH FINISH MILL NO. 1. THIS INCLUDES FEED BELTS TO THE CEMENT MILL, CONVEYING EQUIPMENT AFTER THE MILL (BUCKET ELEVATOR AND AIR SLIDES), THE MILL 1 SEPARATOR AND CEMENT COOLER. ALL OF THE COMPONENTS OF THE CEMENT MILL 1 SYSTEM ARE CONTAINED IN THE MILL BUILDING.

Building(s): MILLBLDG
MILLBLDING

Item 23.13(From Mod 12):

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

Emission Unit: 0-52000

Emission Unit Description:

EMISSION UNIT 052000 CONSISTS OF THE CEMENT MILL 2 SYSTEM. THIS INCLUDES FEED BELTS TO THE CEMENT MILL, THE MILL, CONVEYING EQUIPMENT AFTER THE MILL (BUCKET ELEVATOR AND AIR SLIDES), THE MILL 2 SEPARATOR AND CEMENT COOLER. ALL OF THE COMPONENTS OF THE CEMENT MILL 2 SYSTEM ARE CONTAINED IN THE MILL BUILDING.

Building(s): MILLBLDING

Item 23.14(From Mod 12):

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-53000

Emission Unit Description:

THIS UNIT CONSISTS OF EXISTING AND MODIFIED EQUIPMENT ASSOCIATED WITH FINISH MILL NO. 3. THIS INCLUDES FEED BELTS TO THE CEMENT MILL, THE MILL, CONVEYING EQUIPMENT AFTER THE MILL (BUCKET ELEVATOR AND AIR SLIDES), THE MILL 3 SEPARATOR AND CEMENT COOLER. COMPONENTS OF THE CEMENT MILL 1 SYSTEM ARE CONTAINED IN THE MILL BUILDING.

Building(s): MILLBLDG
MILLBLDING

Item 23.15(From Mod 12):

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

Emission Unit: 0-54000

Emission Unit Description:

EMISSION UNIT 054000 CONSISTS OF THE CEMENT MILL 4 SYSTEM. THIS INCLUDES FEED BELTS TO THE CEMENT MILL, THE MILL, CONVEYING EQUIPMENT AFTER THE MILL (BUCKET ELEVATOR AND AIR SLIDES), THE TWO MILL 4 SEPARATORS AND CEMENT COOLER. ALL OF THE COMPONENTS OF THE CEMENT MILL 4 SYSTEM ARE CONTAINED IN THE MILL BUILDING.

Building(s): MILLBLDING

Item 23.16(From Mod 12):

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

Emission Unit: 0-55000

Emission Unit Description:

THIS UNIT CONSISTS OF ALL EQUIPMENT ASSOCIATED WITH NEW FINISH MILL NO. 5 INCLUDING THE ADDITIVE STORAGE AND MILL FEED SYSTEMS.

Building(s): FM5
FM5BH
FMBINS
MILLBLDG

Item 23.17(From Mod 12):

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

Emission Unit: 0-71000

Emission Unit Description:

THIS UNIT CONSISTS OF EXISTING CEMENT STORAGE, LOADOUT AND PRODUCT SHIPMENT ACTIVITIES AT THE FACILITY. SPECIFICALLY, THIS INCLUDES THE CUSTOMER SILOS, NORTH AND



SOUTH TRUCK LOADING SPOUTS, THE RAILCAR LOADING SPOUTS LOCATED AT THE CUSTOMER SILOS, AND THE EAST AND WEST BAGGING MACHINES LOCATED IN THE PACKHOUSE AS WELL AS THE REVERSIBLE CONVEYORS WHICH TRANSFER PRODUCT TO THESE AREAS. MISCELLANEOUS EMISSION SOURCES ASSOCIATED WITH THE PACKHOUSE (BAG SHREDDER AND VACUUM) ARE ALSO INCLUDED IN EU 071000.

Building(s): CUSTOSILOS
PACKHSEBLG

Item 23.18(From Mod 12):

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

Emission Unit: 0-71100

Emission Unit Description:

THIS UNIT CONSISTS OF THE NEW CEMENT TRANSFER SYSTEM.

Building(s): CUSTSILOS

Item 23.19(From Mod 12):

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

Emission Unit: 0-72000

Emission Unit Description:

THIS UNIT CONSISTS OF EXISTING COVERED BELT CONVEYORS USED TO TRANSPORT FINISHED CEMENT BETWEEN THE CUSTOMER AND BUFFER SILOS AND FROM THE SILOS TO THE WHARF AREA FOR BARGE SHIPMENT. IT ALSO INCLUDES THE BUFFER SILOS. THE BELT THAT TRANSFERS PRODUCT BETWEEN THE CUSTOMER AND BUFFER SILOS IS LOCATED AT THE NORTH END OF THE BUFFER SILOS. THE THREE BELTS WHICH TRANSPORT PRODUCT TO THE WHARF ARE BELTS 8A, 8B, AND 9. PARTICULATE EMISSIONS FROM ALL TRANSFER POINTS ARE CONTROLLED BY BAGHOUSES.

Building(s): BUFFESILOS

Item 23.20(From Mod 12):

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

Emission Unit: 0-73000

Emission Unit Description:

EMISSION UNIT 073000 CONSISTS OF THE K-CEMENT IMPORT AND STORAGE SYSTEM. K-CEMENT IS IMPORTED BY RAILCAR AND STORED IN TWO BERTHA TANKS LOCATED OUTSIDE BY THE CUSTOMER SILOS. PARTICULATE EMISSIONS FROM THE TRANSFER OF K-CEMENT INTO THE TANKS ARE



CONTROLLED BY A BAGHOUSE.

Item 23.21(From Mod 12):

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

Emission Unit: 0-90000

Emission Unit Description:

EMISSION UNIT 090000 CONTAINS EXISTING
EMISSION SOURCES INVOLVED IN THE FACILITY'S
QUARRY OPERATIONS. THIS INCLUDES THE
PRIMARY CRUSHER LOCATED IN THE PRIMARY
CRUSHER BUILDING.

Building(s): PRCRUSHER

Item 23.22(From Mod 12):

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

Emission Unit: 0-91000

Emission Unit Description:

THIS UNIT CONSISTS OF THE PLANT ROADS AND
PILES OUTSIDE THE QUARRY.

Item 23.23(From Mod 12):

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

Emission Unit: 1-00000

Emission Unit Description:

EMISSION UNIT 100000 CONTAINS EXISTING
EMISSION SOURCES INVOLVED IN THE FACILITY'S
WHARF OPERATIONS. THIS INCLUDES THE
TRANSFER OF FINISHED PRODUCT FROM BELT 9 TO
BARGES. PARTICULATE EMISSIONS FROM THIS
TRANSFER IS CONTROLLED BY A BAGHOUSE.

Building(s): WHARF AREA

Condition 24: Reporting Requirements

Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 24.1:

Any reports due prior to the first calendar based certification must be submitted as previously indicated. All reports due thereafter will be submitted on a calendar basis.

Condition 25: Compliance Certification

Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:



Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.

- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

The address for the RAPCE is as follows:

1130 North Westcott Road
Schenectady, NY 12306-2014

The address for the BQA is as follows:

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

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due on the same day each year

Condition 12-3: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-3.1:

The Compliance Certification activity will be performed for the Facility.

Item 12-3.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Lafarge has included a description of operational flexibility for an Alternate Operating Scenario and a Protocol for alternate fuels/raw materials as allowed under 6NYCRR Subdivision 201-6.5(f).

Protocol For Use of Non-Hazardous Alternate Fuels And Raw Materials:

This protocol (provided by 6 NYCRR 201-6.5(f)(2)) shall be used to evaluate the use of alternate non-hazardous fuels and raw materials in the manufacture of Portland cement. The kiln systems traditionally burn a mixture of coal and petroleum coke as well as distillate fuel. The raw feed to the kilns is a slurry, which contains the following components: a calcium source; silica sources; alumina sources; and iron sources. Gypsum is also a raw material



added to the clinker in the finish mills.

The following protocol outlines procedures for evaluating proposed alternate fuels and raw materials for compliance with applicable requirements and for notifying the NYSDEC of proposed fuel and raw material changes.

Lafarge shall adhere to the following criteria when evaluating the use of proposed alternate fuels and/or raw materials:

1. Paragraph 201-6.5(f)(1) criteria.
2. Proposed alternate material shall not be classified as a RCRA hazardous waste according to 40 CFR 261. This determination may be made by lab analyses and/or engineering judgment.
3. Proposed alternate materials shall not be medical wastes according to 40 CFR 259.
4. Proposed alternate materials must be determined to be acceptable in accordance with Lafarge's Alternate Fuels and Raw Materials Management Program.
5. The use of an alternate fuel shall not cause the as-burned sulfur content in solid fuel to exceed the limits in Subpart 225-1.
6. Use of fuels other than coal, petroleum coke, oil, and tire derived fuel will not be authorized under the Operational Flexibility Condition.
7. The storage and handling of alternate non-hazardous materials shall be conducted such that fugitive emissions are minimized in accordance with 6 NYCRR Sections 211.1.
8. Kiln stack emissions shall not exceed the following limitations when burning alternate non-hazardous fuels and/or when processing alternate non-hazardous raw materials:
 - a. Particulate matter emissions of 0.05 gr/dscf per 6 NYCRR Subdivision 220-1.2(b).
 - b. Average six-minute opacity levels of 20 % per 6 NYCRR Subdivision 220-1.4(a).
 - c. Oxides of nitrogen emissions limits established in this permit.
 - d. The mercury cap established in this permit.
 - e. Any limitations promulgated under 40 CFR Part 63 Subpart LLL
 - f. The carbon monoxide cap.



9. The most current DAR-1 AGC/SGC Tables shall be used as a guideline where there is an emission rate increase for a particular contaminant or the emission of a new contaminant. Predicted ambient impacts are compared to guideline values to assess the acceptability of a proposed new source. The word guideline is stressed because these values are developed to aid in the regulatory decision making process... Toxicity ratings and Annual Guideline Concentration (AGC) and Short-term Guideline Concentration (SGC) for each contaminant are found in the tables. Refined modeling may be used.

Emissions estimates for alternate materials use shall be determined using published emissions factors, performing mass balance calculations, performing stack testing and/or by engineering judgment. If stack testing is to be performed, the NYSDEC will be notified.

Proposed alternative fuels and/or raw materials shall not increase toxic emission rates.

After evaluating proposed alternate fuel(s) and/or raw materials(s), Lafarge shall notify the NYSDEC in writing of its intention to use the alternate material that meets the criteria outlined above. The report to the NYSDEC shall include:

1. A characterization of the material (including any results of stack testing)
2. The intended substitution rate of the material
3. A description of the method of introduction into the kilns
4. Operating parameters associated with the material's introduction into the kilns
5. Calculated emission estimates (see above)
6. Documentation of the DAR-1 analysis

This protocol does not eliminate Lafarge's obligation to comply with applicable rules nor does this protocol eliminate the need to seek the appropriate pre-construction permits applicable.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12-4: Capping Monitoring Condition
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 12-4.1:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

6 NYCRR Subpart 231-8

Item 12-4.2:

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

Item 12-4.3:

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

Item 12-4.4:

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

Item 12-4.5:

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

Item 12-4.6:

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

Emission Unit: 0-20000	Emission Point: 34301
Emission Unit: 0-20000	Emission Point: 46014
Emission Unit: 0-20000	Emission Point: 46015
Emission Unit: 0-20000	Emission Point: 46017
Emission Unit: 0-42000	Emission Point: 40100
Emission Unit: 0-42000	Emission Point: 46008
Emission Unit: 0-42000	Emission Point: 46011
Emission Unit: 0-43000	Emission Point: 32801
Emission Unit: 0-51000	Emission Point: 52101



Emission Unit: 0-51000	Emission Point: 53101
Emission Unit: 0-53000	Emission Point: 52301
Emission Unit: 0-53000	Emission Point: 53301
Emission Unit: 0-71000	Emission Point: 62002
Emission Unit: 0-71000	Emission Point: 62003
Emission Unit: 0-71000	Emission Point: 62004
Emission Unit: 0-71000	Emission Point: 62005
Emission Unit: 0-71000	Emission Point: 62006
Emission Unit: 0-71000	Emission Point: 62007
Emission Unit: 0-71000	Emission Point: 62008
Emission Unit: 0-71000	Emission Point: 62009
Emission Unit: 0-71000	Emission Point: 63001
Emission Unit: 0-71000	Emission Point: 63002
Emission Unit: 0-71000	Emission Point: 63003
Emission Unit: 0-71000	Emission Point: 63004
Emission Unit: 0-72000	Emission Point: 55001
Emission Unit: 0-72000	Emission Point: 55002
Emission Unit: 0-72000	Emission Point: 55003
Emission Unit: 0-72000	Emission Point: 55004
Emission Unit: 0-72000	Emission Point: 55005
Emission Unit: 0-72000	Emission Point: 55006
Emission Unit: 0-72000	Emission Point: 57001
Emission Unit: 0-72000	Emission Point: 57002
Emission Unit: 0-72000	Emission Point: 57003
Emission Unit: 0-72000	Emission Point: 62001
Emission Unit: 0-90000	Emission Point: 32002

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 1-00000

Emission Point: 58001

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-4.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Tests of all emission points must be performed no later than 6 months after initial startup of the new kiln system.

Parameter Monitored: PARTICULATES

Upper Permit Limit: .01 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12-5: Capping Monitoring Condition

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 12-5.1:

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

6 NYCRR Subpart 231-8

Item 12-5.2:

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

Item 12-5.3:

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

Item 12-5.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 12-5.5:

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

Item 12-5.6:

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

Emission Unit: 0-21000	Emission Point: 11501
Emission Unit: 0-21000	Emission Point: 13801
Emission Unit: 0-21000	Emission Point: 13802
Emission Unit: 0-21000	Emission Point: 13803
Emission Unit: 0-21000	Emission Point: 23301
Emission Unit: 0-21000	Emission Point: 23302
Emission Unit: 0-21000	Emission Point: 23303
Emission Unit: 0-21000	Emission Point: 23304
Emission Unit: 0-21000	Emission Point: 23305
Emission Unit: 0-21000	Emission Point: 23306
Emission Unit: 0-21000	Emission Point: 23307
Emission Unit: 0-21000	Emission Point: 23601
Emission Unit: 0-21000	Emission Point: 23602
Emission Unit: 0-21000	Emission Point: 23603
Emission Unit: 0-21000	Emission Point: 23604
Emission Unit: 0-21000	Emission Point: 23608
Emission Unit: 0-22000	Emission Point: 63302
Emission Unit: 0-22000	Emission Point: 63303
Emission Unit: 0-22000	Emission Point: 63304

New York State Department of Environmental Conservation
Permit ID: 4-0124-00001/00112 Facility DEC ID: 4012400001



Emission Unit: 0-22000	Emission Point: 63305
Emission Unit: 0-22000	Emission Point: 63306
Emission Unit: 0-22000	Emission Point: 63307
Emission Unit: 0-22000	Emission Point: 63308
Emission Unit: 0-22000	Emission Point: 63309
Emission Unit: 0-22000	Emission Point: 66001
Emission Unit: 0-22000	Emission Point: 66002
Emission Unit: 0-33000	Emission Point: 23605
Emission Unit: 0-33000	Emission Point: 23606
Emission Unit: 0-33000	Emission Point: 23607
Emission Unit: 0-33000	Emission Point: 23801
Emission Unit: 0-33000	Emission Point: 23802
Emission Unit: 0-33000	Emission Point: 23803
Emission Unit: 0-33000	Emission Point: 23805
Emission Unit: 0-33000	Emission Point: 33202
Emission Unit: 0-33000	Emission Point: 33203
Emission Unit: 0-33000	Emission Point: 33204
Emission Unit: 0-33000	Emission Point: 33205
Emission Unit: 0-33000	Emission Point: 33206
Emission Unit: 0-33000	Emission Point: 33207
Emission Unit: 0-41200	Emission Point: 33402
Emission Unit: 0-41200	Emission Point: 33403
Emission Unit: 0-41200	Emission Point: 33404
Emission Unit: 0-41200	Emission Point: 33502
Emission Unit: 0-41200	Emission Point: 33503
Emission Unit: 0-41200	Emission Point: 33506

New York State Department of Environmental Conservation
Permit ID: 4-0124-00001/00112 **Facility DEC ID: 4012400001**



Emission Unit: 0-43000	Emission Point: 30903
Emission Unit: 0-43000	Emission Point: 33801
Emission Unit: 0-43000	Emission Point: 33901
Emission Unit: 0-43000	Emission Point: 33902
Emission Unit: 0-43000	Emission Point: 33903
Emission Unit: 0-43000	Emission Point: 33904
Emission Unit: 0-43000	Emission Point: 33905
Emission Unit: 0-43000	Emission Point: 33906
Emission Unit: 0-43000	Emission Point: 33907
Emission Unit: 0-43000	Emission Point: 33908
Emission Unit: 0-43000	Emission Point: 33909
Emission Unit: 0-43000	Emission Point: 41101
Emission Unit: 0-43000	Emission Point: 41106
Emission Unit: 0-43000	Emission Point: 41111
Emission Unit: 0-43000	Emission Point: 41116
Emission Unit: 0-43000	Emission Point: 41121
Emission Unit: 0-43000	Emission Point: 41122
Emission Unit: 0-51000	Emission Point: 41604
Emission Unit: 0-53000	Emission Point: 43603
Emission Unit: 0-53000	Emission Point: 43604
Emission Unit: 0-55000	Emission Point: 40301
Emission Unit: 0-55000	Emission Point: 40302
Emission Unit: 0-55000	Emission Point: 40303
Emission Unit: 0-55000	Emission Point: 45301
Emission Unit: 0-55000	Emission Point: 45302
Emission Unit: 0-55000	Emission Point: 45303

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-55000	Emission Point: 45304
Emission Unit: 0-55000	Emission Point: 45606
Emission Unit: 0-55000	Emission Point: 46301
Emission Unit: 0-55000	Emission Point: 46302
Emission Unit: 0-55000	Emission Point: 46303
Emission Unit: 0-55000	Emission Point: 46304
Emission Unit: 0-55000	Emission Point: 46501
Emission Unit: 0-71100	Emission Point: 40801

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

Item 12-5.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Tests of all emission points must be performed no later than 6 months after initial startup.

Parameter Monitored: PARTICULATES

Upper Permit Limit: .008 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12-6: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 12-6.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41000 Process: K12	Emission Point: 43101
Emission Unit: 0-41100 Process: KLN	Emission Point: 33401

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Regulated Contaminant(s):

CAS No: 007446-09-5	SULFUR DIOXIDE
CAS No: 0NY210-00-0	OXIDES OF NITROGEN
CAS No: 0NY998-00-0	VOC

Item 12-6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A 3 run stack test shall be performed for the listed contaminants within 180 days of first firing TDF.

Existing Kiln:

Unless TDF testing for both kilns is completed within 180 days of first firing of TDF in the 1st kiln using TDF, a second 3 run stack test shall be performed for the same listed contaminants within 180 days of first TDF firing in the 2nd kiln.

New Kiln:

Shall be monitored utilizing CEMS as in the permit.

Plant operating data including coal and tire usage and kiln feed input and clinker output shall be collected. See separate permit conditions under Part 202-1.2 concerning notification and protocol submittal and under Part 202-1.3 concerning acceptable protocols and report submittal.

After the test report is completed, the results shall be compared with the baseline stack test to project if it is expected that the Net Emission Increase (see definition in Part 231-2.1) is greater than Significant Net Emission Increase Threshold (see table in Part 231-2.12).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12-7: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 12-7.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:



Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Emission Unit: 0-41100
Process: KLN

Emission Point: 33401

Regulated Contaminant(s):

CAS No: 000050-00-0	FORMALDEHYDE
CAS No: 000071-43-2	BENZENE
CAS No: 000074-82-8	METHANE
CAS No: 000075-01-4	VINYL CHLORIDE
CAS No: 000075-07-0	ACETALDEHYDE
CAS No: 000107-02-8	ACROLEIN
CAS No: 001336-36-3	POLYCHLORINATED BIPHENYL
CAS No: 001746-01-6	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
CAS No: 007439-92-1	LEAD
CAS No: 007439-96-5	MANGANESE
CAS No: 007439-97-6	MERCURY
CAS No: 007440-22-4	SILVER
CAS No: 007440-28-0	THALLIUM
CAS No: 007440-36-0	ANTIMONY
CAS No: 007440-38-2	ARSENIC
CAS No: 007440-39-3	BARIUM
CAS No: 007440-41-7	BERYLLIUM
CAS No: 007440-43-9	CADMIUM
CAS No: 007440-47-3	CHROMIUM
CAS No: 007440-48-4	COBALT
CAS No: 007440-50-8	COPPER
CAS No: 007440-62-2	VANADIUM
CAS No: 007440-66-6	ZINC
CAS No: 007647-01-0	HYDROGEN CHLORIDE
CAS No: 007664-39-3	HYDROGEN FLUORIDE
CAS No: 007664-41-7	AMMONIA
CAS No: 0NY059-28-0	NICKEL (NI 059)
CAS No: 0NY075-00-5	PM-10
CAS No: 018540-29-9	CHROMIUM(VI)
CAS No: 0NY075-00-0	PARTICULATES

Item 12-7.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A 3 run stack test shall be performed for the listed contaminants within 180 days of first firing TDF in accordance with 40 CFR 52 A 21(b)(3)(viii).

Appropriate stack testing methods shall be performed for the various contaminants, including Method 5 for filterable particulates, Method 202 for the condensable particulate fraction for PM-10, Method 29 for metals,

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Method 23 for dioxin and PCB, and Methods 18 and 106 for benzene and vinyl chloride and other methods approved by the Department.

Existing Kiln:

Unless TDF testing for both kilns is completed within 180 days of first firing of TDF in the 1st kiln using TDF, a second 3 run stack test shall be performed for the same listed contaminants within 180 days of first TDF firing in the 2nd kiln.

New Kiln:

Shall be monitored utilizing CEMS as required in 40CFR 63 Subpart LLL and Methods 202, 29, 23, 18 and 16, as applicable.

Plant operating data including coal and tire usage and kiln feed input and clinker output shall be collected. See separate permit conditions under Part 202-1.2 concerning notification and protocol submittal and under Part 202-1.3 concerning acceptable protocols and report submittal.

Additionally, testing shall be performed for: total non-methane hydrocarbons and PAHs.

The PCB testing shall include simultaneous comparison tests for PCDD/PCDF and PCBs.

After the test report is completed, the results for SO₂, PM, PM-10, lead, fluorides shall all be compared with the baseline stack test to project if a major modification (see definition in 40 CFR 52 A 21 (b)(2)) is expected.

Reference Test Method: SEE MONITORING DESCRIPTION

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 28: Notification
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 202-1.2

Item 28.1:

A person who is required by the commissioner to submit a stack test report shall notify the commissioner, in writing, not less than 30 days prior to the test, of the time and date of the test. Such notification shall also include the acceptable procedures to be used to stack test including sampling and analytical procedures. Such person shall allow the commissioner, or his representative, free access to observe stack testing being conducted by such person.

Condition 29: Acceptable procedures



Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 202-1.3 (a)

Item 29.1:

Emission testing, sampling and analytical determinations to ascertain compliance with this Subchapter shall be conducted in accordance with test methods acceptable to the commissioner. The Reference Methods contained in part 60, appendix A and part 61, appendix B of title 40 of the Code of Federal Regulations and all future technical revisions, additions or corrections made thereto shall be considered as acceptable test methods for those sources and contaminants for which they are expressly applicable, except where the commissioner has issued a specific method to be used instead of a Reference Method contained in these Federal regulations or where the commissioner determines that one or more alternate methods are also acceptable. The person who owns or operates an air contamination source shall submit the emission test report in triplicate, to the commissioner within 60 days after the completion of tests. In the event such source owner/operator can demonstrate to the commissioner such time is not sufficient, he may request in writing and be granted an extension. Where an opacity emission standard is applicable to the source tested, the emission test report shall include the opacity observation.

Condition 12-8: Air pollution prohibited

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 211.1

Item 12-8.1:

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

Condition 12-9: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 211.1

Item 12-9.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall comply with all of the plant-wide control methods and the contingency measures of its Fugitive Dust Control Plan (FDCP) approved by the

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 30: Compliance Certification
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement: 6 NYCRR 212.3 (b)

Item 30.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-20000	Emission Point: 34301
Emission Unit: 0-20000	Emission Point: 46017
Emission Unit: 0-42000	Emission Point: 46008
Emission Unit: 0-42000	Emission Point: 46011
Emission Unit: 0-51000	Emission Point: 52101
Emission Unit: 0-51000	Emission Point: 53101
Emission Unit: 0-51000	Emission Point: 53102
Emission Unit: 0-52000	Emission Point: 52201
Emission Unit: 0-52000	Emission Point: 53201
Emission Unit: 0-52000	Emission Point: 53202
Emission Unit: 0-53000	Emission Point: 52301
Emission Unit: 0-53000	Emission Point: 53301
Emission Unit: 0-53000	Emission Point: 53302
Emission Unit: 0-54000	Emission Point: 52401
Emission Unit: 0-54000	Emission Point: 53401
Emission Unit: 0-54000	Emission Point: 53402
Emission Unit: 0-54000	Emission Point: 53403



Emission Unit: 0-71000	Emission Point: 62002
Emission Unit: 0-71000	Emission Point: 62003
Emission Unit: 0-71000	Emission Point: 62004
Emission Unit: 0-71000	Emission Point: 62005
Emission Unit: 0-71000	Emission Point: 62006
Emission Unit: 0-71000	Emission Point: 62007
Emission Unit: 0-71000	Emission Point: 63001
Emission Unit: 0-71000	Emission Point: 63002
Emission Unit: 0-71000	Emission Point: 63003
Emission Unit: 0-72000	Emission Point: 55001
Emission Unit: 0-72000	Emission Point: 55004
Emission Unit: 0-72000	Emission Point: 55006
Emission Unit: 0-72000	Emission Point: 57001
Emission Unit: 0-72000	Emission Point: 57002
Emission Unit: 0-72000	Emission Point: 57003
Emission Unit: 0-72000	Emission Point: 62001
Emission Unit: 0-90000	Emission Point: 32002
Emission Unit: 1-00000	Emission Point: 58001

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

Item 30.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

In instances where determination of permissible emission rate using process weight is not applicable (see Table 5) and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.15 grains of particulates per cubic foot of exhaust gas, corrected for dilution air and expressed at standard conditions on a dry gas basis.

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Parameter Monitored: PARTICULATES

Upper Permit Limit: .15 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 31: Compliance Certification

Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 31.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-20000	Emission Point: 46012
Emission Unit: 0-20000	Emission Point: 46013
Emission Unit: 0-20000	Emission Point: 46014
Emission Unit: 0-20000	Emission Point: 46015
Emission Unit: 0-42000	Emission Point: 40100
Emission Unit: 0-42000	Emission Point: 43102
Emission Unit: 0-42000	Emission Point: 43103
Emission Unit: 0-42000	Emission Point: 43106
Emission Unit: 0-42000	Emission Point: 46018
Emission Unit: 0-42000	Emission Point: 46019
Emission Unit: 0-71000	Emission Point: 62008
Emission Unit: 0-71000	Emission Point: 62009
Emission Unit: 0-71000	Emission Point: 63004
Emission Unit: 0-73000	Emission Point: 62010

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Item 31.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Emissions from any process emission source for which an application for a permit to construct is received by the department after July 1, 1973, are restricted as follows:

In instances where determination of permissible emission rate using process weight is not applicable (see Table 5) and for an environmental rating of B or C, no person will cause or allow emissions of solid particulates that exceed 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis, except as provided in section 201.6 of this Title

Parameter Monitored: PARTICULATES

Upper Permit Limit: .05 grains per dscf

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 32: Compliance Certification

Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 32.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-20000

Emission Unit: 0-90000

Process: PCR

Emission Point: 32002

Emission Source: 09PCD

Item 32.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time



during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at the monitoring frequency stated below while the process is in operation. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed the standard continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Monitoring Frequency: MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 12-11: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-11.1:

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

Emission Unit: 0-41000

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

Item 12-11.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Any solid fuel which contains sulfur in a quantity exceeding the limit below shall not be burned.

Monitoring frequency: one fuel sample for each kiln per day of operation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OTHER SOLID FUELS

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 2.5 pounds per million Btus

Reference Test Method: Method 19 from 40 CFR 60 Appendix A

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

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

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 20 days after the reporting period.

The initial report is due 8/20/2011.

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

Condition 12-12: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-12.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41000

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 12-12.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

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

Monitoring frequency: one fuel sample for each kiln per day of operation.

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: OTHER SOLID FUELS
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.7 pounds per million Btus
Reference Test Method: Method 19 from 40 CFR 60 Appendix A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: MONTHLY (CALENDAR)
Reports due 20 days after the reporting period.
The initial report is due 8/20/2011.
Subsequent reports are due every 1 calendar month(s).

Condition 12-13: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-13.1:

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

Emission Unit: 0-41000

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

Item 12-13.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

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

Monitoring frequency: one fuel sample for each kiln per day of operation.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: OTHERS
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.9 pounds per million Btus
Reference Test Method: Method 19 from 40 CFR 60 Appendix A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: 3-MONTH AVERAGE ROLLED MONTHLY
Reporting Requirements: MONTHLY (CALENDAR)
Reports due 20 days after the reporting period.
The initial report is due 8/20/2011.
Subsequent reports are due every 1 calendar month(s).

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Condition 12-10: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-10.1:

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

Emission Unit: 0-41000 Emission Point: 43101

Emission Unit: 0-41100 Emission Point: 33401

Regulated Contaminant(s):
CAS No: 007704-34-9 SULFUR

Item 12-10.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:

Sulfur content of the fuel oil burned at the facility
shall not exceed 1.5% by weight per 6 NYCRR 225-1.2(d),
Table 2.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 1.5 percent by weight

Monitoring Frequency: PER DELIVERY

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

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 10/30/2011.

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

Condition 12-14: Kiln restriction

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 12-14.1:

Upon commencing production of clinker from the new kiln (EU 41100), the facility shall immediately discontinue use of the old kilns (EU 41000). Upon startup of the finish mills (EU 55000), the facility shall discontinue use of two existing cement mills.

Condition 12-15: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015



Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 12-15.1:

The Compliance Certification activity will be performed for the Facility.

Item 12-15.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

When Lafarge installs new equipment, it must be consistent with the November 18, 2010 Best Available Control Technology assessment for greenhouse gasses. The equipment includes a preheater/precalciner dry kiln with high efficiency burners and a mechanical raw material feed system, a vertical roller mill for kiln feed raw materials, a vertical roller mill for finish mill 5, high efficiency electrical motors, and high efficiency fans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-16: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 12-16.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

CAS No: 000124-38-9

CARBON DIOXIDE

Item 12-16.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

Kiln system emissions shall not exceed 1900 pounds (or .95 tons) of CO₂ equivalent per ton of clinker, rolling 12 month average. Compliance shall be determined in accordance with the procedures use by Lafarge in reporting

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



their GHG emissions pursuant to 40 CFR Part 98.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: CLINKER
Parameter Monitored: CARBON DIOXIDE
Upper Permit Limit: 1900 pounds per ton
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-17: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 12-17.1:

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

Emission Unit: 0-41100

Item 12-17.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC
OPERATIONS

Monitoring Description:
Clinker throughput limit.

Work Practice Type: PROCESS MATERIAL THRUPUT
Process Material: CLINKER
Upper Permit Limit: 2810000 tons per year
Monitoring Frequency: HOURLY
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-18: Permit Requirements
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-18.1:

This Condition applies to:

Emission Unit: 041000



Emission Unit: 041100

Item 12-18.2:

The CAIR designated representative of each CAIR NO_x Ozone Season source shall:

- (i) submit to the department a complete CAIR permit application under section 243-3.3 in accordance with the deadlines specified in section 243-3.2; and
- (ii) submit in a timely manner any supplemental information that the department determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

The owners and operators of each CAIR NO_x Ozone Season source shall have a CAIR permit issued by the department under Subpart 243-3 for the source and operate the source and the unit in compliance with such CAIR permit.

Condition 12-19: Monitoring requirements
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-19.1:

This Condition applies to:

Emission Unit: 041000

Emission Unit: 041100

Item 12-19.2:

The emissions measurements recorded and reported in accordance with Subpart 243-8 shall be used to determine compliance by each CAIR NO_x Ozone Season source with the CAIR NO_x Ozone Season emissions limitation under subdivision (c) of this section.

Condition 12-20: NO_x Ozone Season Emission Requirements
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-20.1:

This Condition applies to:

Emission Unit: 041000

Emission Unit: 041100

Item 12-20.2:

As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under section 243-6.5(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with Subpart 243-8. The CAIR NO_x

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



ozone season is the period beginning May 1 of a calendar year, except as provided in section 243-1.6(c)(2), and ending on September 30 of the same year, inclusive.

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

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

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

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

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

Upon recordation by the Administrator under Subpart 243-6, 243-7, or 243-9, every allocation, transfer, or deduction of a CAIR NOx Ozone Season allowance to or from a CAIR NOx Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

Condition 12-21: Excess emission requirements
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-21.1:

This Condition applies to:

Emission Unit: 041000

Emission Unit: 041100

Item 12-21.2:

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

(1) the owners and operators of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under section 243-6.5(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Act or applicable State law; and

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



(2) each ton of such excess emissions and each day of such control period shall constitute a separate violation of this Subpart, the Act, and applicable State law.

Condition 12-22: Recordkeeping and reporting requirements
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-22.1:

This Condition applies to:

Emission Unit: 041000

Emission Unit: 041100

Item 12-22.2:

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

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

Condition 12-23: Authorization and responsibilities of CAIR designated representative

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 243-2.1

Item 12-23.1:

This Condition applies to:

Emission Unit: 041000

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 041100

Item 12-23.2:

Except as provided under section 243-2.2, each CAIR NO_x Ozone Season source, including all CAIR NO_x Ozone Season units at the source, shall have one and only one CAIR designated representative, with regard to all matters under the CAIR NO_x Ozone Season Trading Program concerning the source or any CAIR NO_x Ozone Season unit at the source.

The CAIR designated representative of the CAIR NO_x Ozone Season source shall be selected by an agreement binding on the owners and operators of the source and all CAIR NO_x Ozone Season units at the source and shall act in accordance with the certification statement in section 243-2.4(a)(4)(iv).

Upon receipt by the Administrator of a complete certificate of representation under section 243-2.4, the CAIR designated representative of the source shall represent and, by his or her representations, actions, inactions, or submissions, legally bind each owner and operator of the CAIR NO_x Ozone Season source represented and each CAIR NO_x Ozone Season unit at the source in all matters pertaining to the CAIR NO_x Ozone Season Trading Program, notwithstanding any agreement between the CAIR designated representative and such owners and operators. The owners and operators shall be bound by any decision or order issued to the CAIR designated representative by the department, the Administrator, or a court regarding the source or unit.

No CAIR permit will be issued, no emissions data reports will be accepted, and no CAIR NO_x Ozone Season Allowance Tracking System account will be established for a CAIR NO_x Ozone Season unit at a source, until the Administrator has received a complete certificate of representation under section 243-2.4 for a CAIR designated representative of the source and the CAIR NO_x Ozone Season units at the source.

Each submission under the CAIR NO_x Ozone Season Trading Program shall be submitted, signed, and certified by the CAIR designated representative for each CAIR NO_x Ozone Season source on behalf of which the submission is made. Each such submission shall include the following certification statement by the CAIR designated representative: "I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

Condition 12-24: Certificate of representation
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 243-2.4

Item 12-24.1:

This Condition applies to:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 041000

Emission Unit: 041100

Item 12-24.2:

Unless otherwise required by the department or the Administrator, documents of agreement referred to in the certificate of representation shall not be submitted to the department or the Administrator. Neither the department nor the Administrator shall be under any obligation to review or evaluate the sufficiency of such documents, if submitted.

Condition 12-25: General requirements
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement: 6 NYCRR 243-8.1

Item 12-25.1:

This Condition applies to:

Emission Unit: 041000

Emission Unit: 041100

Item 12-25.2:

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

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

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



Condition 12-26: Prohibitions

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 243-8.1

Item 12-26.1:

This Condition applies to:

Emission Unit: 041000

Emission Unit: 041100

Item 12-26.2:

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

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

No owner or operator of a CAIR NO_x Ozone Season unit shall disrupt the continuous emission monitoring system, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO_x mass emissions discharged into the atmosphere or heat input, except for periods of recertification or periods when calibration, quality assurance testing, or maintenance is performed in accordance with the applicable provisions of this Subpart and 40 CFR Part 75.

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

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

Condition 12-27: Quarterly reports

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-27.1:

This Condition applies to:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 041000

Emission Unit: 041100

Item 12-27.2:

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

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

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

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

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

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

Condition 12-28: Compliance certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-28.1:

This Condition applies to:

Emission Unit: 041000

Emission Unit: 041100

Item 12-28.2:

The CAIR designated representative shall submit to the Administrator a compliance certification (in a format prescribed by the Administrator) in support of each quarterly report based on

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that:

(1) the monitoring data submitted were recorded in accordance with the applicable requirements of this Subpart and 40 CFR Part 75, including the quality assurance procedures and specifications;

(2) for a unit with add-on NOx emission controls and for all hours where NOx data are substituted in accordance with 40 CFR 75.34(a)(1), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under appendix B to 40 CFR Part 75 and the substitute data values do not systematically underestimate NOx emissions; and

(3) for a unit that is reporting on a control period basis under subparagraph (d)(2)(ii) of this section, the NOx emission rate and NOx concentration values substituted for missing data under Subpart D of 40 CFR Part 75 are calculated using only values from a control period and do not systematically underestimate NOx emissions.

Condition 12-29: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:40CFR 60.254(b), NSPS Subpart Y

Item 12-29.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-22000	Emission Point: 63302
Emission Unit: 0-22000	Emission Point: 63303
Emission Unit: 0-22000	Emission Point: 63304
Emission Unit: 0-22000	Emission Point: 63305
Emission Unit: 0-22000	Emission Point: 63306
Emission Unit: 0-22000	Emission Point: 63307
Emission Unit: 0-22000	Emission Point: 63308
Emission Unit: 0-22000	Emission Point: 63309
Emission Unit: 0-22000	Emission Point: 66001
Emission Unit: 0-22000	Emission Point: 66002

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

Item 12-29.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

Monitoring Description:

On and after the date on which the performance test is conducted or required to be completed under 40CFR60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in 40CFR60.254(b)(1)-(3), as applicable to the affected facility.

Except as provided in 40CFR60.254(b)(3), the owner or operator must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater. The monitoring shall be conducted according to the schedule listed in §60.255(b)(2) or may meet one of the alternative standards listed in 60.255(f)(2) or 60.255(g).

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Reference Test Method: EPA Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-30: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:40CFR 60.254(b), NSPS Subpart Y

Item 12-30.1:

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

Emission Unit: 0-22000	Emission Point: 63302
Emission Unit: 0-22000	Emission Point: 63303
Emission Unit: 0-22000	Emission Point: 63304
Emission Unit: 0-22000	Emission Point: 63305
Emission Unit: 0-22000	Emission Point: 63306

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-22000 Emission Point: 63307

Emission Unit: 0-22000 Emission Point: 63308

Emission Unit: 0-22000 Emission Point: 63309

Emission Unit: 0-22000 Emission Point: 66001

Emission Unit: 0-22000 Emission Point: 66002

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

Item 12-30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008, must meet the requirements in §60.254(b)(1)-(3), as applicable to the affected facility.

The owner or operator must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf).

The monitoring shall be conducted according to the schedule listed in §60.255(b)(1) and using the methods listed in §60.257.

Emission points 63304, 63305, 63307, 63307, 63308 have potential emissions less than 1.1 tpy and qualify for testing requirement exemptions under §60.255(d).

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.01 grains per dscf

Reference Test Method: EPA Method 5, 5B, 5D or 17

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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



Condition 12-31: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement: 40CFR 60.670(a), NSPS Subpart OOO

Item 12-31.1:

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

Emission Unit: 0-21000	Emission Point: 11501
Emission Unit: 0-21000	Emission Point: 13801
Emission Unit: 0-21000	Emission Point: 13802
Emission Unit: 0-21000	Emission Point: 13803
Emission Unit: 0-21000	Emission Point: 23301
Emission Unit: 0-21000	Emission Point: 23302

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

Item 12-31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

For affected facilities (as defined in §60.670 and 60.671) that commenced construction, reconstruction, or modification on or after April 22, 2008, the facility must not emit particulate matter at an emission rate of 0.014 gr/dscf or more for the following operations:

- any stack emissions venting any transfer point on belt conveyors
- any transfer point on a conveyor belt or any other affected facility is enclosed in a building
- any building enclosing any transfer point on a conveyor belt or any other affected facility emissions.

Compliance with this standard will be determined by conducting a stack emission test following a protocol and according to a schedule acceptable to the Department and according to the provisions in §60.8 and 60.675. This must be done within 60 days after the facility achieves the maximum production rate at which the facility will be operated, but not later than 180 days after initial startup.

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Upper Permit Limit: 0.014 grains per dscf
Reference Test Method: SEE MONITORING DESCRIPTION
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-32: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:40CFR 60.674(c), NSPS Subpart OOO

Item 12-32.1:

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

Emission Unit: 0-21000	Emission Point: 23301
Emission Unit: 0-21000	Emission Point: 23302

Item 12-32.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

Except as specified in paragraph (d) or (e) of 40 CFR 60.674, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions must conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR part 60, Appendix A-7). The Method 22 (40 CFR part 60, Appendix A-7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR part 60, Appendix A-7) test, including the date and any corrective actions taken, in the logbook required under §60.676(b). The owner or operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to §60.675(b) simultaneously with a Method 22 (40 CFR part 60, Appendix A-7) to determine what constitutes normal visible

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of this subpart. The revised visible emissions success level must be incorporated into the permit for the affected facility.

Parameter Monitored: OPACITY
Upper Permit Limit: 7 percent
Monitoring Frequency: QUARTERLY
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-33: New source definition
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:40CFR 63.1341, NESHAP Subpart

LLL

Item 12-33.1:

This Condition applies to:

Emission Unit: 041000 Emission Point: 43101
Process: K12

Emission Unit: 041100 Emission Point: 33401
Process: KLN

Item 12-33.2:

For the purposes of the Portland Cement NESHAP (40 CFR Part 63, Subpart LLL), New source is defined as any source that commenced construction after May 6, 2009.

Existing source is defined as any source that commenced construction before May 7, 2009.

These dates shall be used in determining the applicability of the kiln, clinker cooler, and raw material dryer emission limits for mercury, PM, THC, and HCl, and the requirements for open clinker storage piles.

Condition 47: Part 63 General Provisions requirements
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:40CFR 63.1342, Subpart LLL

Item 47.1:

Owners or operators of affected sources subject to 40CFR63 Subpart LLL must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 1 of Subpart LLL. Subpart A is the General Provisions for the NESHAP for Source Categories regulations. The General Provisions contain requirements

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

Condition 12-34: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-34.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Emission Unit: 0-41100
Process: KLN

Emission Point: 33401

Regulated Contaminant(s):

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

Item 12-34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

If the facility operates a new kiln or an existing kiln after 9/8/2013, then the facility shall meet an emission limit for dioxins and furans of 0.2 ng/dscm (TEQ) corrected to 7% oxygen during normal operations and during periods of startup and shutdown, if the average temperature at the inlet to the first particulate matter control device (fabric filter or electrostatic precipitator) during the dioxin/furan performance test is at least 400F.

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

The facility must also demonstrate initial compliance with the temperature operating limits specified in §63.1344 by using the performance test methods and procedures listed in §63.1349(b)(3)(ii)-(iv).

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

Parameter Monitored: 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
Upper Permit Limit: 0.2 nanograms per dry standard cubic meter (corrected to 7% O₂)

Reference Test Method: Method 23 of 40 CFR 60, Appendix A-7
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-35: Compliance Certification
Effective between the dates of 07/19/2011 and 09/09/2013

Applicable Federal Requirement: 40CFR 63.1343(e), NESHAP Subpart

LLL

Item 12-35.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41000

Emission Point: 43101

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-35.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of an existing kiln at a facility that is a major source of HAP subject to the provisions of Subpart LLL of 40 CFR Part 63, shall cause to be discharged to the atmosphere any gases which exhibit opacity greater than 20%.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Perf. Spec. 1

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-36: Compliance Certification
Effective between the dates of 07/19/2011 and 09/09/2013

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

Item 12-36.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

Emission Unit: 0-41000 Emission Point: 43101

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

Item 12-36.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
No owner or operator of an existing kiln at a facility which is a major source of HAP subject to Subpart LLL of 40 CFR Part 63 shall cause to be discharged into the atmosphere any gases which contain particulate matter (PM) in excess of 0.3 pounds per ton of feed to the kiln. Emissions testing is required initially and every 5 years thereafter.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.3 pounds per ton
Reference Test Method: Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-37: Compliance Certification
Effective between the dates of 07/19/2011 and 09/09/2013

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

Item 12-37.1:
The Compliance Certification activity will be performed for the facility:
The Compliance Certification applies to:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-41000

Emission Point: 45101

Emission Unit: 0-41000

Emission Point: 45201

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-37.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

No owner or operator of an existing clinker cooler at a facility that is a major source of HAP subject to the provisions of Subpart LLL of 40 CFR Part 63, shall cause to be discharged to the atmosphere any gases which exhibit opacity greater than 10%.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: Perf. Spec. 1

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-38: Compliance Certification

Effective between the dates of 07/19/2011 and 09/09/2013

Applicable Federal Requirement: 40CFR 63.1343(e), NESHAP Subpart

LLL

Item 12-38.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No owner or operator of an existing clinker cooler at a

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



facility which is a major source of HAP subject to Subpart LLL of 40 CFR Part 63 shall cause to be discharged into the atmosphere any gases which contain particulate matter (PM) in excess of 0.1 pounds per ton of feed. Emissions testing is required initially and every 5 years thereafter.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.1 pounds per ton

Reference Test Method: Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST

METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 12-39: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:40CFR 63.1347, Subpart LLL

Item 12-39.1:

The Compliance Certification activity will be performed for the Facility.

Item 12-39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

1- Procedures for proper operation and maintenance of the affected source and air pollution control devices in order to meet the emission limits and operating limits of §§63.1343-63.1348.

2- Corrective actions to be taken when required by §6.1350(f)(3).

3- Procedures to be used during an inspection of the components of the combustion system of each kiln and each in-line kiln raw mill located at the facility at least once per year.

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12-40: Compliance Plan

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:40CFR 63.1347, Subpart LLL

Item 12-40.1:

Compliance will be achieved according to the following schedule for the Facility:

Consent Order: r420100302

Progress Report Begin Date: 04/15/2010

Item 12-40.2:

Remedial Measure:

Schedule Date: 04/15/2010

Lafarge must confirm quarterly that all daily opacity observations were completed.

Condition 12-41: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-41.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-20000

Emission Unit: 0-21000

Emission Point: 23303

Emission Unit: 0-21000

Emission Point: 23304

Emission Unit: 0-21000

Emission Point: 23305

Emission Unit: 0-21000

Emission Point: 23306

Emission Unit: 0-21000

Emission Point: 23307

Emission Unit: 0-21000

Emission Point: 23601

Emission Unit: 0-21000

Emission Point: 23602

Emission Unit: 0-21000

Emission Point: 23603

Emission Unit: 0-21000

Emission Point: 23604

Emission Unit: 0-21000

Emission Point: 23608



Emission Unit: 0-31000

Emission Unit: 0-32000

Emission Unit: 0-33000

Emission Unit: 0-41200

Emission Unit: 0-42000

Emission Unit: 0-43000

Emission Unit: 0-51000

Emission Point: 52101

Emission Unit: 0-52000

Emission Point: 52201

Emission Unit: 0-53000

Emission Point: 52301

Emission Unit: 0-54000

Emission Point: 52401

Emission Unit: 0-55000

Emission Point: 40301

Emission Unit: 0-55000

Emission Point: 40302

Emission Unit: 0-55000

Emission Point: 40303

Emission Unit: 0-55000

Emission Point: 45301

Emission Unit: 0-55000

Emission Point: 45302

Emission Unit: 0-55000

Emission Point: 45303

Emission Unit: 0-55000

Emission Point: 45304

Emission Unit: 0-55000

Emission Point: 45606

Emission Unit: 0-55000

Emission Point: 46301

Emission Unit: 0-55000

Emission Point: 46302

Emission Unit: 0-55000

Emission Point: 46303

Emission Unit: 0-55000

Emission Point: 46501

Emission Unit: 0-71000

Emission Unit: 0-71100

Emission Unit: 0-72000

Emission Unit: 0-73000

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-90000

Emission Unit: 1-00000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-41.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

If the facility is subject to an opacity standard in §63.1345, the facility must conduct required emissions monitoring in accordance with §63.1350(f)(1), and in accordance with the operation and maintenance plan required by §63.1347. The facility must also develop an opacity emissions monitoring plan in accordance with §63.1350(o).

The facility must conduct a monthly 10-minute visible emissions (VE) test of each affected source (except raw mills and finish mills) in accordance with Method 22 of appendix A-7 of Part 60. The performance test must be done while the affected source is in operation.

If no VE's are observed in six consecutive monthly tests for any affected source, the facility may decrease the frequency of performance testing from monthly to semi-annually for that affected source. If VE's are observed during any semi-annual test, the facility must resume monthly monitoring and maintain that schedule until no VE's are observed for six consecutive monthly tests.

If no VE's are observed during the semi-annual test for any affected source, the facility may decrease the frequency of performance testing to annually for that affected source. If VE's are observed during any semi-annual test, the facility must resume monthly monitoring and maintain that schedule until no VE's are observed for six consecutive monthly tests.

If VE's are observed during any Method 22 performance test, the facility must conduct five 6-minute averages of opacity according to Method 9 of appendix A-4 of part 60. The Method 9 must be performed within 1 hour of any observation of VE's.

The requirement to conduct Method 22 VE monitoring under this condition does not apply to any totally enclosed



conveying system transfer point, regardless of the location of the transfer point. Totally enclosed conveying system transfer point must mean a conveying system transfer point that is enclosed on all sides, top, and bottom. The enclosures for these transfer points must be operated and maintained as total enclosures on a continuing basis in accordance with the facility operations and maintenance plan.

If any partially enclosed or unenclosed conveying system transfer point is located in a building, the facility must have the option to conduct a Method 22 performance test for each such conveying system transfer point located within the building, or for the building itself.

If VE's from a building are monitored, the requirements above apply to the monitoring of the building and the facility must also test VE's from each side, roof, and vent of the building for at least 10 minutes.

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Reference Test Method: EPA Methods 9 and 22
Monitoring Frequency: MONTHLY
Averaging Method: AVERAGING METHOD - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-42: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-42.1:

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

Emission Unit: 0-51000	Emission Point: 41603
Emission Unit: 0-51000	Emission Point: 53101
Emission Unit: 0-51000	Emission Point: 53102
Emission Unit: 0-52000	Emission Point: 53201
Emission Unit: 0-52000	Emission Point: 53202
Emission Unit: 0-53000	Emission Point: 43603



Emission Unit: 0-53000	Emission Point: 43604
Emission Unit: 0-53000	Emission Point: 53301
Emission Unit: 0-53000	Emission Point: 53302
Emission Unit: 0-54000	Emission Point: 53401
Emission Unit: 0-54000	Emission Point: 53402
Emission Unit: 0-54000	Emission Point: 53403
Emission Unit: 0-55000	Emission Point: 46304

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

Item 12-42.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

If the facility is subject to an opacity standard in §63.1345, the facility must conduct required emissions monitoring in accordance with §63.1350(f)(2), and in accordance with the operation and maintenance plan required by §63.1347. The facility must also develop an opacity emissions monitoring plan in accordance with §63.1350(o).

For a raw mill or a finish mill, the facility must monitor opacity by conducting daily visible emissions (VE) observations of the mill sweep and air separator particulate matter control device (PMCD) of these affected sources in accordance with Method 22 of appendix A-7 to part 60. The duration of the Method 22 performance test must be 6 minutes.

Within 24 hours of the end of the Method 22 performance test in which VE's were observed, the facility must conduct a follow up Method 22 performance test of each stack from which VE's were observed during the previous Method 22 performance test.

If VE's are observed during the follow-up Method 22 performance test from any stack from which VE's were observed during the previous Method 22 performance test, the facility must conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 performance test in accordance with Method 9 of appendix A-4 to part 60. The duration of the Method 9

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



test must be 30 minutes.

Parameter Monitored: OPACITY
Upper Permit Limit: 10 percent
Reference Test Method: EPA Methods 9 and 22
Monitoring Frequency: DAILY
Averaging Method: AVERAGING METHOD - SEE MONITORING

DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-43: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-43.1:

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

Emission Unit: 0-51000	Emission Point: 41603
Emission Unit: 0-51000	Emission Point: 53101
Emission Unit: 0-51000	Emission Point: 53102
Emission Unit: 0-52000	Emission Point: 53202
Emission Unit: 0-53000	Emission Point: 43603
Emission Unit: 0-53000	Emission Point: 43604
Emission Unit: 0-53000	Emission Point: 53301
Emission Unit: 0-53000	Emission Point: 53302
Emission Unit: 0-54000	Emission Point: 53401
Emission Unit: 0-54000	Emission Point: 53402
Emission Unit: 0-54000	Emission Point: 53403
Emission Unit: 0-55000	Emission Point: 46304

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

Item 12-43.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the owner or operator chooses to install a continuous opacity monitoring system (COMS) in lieu of conducting the daily visual emissions testing required under §63.1350(f)(2), then the COMS must be installed at the outlet of the PM control device of the raw mill or finish mill and the COMS must be installed, maintained, calibrated, and operated as required by the general provisions in 40 CFR 63, subpart A and according to PS-1 of appendix B to 40 Part 60.

Parameter Monitored: OPACITY

Upper Permit Limit: 10 percent

Reference Test Method: PS-1

Monitoring Frequency: CONTINUOUS

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-44: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:40CFR 63.1350(g), NESHAP Subpart

LLL

Item 12-44.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41000

Process: K12

Regulated Contaminant(s):

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

Item 12-44.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

If the facility is subject to a dioxin/furan (D/F) emission limit, the facility must demonstrate continuous compliance by meeting the requirements in this condition, and meeting the parameter monitoring requirements listed in §63.1350(m)(1)-(4) and the emission monitoring plan provisions listed in §63.1350(p)(1)-(4).



The facility must install, calibrate, maintain, and continuously operate a continuous monitoring system (CMS) to record the temperature of the exhaust gases from the kiln, in-line kiln/raw mill, and alkali bypass, if applicable, at the inlet to, or upstream of, the kiln, in-line kiln/raw mill and/or alkali bypass particulate matter control devices.

The temperature recorder response range must include zero and 1.5 times the average temperature established according to the requirements in §63.1349(b)(3)(iv).

The calibration reference for the temperature measurement must be a National Institute of Standards of Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the EPA Administrator.

The calibration of all thermocouples and other temperature sensors must be verified at least once every three months.

The facility must monitor and continuously record the temperature of the exhaust gases from the kiln, in-line kiln/raw mill, and alkali bypass, if applicable, at the inlet to the kiln, in-line kiln/raw mill and/or alkali bypass particulate matter control device.

The required minimum data collection frequency must be one minute.

Each hour, calculate the three-hour average temperature for the previous 3 hours of process operation using all of the one-minute data available (i.e., the CMS is not out-of-control).

When the operating status of the raw mill of the in-line kiln/raw mill is changed from off to on or from on to off, the calculation of the 3-hour rolling average temperature must begin anew, without considering previous recordings.

Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-45: Notification Requirements
Effective between the dates of 07/19/2011 and 09/12/2015



Applicable Federal Requirement:40CFR 63.1353, Subpart LLL

Item 12-45.1:

The notification provisions of 40 CFR 63 Subpart A that apply and those that do not apply to owners and operators of affected sources subject to Subpart LLL are listed in Table 1 of 40 CFR 63, Subpart LLL. Each owner or operator subject to the requirements of Subpart LLL shall comply with the notifications requirements are follows:

- Initial notifications are required by 40 CFR 63.9(b) through (d)
- Notification of performance tests
- Notification of opacity and visible emission observations
- Notification of the date that the continuous emission monitor performance evaluation is scheduled to begin
- Notification of compliance status.

Condition 12-46: Recordkeeping Requirements

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:40CFR 63.1355, Subpart LLL

Item 12-46.1:

(a) The owner or operator shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by 40 CFR 63.10(b)(1). The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(b) The owner or operator shall maintain records for each affected source as required by 40 CFR 63.10(b)(2) and (b)(3) of this part; and

(1) All documentation supporting initial notifications and notifications of compliance status under 40 CFR 63.9;

(2) All records of applicability determination, including supporting analyses; and

(3) If the owner or operator has been granted a waiver under 40 CFR 63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

(c) In addition to the recordkeeping requirements in paragraph (b) of this section, the owner or operator of an affected source equipped with a continuous monitoring system shall maintain all records required by 40 CFR 63.10(c).

(d) You must keep annual records of the amount of CKD which is removed from the kiln system and either disposed of as solid waste or otherwise recycled for a beneficial use outside of the kiln system.

(e) You must keep records of the daily clinker production rates and kiln feed rates.

(f) You must keep records of the occurrence and duration of each startup or shutdown.

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



(g)(1) You must keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

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

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

Condition 60: Emission Point Definition By Emission Unit
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 60.1(From Mod 12):

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

Emission Unit: 0-20000

Emission Point: 34301

Height (ft.): 55

Diameter (in.): 22

NYTMN (km.): 4705.508

NYTME (km.): 597.444

Building:

2NDCRUSHER

Emission Point: 46014

Height (ft.): 62

Length (in.): 8

Width (in.): 16

NYTMN (km.): 4705.741

NYTME (km.): 597.504

Building: MASONSILO

Emission Point: 46015

Height (ft.): 77

Length (in.): 22

Width (in.): 15

NYTMN (km.): 4705.6

NYTME (km.): 597.3

Building: LIMESTONES

Emission Point: 46017

Height (ft.): 97

Length (in.): 12

Width (in.): 14

NYTMN (km.): 4705.721

NYTME (km.): 597.417

Building: MILLBLDING

Item 60.2(From Mod 12):

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

Emission Unit: 0-21000

Emission Point: 11501

Height (ft.): 65

Length (in.): 55

Width (in.): 55

NYTMN (km.): 4705.704

NYTME (km.): 597.482

Building: NEW2NDCR

Emission Point: 13801

Height (ft.): 10

Length (in.): 40

Width (in.): 40

NYTMN (km.): 4705.704

NYTME (km.): 597.482

Building: PREBLEND

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Point: 13802			
Height (ft.): 75	Length (in.): 28	Width (in.): 28	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: PREBLEND	
Emission Point: 13803			
Height (ft.): 20	Length (in.): 29	Width (in.): 29	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: PREBLEND	
Emission Point: 23301			
Height (ft.): 127	Length (in.): 28	Width (in.): 28	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT2	
Emission Point: 23302			
Height (ft.): 89	Length (in.): 23	Width (in.): 23	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT2	
Emission Point: 23303			
Height (ft.): 54	Length (in.): 15	Width (in.): 15	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT1	
Emission Point: 23304			
Height (ft.): 54	Length (in.): 15	Width (in.): 15	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT1	
Emission Point: 23305			
Height (ft.): 545	Length (in.): 15	Width (in.): 15	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT1	
Emission Point: 23306			
Height (ft.): 10	Length (in.): 20	Width (in.): 20	
NYTMN (km.): 4705.704	NYTME (km.): 597.482		
Emission Point: 23307			
Height (ft.): 10	Length (in.): 20	Width (in.): 20	
NYTMN (km.): 4705.704	NYTME (km.): 597.482		
Emission Point: 23601			
Height (ft.): 23	Length (in.): 23	Width (in.): 23	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT2	
Emission Point: 23602			
Height (ft.): 23	Length (in.): 30	Width (in.): 30	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT1	
Emission Point: 23603			
Height (ft.): 23	Length (in.): 21	Width (in.): 21	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT1	
Emission Point: 23604			
Height (ft.): 15	Length (in.): 16	Width (in.): 16	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT1	

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Point: 23608			
Height (ft.): 23	Length (in.): 23	Width (in.): 23	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: RAWMAT2	

Item 60.3(From Mod 12):

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

Emission Unit: 0-22000

Emission Point: 63302			
Height (ft.): 146	Length (in.): 22	Width (in.): 22	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: COALRAW1	

Emission Point: 63303			
Height (ft.): 146	Length (in.): 22	Width (in.): 22	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: COALRAW1	

Emission Point: 63304			
Height (ft.): 70	Length (in.): 12	Width (in.): 12	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: PFSILO	

Emission Point: 63305			
Height (ft.): 70	Length (in.): 12	Width (in.): 12	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: PFSILO	

Emission Point: 63306			
Height (ft.): 10	Length (in.): 12	Width (in.): 12	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: COALBH	

Emission Point: 63307			
Height (ft.): 10	Length (in.): 12	Width (in.): 12	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: COALBH	

Emission Point: 63308			
Height (ft.): 35	Length (in.): 14	Width (in.): 14	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: COALBH	

Emission Point: 63309			
Height (ft.): 146	Length (in.): 1	Width (in.): 17	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: COALRAW1	

Emission Point: 66001			
Height (ft.): 30	Length (in.): 16	Width (in.): 16	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: ASF	

Emission Point: 66002			
Height (ft.): 30	Length (in.): 17	Width (in.): 17	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: ASF	

Item 60.4(From Mod 12):

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



Emission Unit: 0-33000

- Emission Point: 23605
 Height (ft.): 35 Length (in.): 24 Width (in.): 24
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: RAWMILL
- Emission Point: 23606
 Height (ft.): 124 Length (in.): 35 Width (in.): 35
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: RAWMILL
- Emission Point: 23607
 Height (ft.): 65 Length (in.): 17 Width (in.): 17
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: RAWMILL
- Emission Point: 23801
 Height (ft.): 50 Length (in.): 12 Width (in.): 12
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: RMCYCLON
- Emission Point: 23802
 Height (ft.): 20 Length (in.): 26 Width (in.): 26
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BLEND
- Emission Point: 23803
 Height (ft.): 180 Length (in.): 30 Width (in.): 30
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BLEND
- Emission Point: 23805
 Height (ft.): 20 Length (in.): 21 Width (in.): 21
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BLEND
- Emission Point: 33202
 Height (ft.): 20 Length (in.): 28 Width (in.): 28
 NYTMN (km.): 4705.704 NYTME (km.): 597.482
- Emission Point: 33203
 Height (ft.): 345 Length (in.): 27 Width (in.): 27
 NYTMN (km.): 4705.704 NYTME (km.): 597.482
- Emission Point: 33204
 Height (ft.): 10 Length (in.): 19 Width (in.): 19
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BLEND
- Emission Point: 33205
 Height (ft.): 45 Length (in.): 15 Width (in.): 15
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BLEND
- Emission Point: 33206
 Height (ft.): 20 Length (in.): 19 Width (in.): 10
 NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BLEND
- Emission Point: 33207

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Height (ft.): 337 Length (in.): 27 Width (in.): 27
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: PREHEAT

Item 60.5(From Mod 12):

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

Emission Unit: 0-41000

Emission Point: 43101
Height (ft.): 350 Diameter (in.): 240
NYTMN (km.): 4705.983 NYTME (km.): 597.45 Building:
FEEDENDBLG

Emission Point: 45101
Height (ft.): 127 Diameter (in.): 120
NYTMN (km.): 4705.75 NYTME (km.): 597.417 Building:
DISCHENDBG

Emission Point: 45201
Height (ft.): 127 Diameter (in.): 120
NYTMN (km.): 4705.75 NYTME (km.): 597.431 Building:
DISCHENDBG

Item 60.6(From Mod 12):

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

Emission Unit: 0-41100

Emission Point: 33401
Height (ft.): 526 Diameter (in.): 279
NYTMN (km.): 4705.5 NYTME (km.): 597.35 Building: PREHEAT

Item 60.7(From Mod 12):

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

Emission Unit: 0-41200

Emission Point: 33402
Height (ft.): 25 Length (in.): 22 Width (in.): 22
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: KILNBH

Emission Point: 33403
Height (ft.): 85 Length (in.): 18 Width (in.): 18
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: KILNBH

Emission Point: 33404
Height (ft.): 15 Length (in.): 13 Width (in.): 13
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: KILNBH

Emission Point: 33405
Height (ft.): 30 Length (in.): 10 Width (in.): 10
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: SCRUBBER

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Point: 33502
Height (ft.): 65 Length (in.): 21 Width (in.): 21
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BYPASS

Emission Point: 33503
Height (ft.): 10 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BYPASS

Emission Point: 33506
Height (ft.): 146 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: KILNBH

Item 60.8(From Mod 12):

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

Emission Unit: 0-42000

Emission Point: 40100
Height (ft.): 114 Length (in.): 12 Width (in.): 24
NYTMN (km.): 4706.14 NYTME (km.): 597.635 Building: PUGBLDG

Emission Point: 46008
Height (ft.): 112 Length (in.): 16 Width (in.): 16
NYTMN (km.): 4705.699 NYTME (km.): 597.425 Building: MILLBLDING

Emission Point: 46011
Height (ft.): 91 Length (in.): 16 Width (in.): 16
NYTMN (km.): 4705.695 NYTME (km.): 597.446 Building: MILLBLDING

Item 60.9(From Mod 12):

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

Emission Unit: 0-43000

Emission Point: 30903
Height (ft.): 90 Length (in.): 33 Width (in.): 33
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: CLINK1

Emission Point: 32801
Height (ft.): 127 Diameter (in.): 120
NYTMN (km.): 4705.75 NYTME (km.): 597.431

Emission Point: 33801
Height (ft.): 127 Diameter (in.): 120
NYTMN (km.): 4705.704 NYTME (km.): 597.482

Emission Point: 33901
Height (ft.): 10 Length (in.): 25 Width (in.): 25
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: COOLER

Emission Point: 33902

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Height (ft.): 25 NYTMN (km.): 4705.704	Length (in.): 20 NYTME (km.): 597.482	Width (in.): 20 Building: COOLER
Emission Point: 33903 Height (ft.): 25 NYTMN (km.): 4705.704	Length (in.): 30 NYTME (km.): 597.482	Width (in.): 30 Building: COOLER
Emission Point: 33904 Height (ft.): 214 NYTMN (km.): 4705.704	Length (in.): 43 NYTME (km.): 597.482	Width (in.): 43 Building: HOTBIN
Emission Point: 33905 Height (ft.): 18 NYTMN (km.): 4705.704	Length (in.): 28 NYTME (km.): 597.482	Width (in.): 28 Building: HOTBIN
Emission Point: 33906 Height (ft.): 150 NYTMN (km.): 4705.704	Length (in.): 29 NYTME (km.): 597.482	Width (in.): 20 Building: CLINK1
Emission Point: 33907 Height (ft.): 150 NYTMN (km.): 4705.704	Length (in.): 29 NYTME (km.): 597.482	Width (in.): 29 Building: CLINK2
Emission Point: 33908 Height (ft.): 150 NYTMN (km.): 4705.704	Length (in.): 27 NYTME (km.): 597.482	Width (in.): 27 Building: CLINK1
Emission Point: 33909 Height (ft.): 25 NYTMN (km.): 4705.704	Length (in.): 32 NYTME (km.): 597.482	Width (in.): 32 Building: COOLER
Emission Point: 41101 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41102 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41103 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41104 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41105 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41106		

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41107 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41108 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41109 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41110 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK1
Emission Point: 41111 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41112 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41113 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41114 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41115 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41116 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41117 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41118 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41119		

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41120 Height (ft.): 10 NYTMN (km.): 4705.704	Length (in.): 24 NYTME (km.): 597.482	Width (in.): 24 Building: CLINK2
Emission Point: 41121 Height (ft.): 30 NYTMN (km.): 4705.704	Diameter (in.): 30 NYTME (km.): 597.482	
Emission Point: 41122 Height (ft.): 30 NYTMN (km.): 4705.704	Length (in.): 30 NYTME (km.): 597.482	Width (in.): 30

Item 60.10(From Mod 12):

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

Emission Unit: 0-51000		
Emission Point: 41603 Height (ft.): 150 NYTMN (km.): 4705.704	Diameter (in.): 86 NYTME (km.): 597.482	Building: MILLBLDG
Emission Point: 41604 Height (ft.): 65 NYTMN (km.): 4705.704	Length (in.): 12 NYTME (km.): 597.482	Width (in.): 12 Building: MILLBLDG
Emission Point: 52101 Height (ft.): 51 NYTMN (km.): 4705.745	Length (in.): 18 NYTME (km.): 597.468	Width (in.): 15 Building: MILLBLDING
Emission Point: 53101 Height (ft.): 54 NYTMN (km.): 4705.735	Length (in.): 29 NYTME (km.): 597.468	Width (in.): 22 Building: MILLBLDING
Emission Point: 53102 Height (ft.): 128 NYTMN (km.): 4705.713	Diameter (in.): 50 NYTME (km.): 597.465	Building: MILLBLDING

Item 60.11(From Mod 12):

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

Emission Unit: 0-52000		
Emission Point: 52201 Height (ft.): 51 NYTMN (km.): 4705.733	Length (in.): 18 NYTME (km.): 597.519	Width (in.): 15 Building: MILLBLDING
Emission Point: 53201 Height (ft.): 54 NYTMN (km.): 4705.732	Length (in.): 29 NYTME (km.): 597.503	Width (in.): 22 Building: MILLBLDING

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Point: 53202
Height (ft.): 120 Diameter (in.): 50
NYTMN (km.): 4705.713 NYTME (km.): 597.495 Building: MILLBLDING

Item 60.12(From Mod 12):

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

Emission Unit: 0-53000

Emission Point: 43603
Height (ft.): 150 Diameter (in.): 86
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: MILLBLDG

Emission Point: 43604
Height (ft.): 65 Length (in.): 12 Width (in.): 12
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: MILLBLDG

Emission Point: 52301
Height (ft.): 51 Length (in.): 18 Width (in.): 15
NYTMN (km.): 4705.743 NYTME (km.): 597.493 Building: MILLBLDING

Emission Point: 53301
Height (ft.): 54 Length (in.): 29 Width (in.): 22
NYTMN (km.): 4705.743 NYTME (km.): 597.481 Building: MILLBLDING

Emission Point: 53302
Height (ft.): 120 Diameter (in.): 50
NYTMN (km.): 4705.713 NYTME (km.): 597.522 Building: MILLBLDING

Item 60.13(From Mod 12):

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

Emission Unit: 0-54000

Emission Point: 52401
Height (ft.): 92 Diameter (in.): 36
NYTMN (km.): 4705.76 NYTME (km.): 597.521 Building: MILLBLDING

Emission Point: 53401
Height (ft.): 52 Length (in.): 42 Width (in.): 18
NYTMN (km.): 4705.741 NYTME (km.): 597.519 Building: MILLBLDING

Emission Point: 53402
Height (ft.): 135 Diameter (in.): 48
NYTMN (km.): 4705.706 NYTME (km.): 597.511 Building: MILLBLDING

Emission Point: 53403
Height (ft.): 135 Diameter (in.): 48
NYTMN (km.): 4705.705 NYTME (km.): 597.522 Building: MILLBLDING

Item 60.14(From Mod 12):

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

Emission Unit: 0-55000

Emission Point: 40301	Height (ft.): 60	Length (in.): 33	Width (in.): 33
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: MILLBLDG	
Emission Point: 40302	Height (ft.): 20	Length (in.): 33	Width (in.): 33
NYTMN (km.): 4705.704	NYTME (km.): 597.482		
Emission Point: 40303	Height (ft.): 100	Length (in.): 34	Width (in.): 34
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FMBINS	
Emission Point: 45301	Height (ft.): 75	Length (in.): 39	Width (in.): 39
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FMBINS	
Emission Point: 45302	Height (ft.): 65	Length (in.): 22	Width (in.): 22
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FMBINS	
Emission Point: 45303	Height (ft.): 65	Length (in.): 22	Width (in.): 22
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FMBINS	
Emission Point: 45304	Height (ft.): 65	Length (in.): 22	Width (in.): 22
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FMBINS	
Emission Point: 45606	Height (ft.): 65	Length (in.): 12	Width (in.): 12
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FM5BH	
Emission Point: 46301	Height (ft.): 15	Length (in.): 29	Width (in.): 29
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FMBINS	
Emission Point: 46302	Height (ft.): 15	Length (in.): 24	Width (in.): 24
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FMBINS	
Emission Point: 46303	Height (ft.): 80	Length (in.): 16	Width (in.): 16
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FM5	
Emission Point: 46304	Height (ft.): 145	Diameter (in.): 157	
NYTMN (km.): 4705.704	NYTME (km.): 597.482	Building: FM5BH	

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Point: 46501
Height (ft.): 45 Length (in.): 20 Width (in.): 20
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: FM5

Item 60.15(From Mod 12):

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

Emission Unit: 0-71000

Emission Point: 62002
Height (ft.): 171 Length (in.): 15 Width (in.): 16
NYTMN (km.): 4705.93 NYTME (km.): 597.598 Building: CUSTOSILOS

Emission Point: 62003
Height (ft.): 171 Length (in.): 24 Width (in.): 24
NYTMN (km.): 4705.4 NYTME (km.): 597.3 Building: CUSTOSILOS

Emission Point: 62004
Height (ft.): 171 Length (in.): 24 Width (in.): 24
NYTMN (km.): 4705.4 NYTME (km.): 597.3 Building: CUSTOSILOS

Emission Point: 62005
Height (ft.): 171 Length (in.): 15 Width (in.): 16
NYTMN (km.): 4705.4 NYTME (km.): 597.3 Building: CUSTOSILOS

Emission Point: 62006
Height (ft.): 171 Length (in.): 15 Width (in.): 16
NYTMN (km.): 4705.935 NYTME (km.): 597.618 Building: CUSTOSILOS

Emission Point: 62007
Height (ft.): 57 Diameter (in.): 21
NYTMN (km.): 4706.057 NYTME (km.): 597.613 Building: CUSTOSILOS

Emission Point: 62008
Height (ft.): 57 Diameter (in.): 21
NYTMN (km.): 4706.048 NYTME (km.): 597.612 Building: CUSTOSILOS

Emission Point: 62009
Height (ft.): 60 Diameter (in.): 21
NYTMN (km.): 4706.04 NYTME (km.): 597.61 Building: CUSTOSILOS

Emission Point: 63001
Height (ft.): 55 Diameter (in.): 20
NYTMN (km.): 4705.964 NYTME (km.): 597.602 Building:
PACKHSEBLG

Emission Point: 63002
Height (ft.): 55 Diameter (in.): 20
NYTMN (km.): 4705.955 NYTME (km.): 597.601 Building:
PACKHSEBLG

Emission Point: 63003

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Height (ft.): 30 Diameter (in.): 6
NYTMN (km.): 4705.947 NYTME (km.): 597.601 Building:
PACKHSEBLG

Emission Point: 63004
Height (ft.): 33 Length (in.): 13 Width (in.): 11
NYTMN (km.): 4705.964 NYTME (km.): 597.609 Building:
PACKHSEBLG

Item 60.16(From Mod 12):

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

Emission Unit: 0-71100

Emission Point: 40801
Height (ft.): 25 Length (in.): 24 Width (in.): 24
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: CUSTSILOS

Item 60.17(From Mod 12):

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

Emission Unit: 0-72000

Emission Point: 55001
Height (ft.): 128 Length (in.): 12 Width (in.): 24
NYTMN (km.): 4705.848 NYTME (km.): 597.64 Building: BUFFESILOS

Emission Point: 55002
Height (ft.): 128 Diameter (in.): 15
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BUFFESILOS

Emission Point: 55003
Height (ft.): 128 Diameter (in.): 15
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BUFFESILOS

Emission Point: 55004
Height (ft.): 128 Diameter (in.): 15
NYTMN (km.): 4705.839 NYTME (km.): 597.64 Building: BUFFESILOS

Emission Point: 55005
Height (ft.): 128 Diameter (in.): 15
NYTMN (km.): 4705.704 NYTME (km.): 597.482 Building: BUFFESILOS

Emission Point: 55006
Height (ft.): 128 Diameter (in.): 15
NYTMN (km.): 4705.828 NYTME (km.): 597.641 Building: BUFFESILOS

Emission Point: 57001
Height (ft.): 17 Diameter (in.): 17
NYTMN (km.): 4705.769 NYTME (km.): 597.64 Building: BUFFESILOS

Emission Point: 57002

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Height (ft.): 27 Diameter (in.): 16
NYTMN (km.): 4705.846 NYTME (km.): 597.647

Emission Point: 57003
Height (ft.): 41 Length (in.): 12 Width (in.): 11
NYTMN (km.): 4704.972 NYTME (km.): 598.89

Emission Point: 62001
Height (ft.): 23 Diameter (in.): 16
NYTMN (km.): 4705.829 NYTME (km.): 597.649 Building: BUFFESILOS

Item 60.18(From Mod 12):

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

Emission Unit: 0-90000

Emission Point: 32002
Height (ft.): 40 Diameter (in.): 18
NYTMN (km.): 4704.833 NYTME (km.): 596.37 Building: PRCRUSHER

Item 60.19(From Mod 12):

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

Emission Unit: 1-00000

Emission Point: 58001
Height (ft.): 102 Diameter (in.): 13
NYTMN (km.): 4704.932 NYTME (km.): 599.712 Building: WHARF

AREA

Item 60.20(From Mod 0):

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

Emission Unit: 0-20000

Emission Point: 46012
Height (ft.): 77 Length (in.): 22 Width (in.): 15
NYTMN (km.): 4705.734 NYTME (km.): 597.543 Building: FLYASHSILO

Emission Point: 46013
Height (ft.): 114 Diameter (in.): 12
NYTMN (km.): 4705.72 NYTME (km.): 597.436 Building: MILLBLDING

Item 60.21(From Mod 0):

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

Emission Unit: 0-42000

Emission Point: 43102
Height (ft.): 74 Length (in.): 12 Width (in.): 11
NYTMN (km.): 4705.937 NYTME (km.): 597.44 Building:

FEEDENDBLG

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Point: 43103
Height (ft.): 81 Diameter (in.): 38
NYTMN (km.): 4705.88 NYTME (km.): 597.449 Building:
SCOOPTOWR1

Emission Point: 43104
Height (ft.): 74 Length (in.): 12 Width (in.): 11
NYTMN (km.): 4705.938 NYTME (km.): 597.455 Building:
FEEDENDBLG

Emission Point: 43105
Height (ft.): 81 Diameter (in.): 38
NYTMN (km.): 4705.881 NYTME (km.): 597.429 Building:
SCOOPTOWR2

Emission Point: 43106
Height (ft.): 24 Length (in.): 8 Width (in.): 8
NYTMN (km.): 4705.95 NYTME (km.): 597.446 Building:
FEEDENDBLG

Emission Point: 46018
Height (ft.): 130 Diameter (in.): 32
NYTMN (km.): 4705.734 NYTME (km.): 597.428 Building:
DISCHENDBG

Emission Point: 46019
Height (ft.): 130 Diameter (in.): 32
NYTMN (km.): 4705.696 NYTME (km.): 597.469 Building:
DISCHENDBG

Item 60.22(From Mod 0):

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

Emission Unit: 0-73000

Emission Point: 62010
Height (ft.): 20 Diameter (in.): 7
NYTMN (km.): 4705.792 NYTME (km.): 597.612

Condition 61: Process Definition By Emission Unit

Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 61.1(From Mod 12):

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

Emission Unit: 0-20000
Process: LCR Source Classification Code: 3-05-007-10
Process Description:
SECONDARY CRUSHING OF CALCIUM SOURCES



(E.G., LIMESTONE) USED IN CEMENT
MANUFACTURE.

Emission Source/Control: 2DC01 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2CRSH - Process

Item 61.2(From Mod 12):

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

Emission Unit: 0-20000
Process: LMS Source Classification Code: 3-05-007-12
Process Description:
STORAGE AND TRANSFER OF LIMESTONE FROM THE
SILOS TO THE MILLING MACHINES.

Emission Source/Control: 1LMST - Process

Item 61.3(From Mod 12):

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

Emission Unit: 0-20000
Process: MAS Source Classification Code: 3-05-007-18
Process Description:
TRANSFER OF MATERIAL INTO AND OUT OF THE
MASONRY FRINGE SILO. THIS PROCESS IS
VENTED BY A DUST COLLECTOR LOCATED ON TOP
OF THE MASONRY FRINGE SILO.

Emission Source/Control: 2DC01 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2DC02 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 1LMST - Process

Emission Source/Control: 2C7OF - Process

Emission Source/Control: 2C7ON - Process

Emission Source/Control: 2CRSH - Process

Emission Source/Control: 2CRWF - Process

Item 61.4(From Mod 12):

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

Emission Unit: 0-20000
Process: RX2 Source Classification Code: 3-05-007-12
Process Description:



TRANSFER OF RAW MATERIALS (CALCIUM SOURCES, SOLID FUEL, AND IRON SOURCES) FROM CONVEYOR 7 DISCHARGE CHUTE TO THE SHUTTLE BELT LOAD CHUTE.

Emission Source/Control: 2DC01 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2DC02 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2C7OF - Process

Emission Source/Control: 2C7ON - Process

Emission Source/Control: 2CRSH - Process

Emission Source/Control: 2CRWF - Process

Item 61.5(From Mod 12):

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

Emission Unit: 0-21000
Process: ADS Source Classification Code: 3-05-006-99
Process Description: New storage silos for additive materials.

Emission Source/Control: DC007 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC008 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC009 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC011 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC012 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2ADR1 - Process
Design Capacity: 275 tons per hour

Emission Source/Control: 2ADR2 - Process
Design Capacity: 275 tons per hour

Emission Source/Control: 2ADS1 - Process
Design Capacity: 275 tons per hour

Emission Source/Control: 2ADS2 - Process
Design Capacity: 275 tons per hour

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Source/Control: 2ADS3 - Process
Design Capacity: 275 tons per hour

Item 61.6(From Mod 12):

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

Emission Unit: 0-21000
Process: ADT Source Classification Code: 3-05-006-12
Process Description: Transfer of additives to additive silos (new).

Emission Source/Control: DC081 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC082 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2ADT1 - Process
Design Capacity: 2,754 tons per hour

Emission Source/Control: 2ADT2 - Process
Design Capacity: 275 tons per hour

Item 61.7(From Mod 12):

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

Emission Unit: 0-21000
Process: CR2 Source Classification Code: 3-05-006-10
Process Description: New secondary crusher.

Emission Source/Control: DC001 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2NDCR - Process
Design Capacity: 1,540 tons per hour

Item 61.8(From Mod 12):

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

Emission Unit: 0-21000
Process: LSS Source Classification Code: 3-05-006-99
Process Description: New limestone silos.

Emission Source/Control: DC005 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC006 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC010 - Control
Control Type: FABRIC FILTER

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Source/Control: DC109 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2LSIL - Process
Design Capacity: 1,540 tons per hour

Emission Source/Control: 2LSR1 - Process
Design Capacity: 1,540 tons per hour

Emission Source/Control: 2LSR2 - Process
Design Capacity: 1,540 tons per hour

Emission Source/Control: 2LSTR - Process
Design Capacity: 1,540 tons per hour

Item 61.9(From Mod 12):

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

Emission Unit: 0-21000
Process: PBL Source Classification Code: 3-05-006-12
Process Description:
New pre-blend system (transfer to pre-homo/RM feed bins,
circular stacker feed, pre-homo reclaim).

Emission Source/Control: DC002 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC003 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC004 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2PBCS - Process
Design Capacity: 1,210 tons per hour

Emission Source/Control: 2PBRC - Process
Design Capacity: 1,210 tons per hour

Emission Source/Control: 2PBTR - Process
Design Capacity: 1,210 tons per hour

Item 61.10(From Mod 12):

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

Emission Unit: 0-21000
Process: RMX Source Classification Code: 3-05-006-12
Process Description: New raw mix belt.

Emission Source/Control: DC080 - Control
Control Type: FABRIC FILTER

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Source/Control: 2RMTR - Process
Design Capacity: 275 tons per hour

Item 61.11(From Mod 12):

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

Emission Unit: 0-22000
Process: ASF Source Classification Code: 3-05-102-99
Process Description: Alternate solid fuels handling and storage (new).

Emission Source/Control: DC076 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC077 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2ASFB - Process
Design Capacity: 44 tons per hour

Emission Source/Control: 2ASFQ - Process
Design Capacity: 44 tons per hour

Item 61.12(From Mod 12):

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

Emission Unit: 0-22000
Process: CLB Source Classification Code: 3-05-101-03
Process Description: Pulverized fuel transfer (new).

Emission Source/Control: DC074 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC075 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC094 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2PF01 - Process
Design Capacity: 59 tons per hour

Emission Source/Control: 2PF02 - Process
Design Capacity: 59 tons per hour

Emission Source/Control: 2PFBH - Process
Design Capacity: 59 tons per hour

Item 61.13(From Mod 12):

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

Emission Unit: 0-22000
Process: CLR Source Classification Code: 3-05-102-03



Process Description: Raw coal/coke storage (new).

Emission Source/Control: DC070 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC071 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC108 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2CKRB - Process
Design Capacity: 550 tons per hour

Emission Source/Control: 2CLRB - Process
Design Capacity: 550 tons per hour

Emission Source/Control: 2CPRB - Process
Design Capacity: 550 tons per hour

Item 61.14(From Mod 12):

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

Emission Unit: 0-22000
Process: PFS Source Classification Code: 3-05-102-03
Process Description: Pulverized fuel storage (new).

Emission Source/Control: DC072 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC073 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2PFS1 - Process
Design Capacity: 59 tons per hour

Emission Source/Control: 2PFS2 - Process
Design Capacity: 59 tons per hour

Item 61.15(From Mod 12):

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

Emission Unit: 0-31000
Process: RM1 Source Classification Code: 3-05-007-12
Process Description:
TRANSFER OF RAW MATERIAL TO RAW MILL 1
USING RAW MILL 1 FEED BELT.

Emission Source/Control: 3M1FB - Process

Item 61.16(From Mod 12):

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-31000

Process: TC1

Source Classification Code: 3-05-007-10

Process Description:

TERTIARY CRUSHING OF RAW MATERIAL PRIOR TO
RAW MILL 1.

Emission Source/Control: 3DC01 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 3M1TC - Process

Item 61.17(From Mod 12):

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

Emission Unit: 0-32000

Process: RM2

Source Classification Code: 3-05-007-12

Process Description:

TRANSFER OF RAW MATERIAL TO RAW MILL 2
USING RAW MILL 2 FEED BELT.

Emission Source/Control: 3M2FB - Process

Item 61.18(From Mod 12):

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

Emission Unit: 0-32000

Process: TC2

Source Classification Code: 3-05-007-10

Process Description:

TERTIARY CRUSHING OF RAW MATERIAL PRIOR TO
RAW MILL 2.

Emission Source/Control: 3DC02 - Control

Control Type: WET SCRUBBER

Emission Source/Control: 3M2TC - Process

Item 61.19(From Mod 12):

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

Emission Unit: 0-33000

Process: KFP

Source Classification Code: 3-05-006-12

Process Description: Transfer of kiln feed to preheater tower (new).

Emission Source/Control: DC019 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC020 - Control

Control Type: FABRIC FILTER

Emission Source/Control: DC104 - Control

Control Type: FABRIC FILTER



Emission Source/Control: 3KFBE - Process
Design Capacity: 697 tons per hour

Emission Source/Control: 3KFPH - Process
Design Capacity: 697 tons per hour

Emission Source/Control: 3KFPS - Process
Design Capacity: 697 tons per hour

Item 61.20(From Mod 12):

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

Emission Unit: 0-33000
Process: RMB Source Classification Code: 3-05-006-12
Process Description: Raw meal blending (new).

Emission Source/Control: DC016 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC017 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC021 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC085 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC088 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC089 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3BLSB - Process
Design Capacity: 697 tons per hour

Emission Source/Control: 3RMBE - Process
Design Capacity: 697 tons per hour

Emission Source/Control: 3RMBL - Process
Design Capacity: 697 tons per hour

Emission Source/Control: 3RMBS - Process
Design Capacity: 697 tons per hour

Emission Source/Control: 3RMPH - Process
Design Capacity: 697 tons per hour

Item 61.21(From Mod 12):

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-33000
Process: RMR Source Classification Code: 3-05-006-12
Process Description: Raw meal transfer (new).

Emission Source/Control: DC015 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3RMCT - Process
Design Capacity: 697 tons per hour

Item 61.22(From Mod 12):

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

Emission Unit: 0-33000
Process: RMT Source Classification Code: 3-05-006-12
Process Description: Raw meal transfer (new).

Emission Source/Control: DC013 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC014 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC083 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 3RMEB - Process
Design Capacity: 697 tons per hour

Emission Source/Control: 3RMEH - Process
Design Capacity: 697 tons per hour

Emission Source/Control: 3RMRH - Process
Design Capacity: 697 tons per hour

Item 61.23(From Mod 12):

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

Emission Unit: 0-41000
Process: K12 Source Classification Code: 3-05-007-06
Process Description:

MANUFACTURE OF CLINKER BY TWO ROTARY WET
PROCESS KILNS. IN THE WET PROCESS, THE
KILNS ARE PRIMARILY FED A WATER-BASED
SLURRY. THE WATER IS DRIVEN OFF IN THE
KILN AND THE RAW FEED IS CONVERTED TO
CLINKER. PARTICULATE EMISSIONS ARE
CONTROLLED BY TWO ELECTROSTATIC
PRECIPITATOR UNITS, EACH CONSISTING OF TWO
UNITS (LOWER AND UPPER). BOTH ESPS ARE
CONNECTED TO A SINGLE, MAIN STACK (EP



43101).

DURING NORMAL PRODUCTION OPERATION, THE KILNS USE A SOLID FUEL MIXTURE OF COAL AND/OR COKE OR FUEL OIL. WHEN THE KILNS ARE STARTED UP, FUEL OIL IS USED TO PREHEAT THEM BEFORE RESUMING NORMAL PRODUCTION OPERATIONS. SEE SEPARATE PERMIT CONDITION UNDER PART 201-6.5(f) FOR THE PROTOCOL FOR USE OF NON-HAZARDOUS ALTERNATE FUELS AND RAW MATERIALS.

AS A SOLID FUEL, THE KILNS MAY ALSO UTILIZE TIRE-DERIVED-FUEL (TDF) WHICH MAY BE FIRED IN THE KILN THROUGH A MID-KILN INJECTION SYSTEM AND ASSOCIATED CONVEYING AND HANDLING EQUIPMENT. TDF MAY BE USED TO REPLACE UP TO 20% OF THE FOSSIL SOLID FUEL HEAT INPUT (APPROXIMATELY 6 TIRES PER REVOLUTION) FOR EACH OF THE TWO CEMENT KILNS.

TDF WILL NOT BE USED DURING KILN START UP AND SHUT DOWN (START UP AND SHUT DOWN AS DEFINED IN THE FACILITY'S START UP, SHUTDOWN, MALFUNCTION (SSM) PLAN); USAGE WILL BE CEASED DURING MALFUNCTION (MALFUNCTION AS DEFINED IN THE SSM PLAN). THE SSM PLAN SHALL BE REVISED TO ADDRESS TDF FIRING. TDF WILL NOT BE FIRED WITHOUT NYSDEC APPROVAL OF THE REVISED SSM PLAN.

A MIXING FAN WILL BE INSTALLED IN THE KILNS TO AID TDF COMBUSTION.

Emission Source/Control: 4ESP1 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 4ESP2 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: 4KLN1 - Process

Emission Source/Control: 4KLN2 - Process

Item 61.24(From Mod 12):

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

Emission Unit: 0-41100



Process: CCL Source Classification Code: 3-05-006-14
Process Description: New clinker cooler.

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

Emission Source/Control: 4CCL3 - Process
Design Capacity: 367 tons per hour

Item 61.25(From Mod 12):

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

Emission Unit: 0-41100
Process: KLN Source Classification Code: 3-05-006-06
Process Description: New kiln, in-line raw mill, bypass and coal mill.

Emission Source/Control: DC023 - Control
Control Type: FABRIC FILTER

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

Emission Source/Control: SCRUB - Control
Control Type: WET SCRUBBER

Emission Source/Control: 4CMIL - Process
Design Capacity: 59.1 tons per hour

Emission Source/Control: 4KBYP - Process

Emission Source/Control: 4KLN3 - Process

Item 61.26(From Mod 12):

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

Emission Unit: 0-41200
Process: BYP Source Classification Code: 3-05-006-99
Process Description: Bypass dust handling and storage (new).

Emission Source/Control: DC024 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC025 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4BYPB - Process

Emission Source/Control: 4BYPH - Process
Design Capacity: 10 tons per hour

Item 61.27(From Mod 12):

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



Emission Unit: 0-41200
Process: CKD Source Classification Code: 3-05-006-99
Process Description: CKD handling and storage (new).

Emission Source/Control: DC084 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC086 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC090 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC110 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4CKDB - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 4CKDC - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 4CKDP - Process
Design Capacity: 50 tons per hour

Emission Source/Control: 4DPFM - Process
Design Capacity: 50 tons per hour

Item 61.28(From Mod 12):

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

Emission Unit: 0-41200
Process: SCB Source Classification Code: 3-05-006-99
Process Description: Scrubber regent bin (new).

Emission Source/Control: DC022 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4SCRB - Process
Design Capacity: 4 tons per hour

Item 61.29(From Mod 12):

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

Emission Unit: 0-42000
Process: CX1 Source Classification Code: 3-05-007-16
Process Description:

TRANSFER OF CLINKER FROM THE CLINKER
TRANSPORT SYSTEMS FOR EACH KILN SYSTEM TO
CLINKER SILO 8 AND CLINKER SILO 11 LOCATED
IN THE MILL BUILDING.



THE PUGMILL'S FUNCTION IS TO PRE-CONDITION
THE DUST PRIOR TO REMOVAL.

Emission Source/Control: 4DC11 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 04PUG - Process

Item 61.32(From Mod 12):

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

Emission Unit: 0-43000
Process: CLD Source Classification Code: 3-05-006-16
Process Description: Clinker cooler discharge (new).

Emission Source/Control: DC026 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC028 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC029 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC030 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4CCDC - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CCYD - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CHED - Process

Emission Source/Control: 4CWHD - Process
Design Capacity: 367 tons per hour

Item 61.33(From Mod 12):

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

Emission Unit: 0-43000
Process: CS1 Source Classification Code: 3-05-006-16
Process Description: Clinker silo 1 handling and storage (new).

Emission Source/Control: DC033 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC038 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC039 - Control

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Control Type: FABRIC FILTER

Emission Source/Control: DC040 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC041 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC042 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC091 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC38A - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC39A - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC40A - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC41A - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC42A - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4CSIE - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CSIT - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CSR1 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R039 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R040 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R041 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R042 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R38A - Process
Design Capacity: 367 tons per hour



Emission Source/Control: 4R39A - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R40A - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R41A - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R42A - Process
Design Capacity: 367 tons per hour

Item 61.34(From Mod 12):

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

Emission Unit: 0-43000
Process: CS2 Source Classification Code: 3-05-006-16
Process Description: Clinker silo 2 handling and storage (new).

Emission Source/Control: DC034 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC043 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC044 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC045 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC046 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC047 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC43A - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC44A - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC45A - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC46A - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC47A - Control
Control Type: FABRIC FILTER



Emission Source/Control: 4CS2T - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CTES - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CTF1 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CTF2 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R043 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R044 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R045 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R046 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R047 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R43A - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R44A - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R45A - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R46A - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4R47A - Process
Design Capacity: 367 tons per hour

Item 61.35(From Mod 12):

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

Emission Unit: 0-43000
Process: CSE Source Classification Code: 3-05-006-16
Process Description: Clinker transfer to existing storage.

Emission Source/Control: DC087 - Control
Control Type: FABRIC FILTER



Emission Source/Control: 4CTES - Process
Design Capacity: 367 tons per hour

Item 61.36(From Mod 12):

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

Emission Unit: 0-43000
Process: CTF Source Classification Code: 3-05-006-16
Process Description: Clinker transfer to finish mills (new).

Emission Source/Control: DC050 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC051 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4CTF1 - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CTF2 - Process
Design Capacity: 367 tons per hour

Item 61.37(From Mod 12):

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

Emission Unit: 0-43000
Process: HTB Source Classification Code: 3-05-006-16
Process Description: Clinker hot bin and truck loadout (new).

Emission Source/Control: DC031 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC032 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4CHBN - Process
Design Capacity: 367 tons per hour

Emission Source/Control: 4CHBT - Process
Design Capacity: 367 tons per hour

Item 61.38(From Mod 12):

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

Emission Unit: 0-51000
Process: CM1 Source Classification Code: 3-05-007-17
Process Description:
GRINDING OF CLINKER TO PRODUCE FINISHED
PORTLAND CEMENT. THIS PROCESS IS LOCATED
IN THE MILL BUILDING.



Emission Source/Control: 5DC02 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 51MIL - Process

Item 61.39(From Mod 12):

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

Emission Unit: 0-51000
Process: FM1 Source Classification Code: 3-05-006-17
Process Description:
New dust collectors, including high efficiency separator,
for modified FM1.

Emission Source/Control: DC105 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC107 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5FM1D - Process

Emission Source/Control: 5FM1H - Process
Design Capacity: 99 tons per hour

Item 61.40(From Mod 12):

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

Emission Unit: 0-52000
Process: CM2 Source Classification Code: 3-05-007-17
Process Description:
GRINDING OF CLINKER TO PRODUCE FINISHED
PORTLAND CEMENT. THIS PROCESS IS LOCATED
IN THE MILL BUILDING.

Emission Source/Control: 5DC05 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 52MIL - Process

Item 61.41(From Mod 12):

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

Emission Unit: 0-52000
Process: FX2 Source Classification Code: 3-05-007-16
Process Description:
TRANSFER OF CLINKER TO CEMENT MILL 2 AND
THE TRANSFER OF FINISHED CEMENT THROUGH THE
CEMENT MILL 2 SYSTEM'S SEPARATOR, BUCKET
ELEVATOR, AIRSLIDES, CEMENT COOLER, AND THE
HOPPER ABOVE THE FK PUMP WHICH TRANSPORTS
IT TO THE CUSTOMER AND BUFFER STORAGE SILOS



. THE ENTIRE CEMENT MILL 2 SYSTEM IS
CONTAINED IN THE MILL BUILDING.

Emission Source/Control: 5DC04 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5DC06 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 52AUX - Process

Emission Source/Control: 52BE1 - Process

Emission Source/Control: 52FBH - Process

Emission Source/Control: 52MHC - Process

Emission Source/Control: 52SEP - Process

Item 61.42(From Mod 12):

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

Emission Unit: 0-53000
Process: CM3 Source Classification Code: 3-05-007-17
Process Description:
GRINDING OF CLINKER TO PRODUCE FINISHED
PORTLAND CEMENT. THIS PROCESS IS LOCATED
IN THE MILL BUILDING.

Emission Source/Control: 5DC09 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 53MIL - Process

Item 61.43(From Mod 12):

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

Emission Unit: 0-53000
Process: FM3 Source Classification Code: 3-05-006-17
Process Description:
New dust collectors including HES, for modified FM3.

Emission Source/Control: DC079 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC106 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5FM3D - Process

Emission Source/Control: 5FM3H - Process
Design Capacity: 99 tons per hour



Item 61.44(From Mod 12):

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

Emission Unit: 0-54000
Process: CM4 Source Classification Code: 3-05-007-17
Process Description:
GRINDING OF CLINKER TO PRODUCE FINISHED
PORTLAND CEMENT. THIS PROCESS IS LOCATED
IN THE MILL BUILDING.

Emission Source/Control: 5DC12 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 54MIL - Process

Item 61.45(From Mod 12):

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

Emission Unit: 0-54000
Process: FX4 Source Classification Code: 3-05-007-16
Process Description:
TRANSFER OF CLINKER TO CEMENT MILL 4 AND
THE TRANSFER OF FINISHED CEMENT THROUGH THE
CEMENT MILL 4 SYSTEM'S BUCKET ELEVATOR,
AIRSLIDES, CEMENT COOLER, AND THE HOPPER
ABOVE THE FK PUMP WHICH TRANSPORTS IT TO
THE CUSTOMER AND BUFFER STORAGE SILOS. THE
ENTIRE CEMENT MILL 4 SYSTEM IS CONTAINED
IN THE MILL BUILDING.

Emission Source/Control: 5DC11 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 54AUX - Process

Emission Source/Control: 54BE1 - Process

Emission Source/Control: 54FBC - Process

Emission Source/Control: 54MHC - Process

Item 61.46(From Mod 12):

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

Emission Unit: 0-54000
Process: FX5 Source Classification Code: 3-05-007-29
Process Description:
SEPARATION BY PARTICLE SIZE OF FINISHED
CEMENT FROM CEMENT MILL 4 BY TWO SEPARATORS
- CM4 SEPARATOR 1 (SOUTH) AND CM4 SEPARATOR
2 (NORTH). THIS PROCESS ALSO INCLUDES THE



AIRSLIDES WHICH CONVEY THE CEMENT TO THE SEPARATORS AS THEY ARE CONTROLLED BY THE SAME DUST COLLECTORS THAT CONTROL PARTICULATE EMISSIONS FOR THE SEPARATORS. THIS PROCESS IS LOCATED IN THE MILL BUILDING.

Emission Source/Control: 5DC13 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5DC14 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 54SP1 - Process

Emission Source/Control: 54SP2 - Process

Item 61.47(From Mod 12):

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

Emission Unit: 0-55000
Process: FAD Source Classification Code: 3-05-006-17
Process Description: Transfer of FM5 additives (new).

Emission Source/Control: DC035 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC036 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5FAD1 - Process
Design Capacity: 270 tons per hour

Emission Source/Control: 5FAD2 - Process
Design Capacity: 270 tons per hour

Item 61.48(From Mod 12):

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

Emission Unit: 0-55000
Process: FBF Source Classification Code: 3-05-006-17
Process Description: New FM5 feed bins.

Emission Source/Control: DC056 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC057 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC095 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC096 - Control

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Control Type: FABRIC FILTER

Emission Source/Control: DC097 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC098 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC099 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5ADB1 - Process
Design Capacity: 270 tons per hour

Emission Source/Control: 5ADB2 - Process
Design Capacity: 270 tons per hour

Emission Source/Control: 5ADBR - Process
Design Capacity: 270 tons per hour

Emission Source/Control: 5ADFM - Process
Design Capacity: 270 tons per hour

Emission Source/Control: 5CKBE - Process

Emission Source/Control: 5CKBR - Process

Emission Source/Control: 5CKSF - Process
Design Capacity: 270 tons per hour

Item 61.49(From Mod 12):

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

Emission Unit: 0-55000
Process: FBH Source Classification Code: 3-05-006-17
Process Description: New FM5 discharge.

Emission Source/Control: DC059 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC092 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5FCKD - Process
Design Capacity: 270 tons per hour

Emission Source/Control: 5FMST - Process
Design Capacity: 270 tons per hour

Item 61.50(From Mod 12):

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



Emission Unit: 0-55000
Process: FM5 Source Classification Code: 3-05-006-17
Process Description: New FM5 feed and reject bin/bin reclaim.

Emission Source/Control: DC058 - Control
Control Type: FABRIC FILTER

Emission Source/Control: DC060 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5FM5F - Process
Design Capacity: 270 tons per hour

Emission Source/Control: 5FMRJ - Process
Design Capacity: 270 tons per hour

Item 61.51(From Mod 12):

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

Emission Unit: 0-71000
Process: BAG Source Classification Code: 3-05-007-19
Process Description:

FILLING OF BAGS OF CEMENT VIA TWO BAGGING MACHINES DESIGNATED AS EAST AND WEST. THE WEST BAGGING MACHINE SYSTEM (EMISSION SOURCE 71WBM) CONSISTS OF A BUCKET ELEVATOR (#630202); A ROTEX SCREEN (#630106); THE SURGE BIN OVER THE BAGGING MACHINE; THE BAGGING MACHINE ITSELF (#630102). THE EAST BAGGING MACHINE SYSTEM (EMISSION SOURCE 71EBM) CONSISTS OF A BUCKET ELEVATOR (#630201); A ROTEX SCREEN (#630105); THE SURGE BIN OVER THE BAGGIN MACHINE; THE BAGGING MACHINE (#630101). THIS ENTIRE PROCESS IS LOCATED IN THE PACKHOUSE.

Emission Source/Control: 7DC04 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7DC05 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 71EBM - Process

Emission Source/Control: 71WBM - Process

Item 61.52(From Mod 12):

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

Emission Unit: 0-71000
Process: CL1 Source Classification Code: 3-05-007-19
Process Description:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



LOADOUT OF FINISHED CEMENT FROM CUSTOMER SILOS TO TRUCKS VIA THE NORTH LOADING SPOUT. THIS INCLUDES TRANSPORT OF FINISHED PRODUCT TO THE LOADING SPOUT VIA THE NORTH REVERSIBLE CONVEYOR. THE SPOUT AND CONVEYOR ARE LOCATED IN THE CUSTOMER SILO AREA OF THE FACILITY.

Emission Source/Control: 61CS4 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7DC01 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 71NRC - Process

Emission Source/Control: 71NTL - Process

Item 61.53(From Mod 12):

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

Emission Unit: 0-71000

Process: CL2

Source Classification Code: 3-05-007-19

Process Description:

LOADOUT OF FINISHED CEMENT FROM CUSTOMER SILOS TO TRUCKS VIA THE SOUTH LOADING SPOUT. THIS INCLUDES TRANSPORT OF FINISHED PRODUCT TO THE LOADING SPOUT VIA THE SOUTH REVERSIBLE CONVEYOR AND SCREW CONVEYOR TO THE SPOUT. THE SPOUT AND CONVEYORS ARE LOCATED IN THE CUSTOMER SILO AREA OF THE FACILITY.

Emission Source/Control: 7DC02 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 71SRC - Process

Emission Source/Control: 71STL - Process

Item 61.54(From Mod 12):

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

Emission Unit: 0-71000

Process: CL3

Source Classification Code: 3-05-007-19

Process Description:

LOADOUT OF FINISHED CEMENT FROM CUSTOMER SILOS TO RAILCARS VIA TWO LOADING SPOUTS. THIS INCLUDES TRANSPORT OF FINISHED PRODUCT TO THE LOADOUT SPOUTS VIA THE NORTH AND SOUTH REVERSIBLE CONVEYORS. THE SPOUTS AND CONVEYORS ARE LOCATED IN THE CUSTOMER SILO



AREA OF THE FACILITY.

Emission Source/Control: 7DC03 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 71NRC - Process

Emission Source/Control: 71RRL - Process

Emission Source/Control: 71SRC - Process

Item 61.55(From Mod 12):

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

Emission Unit: 0-71000
Process: PBS Source Classification Code: 3-05-007-99

Process Description:
SHREDDING OF REJECT BAGS FROM THE BAG
MACHINE SYSTEMS. PARTICULATE EMISSIONS
FROM THIS PROCESS ARE CONTROLLED BY A
BAGHOUSE.

Emission Source/Control: 7DC06 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 71BSH - Process

Item 61.56(From Mod 12):

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

Emission Unit: 0-71000
Process: PVC Source Classification Code: 3-05-007-99

Process Description:
VACUUM FOR CLEANUP OF PACKHOUSE AREA.
PARTICULATE EMISSIONS FROM THE VACUUM ARE
CONTROLLED BY A SMALL BAGHOUSE.

Emission Source/Control: 7DC07 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 71PVC - Process

Item 61.57(From Mod 12):

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

Emission Unit: 0-71100
Process: CMT Source Classification Code: 3-05-006-18

Process Description:
CEMENT TRANSFER - CEMENT IS TRANSFERRED
FROM FINISH MILL 5 BY CONVEYOR, ELEVATOR,
AND AIR SLIDES TO THE EXISTING CEMENT
STORAGE SILOS.



Emission Source/Control: DC078 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7CEMT - Process
Design Capacity: 270 tons per hour

Item 61.58(From Mod 12):

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

Emission Unit: 0-72000
Process: CMX Source Classification Code: 3-05-007-16
Process Description:

TRANSFER OF FINISHED CEMENT BETWEEN THE BUFFER AND CUSTOMER SILOS AND FROM THE SILOS TO THE WHARF AREA FOR BARGE SHIPMENT. THE TRANSFER BETWEEN THE BUFFER AND CUSTOMER SILOS (EMISSION SOURCE 72XFR) CONSISTS OF AN AIRSLIDE, THE NORTHWEST REVERSIBLE CONVEYOR AND TRANSFER INTO A HOPPER OVER A CEMENT PUMP (#620501). PARTICULATE EMISSIONS FROM ALL TRANSFER POINTS ARE CONTROLLED BY BAGHOUSES. THE TRANSFER BETWEEN THE BUFFER AND CUSTOMER SILOS IS LOCATED AT THE NORTH END OF THE BUFFER SILOS, AND THE LOAD POINT FOR BELT 8A IS AT THE SOUTH END OF THE BUFFER SILOS. THE TRANSFER POINTS BETWEEN BELTS 8A AND 8B AND BETWEEN BELTS 8B AND 9 OCCUR AT TRANSFER HOUSES BETWEEN THE BELTS GOING DOWN TO THE WHARF AREA.

Emission Source/Control: 7DC08 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7DC09 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7DC10 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 7DC11 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 728AB - Process

Emission Source/Control: 728B9 - Process

Emission Source/Control: 72B8A - Process



Emission Source/Control: 72XFR - Process

Item 61.59(From Mod 12):

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

Emission Unit: 0-72000

Process: CX5

Source Classification Code: 3-05-007-16

Process Description:

Transfer of cement into the buffer silos. This process is vented by a total of 6 dust collectors. Each dust collector exhaust combines with the adjacent collector to make a total of 3 emission points.

Emission Source/Control: 6DC06 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC07 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC08 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC09 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC10 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC11 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 62BS1 - Process

Emission Source/Control: 62BS3 - Process

Emission Source/Control: 62BS5 - Process

Item 61.60(From Mod 12):

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

Emission Unit: 0-73000

Process: KCM

Source Classification Code: 3-05-007-16

Process Description:

TRANSFER OF K-CEMENT SHIPPED IN BY RAILCARS AND STORED IN TWO DEDICATED BERTHA TANKS.

Emission Source/Control: 7DC12 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 73KCM - Process



Item 61.61(From Mod 12):

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

Emission Unit: 0-90000
Process: PCR Source Classification Code: 3-05-007-09
Process Description:
PRIMARY CRUSHING OF CALCIUM SOURCES (E.G.,
LIMESTONE) USED IN CEMENT MANUFACTURE.

Emission Source/Control: 09PCD - Process

Item 61.62(From Mod 12):

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

Emission Unit: 0-91000
Process: ROD Source Classification Code: 3-05-025-04
Process Description: Fugitive particulate emissions.

Emission Source/Control: TRCKS - Process

Item 61.63(From Mod 12):

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

Emission Unit: 1-00000
Process: CMB Source Classification Code: 3-05-007-16
Process Description:
TRANSFER OF FINISHED CEMENT FROM BELT 9 TO
BARGES LOCATED IN THE WHARF AREA.

Emission Source/Control: 10DC1 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 109BG - Process

Item 61.64(From Mod 0):

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

Emission Unit: 0-20000
Process: FAX Source Classification Code: 3-05-007-12
Process Description:
TRANSFER OF FLY ASH TO FLY ASH STORAGE
SILO FROM TRUCKS AND FROM SILO TO FLY ASH
ALLEVIATOR.

Emission Source/Control: 2DC03 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2DC04 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 2FAST - Process



Emission Source/Control: 2FATR - Process

Item 61.65(From Mod 0):

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

Emission Unit: 0-20000

Process: RX1

Source Classification Code: 3-05-007-12

Process Description:

TRANSFER OF RAW MATERIALS THROUGH THE SECONDARY CRUSHER AND ONTO CONVEYOR #7. CALCIUM SOURCES (LIMESTONE), SOLID FUELS, AND IRON SOURCES ARE TRANSFERRED THROUGH THE SECONDARY CRUSHER AND ONLY CONVEYOR #7.

Emission Source/Control: 2DC01 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 2C7ON - Process

Emission Source/Control: 2CRSH - Process

Emission Source/Control: 2CRWF - Process

Item 61.66(From Mod 0):

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

Emission Unit: 0-41000

Process: CC1

Source Classification Code: 3-05-007-14

Process Description:

CLINKER FROM KILN 1 IS AIR-COOLED IN CLINKER COOLER 1. PARTICULATE EMISSIONS ARE CONTROLLED BY A FABRIC FILTER DUST COLLECTOR. THE CLINKER COOLER IS LOCATED IN THE KILN DISCHARGE END BUILDING.

Emission Source/Control: 4DC01 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 4CLC1 - Process

Item 61.67(From Mod 0):

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

Emission Unit: 0-41000

Process: CC2

Source Classification Code: 3-05-007-14

Process Description:

CLINKER FROM KILN 2 IS AIR-COOLED IN CLINKER COOLER 2. PARTICULATE EMISSIONS ARE CONTROLLED BY A FABRIC FILTER DUST COLLECTOR. THE CLINKER COOLER IS LOCATED



IN THE KILN DISCHARGE END BUILDING.

Emission Source/Control: 4DC02 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 4CLC2 - Process

Item 61.68(From Mod 0):

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

Emission Unit: 0-51000

Process: FX1

Source Classification Code: 3-05-007-16

Process Description:

TRANSFER OF CLINKER TO CEMENT MILL 1 AND
THE TRANSFER OF FINISHED CEMENT THROUGH THE
CEMENT MILL 1 SYSTEM'S SEPARATOR, BUCKET
ELEVATOR, AIRSLIDES, CEMENT COOLER, AND THE
HOPPER ABOVE THE FK PUMP WHICH TRANSPORTS
IT TO THE CUSTOMER AND BUFFER STORAGE SILOS
. THE ENTIRE CEMENT MILL 1 SYSTEM IS
CONTAINED IN THE MILL BUILDING.

Emission Source/Control: 5DC01 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5DC03 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 51AUX - Process

Emission Source/Control: 51BE1 - Process

Emission Source/Control: 51FBC - Process

Emission Source/Control: 51MHC - Process

Emission Source/Control: 51SEP - Process

Item 61.69(From Mod 0):

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

Emission Unit: 0-53000

Process: FX3

Source Classification Code: 3-05-007-16

Process Description:

TRANSFER OF CLINKER TO CEMENT MILL 3 AND
THE TRANSFER OF FINISHED CEMENT THROUGH THE
CEMENT MILL 3 SYSTEM'S SEPARATOR, BUCKET
ELEVATOR, AIRSLIDES, CEMENT COOLER, AND THE
HOPPER ABOVE THE FK PUMP WHICH TRANSPORTS
IT TO THE CUSTOMER AND BUFFER STORAGE SILOS
. THE ENTIRE CEMENT MILL 3 SYSTEM IS
CONTAINED IN THE MILL BUILDING

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Source/Control: 5DC08 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 5DC10 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 53AS1 - Process

Emission Source/Control: 53AUX - Process

Emission Source/Control: 53BE1 - Process

Emission Source/Control: 53BIN - Process

Emission Source/Control: 53FBC - Process

Emission Source/Control: 53MHC - Process

Emission Source/Control: 53SEP - Process

Item 61.70(From Mod 0):

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

Emission Unit: 0-71000

Process: CX4

Source Classification Code: 3-05-007-19

Process Description:

Transfer of cement into the customer silos. This process is vented by a total of 5 dust collectors located on the top of the customer silos.

Emission Source/Control: 6DC01 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6DC02 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6DC03 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6DC04 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 6DC05 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 61CS1 - Process

Emission Source/Control: 61CS2 - Process

Emission Source/Control: 61CS3 - Process



Emission Source/Control: 61CS5 - Process

Item 61.71(From Mod 0):

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

Emission Unit: 0-72000

Process: BS1

Source Classification Code: 3-05-007-19

Process Description:

Transfer of cement into the buffer silos. There are a total of 6 silos, each with a dust collector that vent to the atmosphere through a total of three emission points.

Emission Source/Control: 6DC06 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC07 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC08 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC09 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC10 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 6DC11 - Control

Control Type: FABRIC FILTER

Emission Source/Control: 62BS1 - Process

Emission Source/Control: 62BS3 - Process

Emission Source/Control: 62BS5 - Process

Condition 12-47: Emission Unit Permissible Emissions
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 12-47.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited

shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: 0-20000

CAS No: 0NY075000 (From Mod 12)

Name: PARTICULATES

PTE(s): 21,530 pounds per year

2.46 pounds per hour



CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 15,750 pounds per year
1.8 pounds per hour

Emission Unit: 0-42000

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 25,850 pounds per year
13.5 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 20,280 pounds per year
11.2 pounds per hour

Emission Unit: 0-51000

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 12 pounds per hour
104,800 pounds per year

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 88,030 pounds per year
10.1 pounds per hour

Emission Unit: 0-53000

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 104,800 pounds per year
12 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 88,030 pounds per year
10.1 pounds per hour

Emission Unit: 0-71000

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 29,000 pounds per year
5.71 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 24,360 pounds per year



4.8 pounds per hour

Emission Unit: 0-72000

CAS No: 0NY075000 (From Mod 12)

Name: PARTICULATES

PTE(s): 4.51 pounds per hour

32,630 pounds per year

CAS No: 0NY075005 (From Mod 12)

Name: PM-10

PTE(s): 3.79 pounds per hour

27,410 pounds per year

Emission Unit: 0-90000

CAS No: 0NY075000 (From Mod 12)

Name: PARTICULATES

PTE(s): 61.3 pounds per hour

534,200 pounds per year

CAS No: 0NY075005 (From Mod 12)

Name: PM-10

PTE(s): 19.4 pounds per hour

167,900 pounds per year

Emission Unit: 1-00000

CAS No: 0NY075000 (From Mod 12)

Name: PARTICULATES

PTE(s): 2,741 pounds per year

0.88 pounds per hour

CAS No: 0NY075005 (From Mod 12)

Name: PM-10

PTE(s): 2,240 pounds per year

0.73 pounds per hour

Emission Unit: 0-21000

CAS No: 0NY075000 (From Mod 12)

Name: PARTICULATES

PTE(s): 17.4 pounds per hour

152,700 pounds per year

CAS No: 0NY075005 (From Mod 12)

Name: PM-10

PTE(s): 128,100 pounds per year

14.6 pounds per hour

Emission Unit: 0-22000

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 25,910 pounds per year
2.96 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 21,230 pounds per year
2.42 pounds per hour

Emission Unit: 0-33000

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 59,750 pounds per year
6.82 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 50,190 pounds per year
5.72 pounds per hour

Emission Unit: 0-41100

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 168,600 pounds per year
22.1 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 168,600 pounds per year
22.1 pounds per hour

CAS No: 0NY998000 (From Mod 12)
Name: VOC
PTE(s): 66.54 pounds per hour
508,900 pounds per year

Emission Unit: 0-41200

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 16,610 pounds per year
1.9 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 13,940 pounds per year
1.59 pounds per hour

Emission Unit: 0-43000



CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 166,600 pounds per year
19 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 140,000 pounds per year
16 pounds per hour

Emission Unit: 0-55000

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 291,700 pounds per year
33.3 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 245,000 pounds per year
28 pounds per hour

CAS No: 0NY998000 (From Mod 12)
Name: VOC
PTE(s): 13 pounds per year
0.03 pounds per hour

Emission Unit: 0-71100

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 6,621 pounds per year
0.76 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 5,562 pounds per year
0.63 pounds per hour

Emission Unit: 0-91000

CAS No: 0NY075000 (From Mod 12)
Name: PARTICULATES
PTE(s): 170,700 pounds per year
19.5 pounds per hour

CAS No: 0NY075005 (From Mod 12)
Name: PM-10
PTE(s): 47,890 pounds per year
5.47 pounds per hour

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Condition 12-48: Process Permissible Emissions

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 0-48.1:

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

Emission Unit:	0-41000	Process:	CC1
	CAS No: 0NY075-00-0 (From Mod 0)		
	Name: PARTICULATES		
	PTE(s): 0.05 grains per dscf		47 pounds per hour
			412,971 pounds per year
Emission Unit:	0-41000	Process:	CC2
	CAS No: 0NY075-00-0 (From Mod 0)		
	Name: PARTICULATES		
	PTE(s): 0.05 grains per dscf		47 pounds per hour
			412,971 pounds per year
Emission Unit:	0-71000	Process:	CX4
	CAS No: 0NY075-00-0 (From Mod 0)		
	Name: PARTICULATES		
	PTE(s): 0.01 grains per dscf		0.942 pounds per hour
			8,251.92 pounds per year
Emission Unit:	0-72000	Process:	BS1
	CAS No: 0NY075-00-0 (From Mod 0)		
	Name: PARTICULATES		
	PTE(s): 0.02 grains per dscf		5.6 pounds per hour
			49,056 pounds per year

Condition 12-49: Emission Unit Permissible Emissions

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 12-49.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-41100

CAS No: 000630080 (From Mod 12)

Name: CARBON MONOXIDE

PTE(s): 918.6 pounds per hour

7,025,000 pounds per year

CAS No: 007446095 (From Mod 12)

Name: SULFUR DIOXIDE

PTE(s): 147 pounds per hour

1,124,000 pounds per year

CAS No: 0NY210000 (From Mod 12)

Name: OXIDES OF NITROGEN

PTE(s): 4,215,000 pounds per year

551.2 pounds per hour

Emission Unit: 0-55000

CAS No: 000630080 (From Mod 12)

Name: CARBON MONOXIDE

PTE(s): 326 pounds per year

0.81 pounds per hour

CAS No: 0NY210000 (From Mod 12)

Name: OXIDES OF NITROGEN

PTE(s): 1,304 pounds per year

3.26 pounds per hour

Condition 62: Reporting Requirements
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:40CFR 63.1354, Subpart LLL

Item 62.1:
(this space used for Emission Unit)

Item 62.2:
The affected facility shall comply with the reporting requirements specified in 40 CFR 63.1354.

Condition 63: Part 63 General Provisions requirements
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:40CFR 63.1342, Subpart LLL

Item 63.1:
This Condition applies to Emission Unit: 0-41000

Item 63.2:
Owners or operators of affected sources subject to 40CFR63 Subpart LLL must also comply with the requirements of Subpart A of Part 63, according to the applicability of Subpart A to such sources, as identified in Table 1 of Subpart LLL. Subpart A is the General Provisions for

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



the NESHAP for Source Categories regulations. The General Provisions contain requirements for performance testing, monitoring, notification, recordkeeping, reporting, and control devices that may apply to the source.

Condition 12-50: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement: 40CFR 63.1346, Subpart LLL

Item 12-50.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000

Process: K12

Emission Source: 4KLN1

Regulated Contaminant(s):

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

Item 12-50.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of a kiln subject to a dioxin/furan (D/F) emission limitation under §63.1343 must operate the kiln such that the temperature of the gas at the inlet to the kiln particulate matter control device (PMCD) and alkali bypass PMCD, if applicable, does not exceed the applicable temperature limit specified during the performance testing done in accordance with the provisions in §63.1349(b)(3)(iv).

The owner/operator of the in-line kiln/raw mill must operate such that the applicable temperature limit established during the performance test, with or without the raw mill operating, is not exceeded, except during periods of startup and shutdown, by more than 10%.

If the in-line kiln/raw mill is equipped with an alkali bypass, the applicable temperature limit for the alkali bypass specified above and established during the performance test, with or without the raw mill operating, is not exceeded, except during periods of startup and shutdown when the temperature limit may be exceeded by no more than 10%.

Continuous compliance shall be demonstrated using the provisions in §63.1348(b)(4) which requires a continuous temperature monitoring device that meets the requirements of §63.1350(g).

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Manufacturer Name/Model Number: KILN 1
Parameter Monitored: TEMPERATURE
Upper Permit Limit: 508 degrees Fahrenheit
Reference Test Method: EPA Method 23 of appendix A-7 of part 60
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-51: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement: 40CFR 63.1346, Subpart LLL

Item 12-51.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000

Process: K12

Emission Source: 4KLN2

Regulated Contaminant(s):

CAS No: 001746-01-6

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

Item 12-51.2:

Compliance Certification shall include the following monitoring:

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

Monitoring Description:

The owner or operator of a kiln subject to a dioxin/furan (D/F) emission limitation under §63.1343 must operate the kiln such that the temperature of the gas at the inlet to the kiln particulate matter control device (PMCD) and alkali bypass PMCD, if applicable, does not exceed the applicable temperature limit specified during the performance testing done in accordance with the provisions in §63.1349(b)(3)(iv).

The owner/operator of the in-line kiln/raw mill must operate such that the applicable temperature limit established during the performance test, with or without the raw mill operating, is not exceeded, except during periods of startup and shutdown, by more than 10%.

If the in-line kiln/raw mill is equipped with an alkali bypass, the applicable temperature limit for the alkali bypass specified above and established during the performance test, with or without the raw mill operating, is not exceeded, except during periods of startup and shutdown when the temperature limit may be exceeded by no

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



more than 10%.

Continuous compliance shall be demonstrated using the provisions in §63.1348(b)(4) which requires a continuous temperature monitoring device that meets the requirements of §63.1350(g).

Manufacturer Name/Model Number: KILN 2
Parameter Monitored: TEMPERATURE
Upper Permit Limit: 533 degrees Fahrenheit
Reference Test Method: EPA Method 23 of appendix A-7 of part 60
Monitoring Frequency: CONTINUOUS
Averaging Method: 3-HOUR ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 70: Capping Monitoring Condition
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 70.1:

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

40 CFR 52.21

Item 70.2:

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

Item 70.3:

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

Item 70.4:

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

Item 70.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement,

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 70.6:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000 Emission Point: 43101
Process: K12

Regulated Contaminant(s):
CAS No: 000630-08-0 CARBON MONOXIDE

Item 70.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

The CEMS data during the first 10 years after firing of TDF (beginning 180 days after first firing of TDF as required by 40 CFR 52 A 21(r)(6)(iii)) shall be used to determine if there is a major modification (see definition in 40 CFR 52 A 21 (b)(2)). The net emission increase (see definition in 40 CFR 52 A 21 (b)(3)) resulting from the firing of TDF shall remain less than the upper limit shown below and therefore shall not be significant, thus there shall not be a major modification. Reporting shall be annually and shall comply with 40 CFR 52 A 21(r)(6)(v).

Manufacturer Name/Model Number: not available

Upper Permit Limit: 1081 tons per year

Reference Test Method: 40 CFR 60, B, PS-4

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 71: Capping Monitoring Condition
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:6 NYCRR 201-7.1

Item 71.1:

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

40 CFR 52.21

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Item 71.2:

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

Item 71.3:

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

Item 71.4:

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

Item 71.5:

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

Item 71.6:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000	Emission Point: 43101
Process: K12	
Regulated Contaminant(s):	
CAS No: 0NY210-00-0	OXIDES OF NITROGEN

Item 71.7:

Compliance Certification shall include the following monitoring:

Capping: Yes
Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:
Lafarge must comply with Federal Consent Decree 3:10-cv-00044-JPG-CJP. This condition incorporates the 3,750 ton NOx cap from Paragraph 17 and the continuous emission monitoring requirements from Paragraphs 45-48 of the Decree.

Lafarge must achieve and maintain compliance with a facility wide twelve month rolling tonnage limit of 3,750 tons of nitrogen oxides by October 1, 2012. A nitrogen oxides continuous emissions monitor installed on the kiln stack must measure emissions at all times one or both kilns are in operation. When the monitor is not available due to calibration or malfunction, methods contained in 40

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



CFR 75 Subpart D must be used to generate substitute nitrogen oxides emission data.

Manufacturer Name/Model Number: not available
Upper Permit Limit: 3750 tons per year
Reference Test Method: 40 CFR 60, B, PS-2
Monitoring Frequency: CONTINUOUS
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 72: Capping Monitoring Condition
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement: 6 NYCRR 201-7.1

Item 72.1:

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

40 CFR 52.21

Item 72.2:

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

Item 72.3:

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

Item 72.4:

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

Item 72.5:

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

Item 72.6:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 72.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Lafarge must comply with Federal Consent Decree 3:10-cv-00044-JPG-CJP. This condition incorporates the 11,500 ton SO₂ cap from Paragraph 55 and the continuous emission monitoring requirements from Paragraphs 78-81 of the Decree.

Lafarge must achieve and maintain compliance with a facility wide twelve month rolling tonnage limit of 11,500 tons of sulfur dioxide by January 1, 2011. A sulfur dioxide continuous emissions monitor installed on the kiln stack must measure emissions at all times one or both kilns are in operation. When the monitor is not available due to calibration or malfunction, methods contained in 40 CFR 75 Subpart D must be used to generate substitute sulfur dioxide emission data.

Manufacturer Name/Model Number: not available

Upper Permit Limit: 11500 tons per year

Reference Test Method: 40 CFR 60, B, PS-2

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 75: Compliance Certification

Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:40CFR 52.21(r), Subpart A

Item 75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Item 75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Records shall be maintained of any periods when the CEMS is inoperative. A CEMS performance report shall be submitted semi-annually (the format of 40 CFR 60 A 7(d) will be used). A file shall be maintained of CEMS measurements, calibrations, audits, adjustments and maintenance.

A CEMS Design and Installation Plan shall be submitted concurrently with the certification test protocol. The existing CEMS Quality Assurance (QA) Plan shall be updated with carbon monoxide monitor QA information and submitted to the Department within 60 days of submittal of the CEM certification report. Air Guide 34, dated 04/01/95, shall be used in preparing these plans.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 77: Compliance Certification

Effective between the dates of 09/13/2010 and 09/12/2015

Applicable Federal Requirement:40CFR 63.10(e)(3)(i), Subpart A

Item 77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000

Emission Point: 43101

Process: K12

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

A monthly kiln stack opacity excess emissions report shall be submitted. This report does not include the CEMS performance report which is a separate report submitted quarterly. The report shall include the items referenced in 40 CFR 63 A 10 (e)(3)(v). These items are: 40 CFR 63 A 10 (c)(7), (c)(8), (c)(10), (c)(11), (c)(13). These items do not include the CEMS items.



(c)(7): The specific ID (ie, the date and time of commencement and completion) of each period of excess opacity that occurs during start ups, shutdowns, and malfunctions.

(c)(8): The specific ID (ie, the date and time of commencement and completion) of each period of excess opacity that occurs during periods other than start ups, shutdowns, and malfunctions.

(c)(10): The nature and cause of any malfunction (if known).

(c)(11): The corrective action taken or preventive measures adopted.

(c)(13): The total process operating time during the month.

Monitoring Frequency: MONTHLY

Reporting Requirements: MONTHLY (CALENDAR)

Reports due 20 days after the reporting period.

The initial report is due 10/20/2010.

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

Condition 12-52: Compliance Certification

Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-52.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000

Emission Point: 43101

Process: K12

Regulated Contaminant(s):

CAS No: 007439-97-6

MERCURY

Item 12-52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing kiln after 9/8/2013 under normal conditions, then the kiln shall meet an emission limit for mercury of 55 lb/million tons of clinker produced.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(5) which requires the facility to install, operate, calibrate, and maintain a mercury CEMS in accordance with the provisions listed in §63.1350(k). The clinker production rate must be calculated using the procedures listed in §63.1350(d). The initial compliance determination will be based on the

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



first 30 operating days of production with the mercury CEMS installed.

Parameter Monitored: MERCURY
Upper Permit Limit: .000055 pounds per ton
Reference Test Method: Perf. Spec. 12A or 12B of 40CFR60, App. B
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 0 days after the reporting period.
The initial report is due 12/31/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 12-53: Compliance Certification
Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-53.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000 Emission Point: 43101
Process: K12

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

Item 12-53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing kiln after 9/8/2013 under normal conditions, then the kiln shall meet an emission limit for particulate matter (PM) of 0.04 lb/ton clinker produced.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(1) which requires the facility to install, operate, calibrate, and maintain a PM CEMS in accordance with the provisions listed in §63.1350(b). The clinker production rate shall be calculated using the provisions listed in §63.1350(d). The initial compliance demonstration will be based on the first 30 operating days of production with the PM CEMS installed.

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.04 pounds per ton
Reference Test Method: Perf. Spec. 11 of 40 CFR 60, appendix B
Monitoring Frequency: CONTINUOUS

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-54: Compliance Certification
Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-54.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000
Process: K12

Emission Point: 43101

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

Item 12-54.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing kiln after 9/8/2013, then the kiln shall meet an emission limit for total hydrocarbons (THC) of 24 ppmvd during normal operation.

The facility shall initially demonstrate compliance with this limit by using the performance test methods and procedures in §63.1349(b)(4)(i). The average THC concentration obtained during the first 30 operating days must be used to demonstrate compliance.

The facility shall then install, calibrate, operate, and maintain a THC continuous emission monitor (CEM) in accordance with the provisions in §63.1350(i) in order to continuously demonstrate compliance with the THC emission limit. The THC concentration will be calculated on a 30-day rolling average.

Any source subject to the 24 ppmvd limit for THC may elect to meet an alternative limit of 9 ppmvd for total organic HAP. If the source demonstrates compliance with the 9 ppmvd limit for total organic HAP under the requirements of §63.1349, then the source's THC limit will be adjusted to equal the average THC concentration measured during the performance test for organic HAP.

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Upper Permit Limit: 24 parts per million by volume (dry,
corrected to 7% O₂)
Reference Test Method: Perf. Spec. 8 of 40 CFR 60 appendix B
Monitoring Frequency: CONTINUOUS
Averaging Method: 30-DAY ROLLING AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-55: Compliance Certification
Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-55.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000 Emission Point: 43101
Process: K12

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 12-55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing kiln after 9/8/2013,
then the kiln shall meet an emission limit for
hydrochloric acid (HCl) of 3 ppmvd corrected to 7% oxygen.
This limit shall be met during normal operations.

The facility shall demonstrate compliance with this limit
initially according to the provisions listed in
§63.1348(a)(6) which requires the facility to conduct a
performance test according to the provisions in
§63.1349(b)(6)(ii). Continuous compliance shall be
demonstrated according to the provisions in §63.1348(b)(8)
which requires that continuous compliance is demonstrated
according to a 30-day rolling average of HCl as measured
by a continuous emissions monitor as required in
§63.1350(l)(1).

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 3 parts per million by volume (dry,
corrected to 7% O₂)

Reference Test Method: Perf. Spec. 15 of 40CFR60 App. B

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-56: Compliance Certification
Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-56.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000 Emission Point: 43101
Process: K12

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

Item 12-56.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing kiln after 9/8/2013, then during periods of startup and shutdown, the kiln shall meet an emission limit for mercury of 10 micrograms per dry standard cubic meter (ug/dscm).

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

Continuous compliance shall be demonstrated using the provisions under §63.1348(b)(7) which states that the standard must be based on a 7 day rolling average.

Parameter Monitored: MERCURY

Upper Permit Limit: 10 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: Perf. Spec. 12A or 12B of 40CFR60, App. B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Condition 12-57: Compliance Certification

Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-57.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000

Emission Point: 43101

Process: K12

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing kiln after 9/8/2013, then during periods of startup and shutdown, the kiln shall meet an emission limit for particulate matter (PM) of 0.004 grains/dry standard cubic foot.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(1) which requires the facility to install, operate, calibrate, and maintain a PM CEMS in accordance with the provisions listed in §63.1350(b). The initial compliance demonstration will be based on the first 30 operating days of production with the PM CEMS installed.

Continuous compliance shall be demonstrated using the provisions under §63.1348(b)(2) which states that the standard must be based on a 7 day rolling average.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.004 grains per dscf

Reference Test Method: Perf. Spec. 11 of 40 CFR 60, appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-58: Compliance Certification

Effective between the dates of 09/08/2013 and 09/12/2015

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Item 12-58.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Regulated Contaminant(s):

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

Item 12-58.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing kiln after 9/8/2013, then the kiln shall meet an emission limit for total hydrocarbons (THC) of 24 ppmvd during periods of startup and shutdown.

The facility shall initially demonstrate compliance with this limit by using the performance test methods and procedures in §63.1349(b)(4)(i). The average THC concentration obtained during the first 30 operating days must be used to demonstrate compliance.

The facility shall then install, calibrate, operate, and maintain a THC continuous emission monitor (CEM) in accordance with the provisions in §63.1350(i) in order to continuously demonstrate compliance with the total organic HAP emission limit. The THC concentration will be calculated on a 7-day rolling average.

Any source subject to the 24 ppmvd limit for THC may elect to meet an alternative limit of 9 ppmvd for total organic HAP. If the source demonstrates compliance with the 9 ppmvd limit for total organic HAP under the requirements of §63.1349, then the source's THC limit will be adjusted to equal the average THC concentration measured during the performance test for total organic HAP.

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

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

Reference Test Method: Perf. Spec. 8 of 40 CFR 60 appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-59: Compliance Certification

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-59.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 12-59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing kiln after 9/8/2013, then the kiln shall meet an emission limit for hydrochloric acid (HCl) of 3 ppmvd corrected to 7% oxygen.

This limit shall be met during periods of startup and shutdown.

The facility shall demonstrate compliance with this limit initially according to the provisions listed in §63.1348(a)(6) which requires the facility to conduct a performance test according to the provisions in §63.1349(b)(6)(ii). Continuous compliance shall be demonstrated according to the provisions in §63.1348(b)(8) which requires that continuous compliance is demonstrated according to a 7-day rolling average of HCl as measured by a continuous emissions monitor as required in §63.1350(l)(1).

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 3 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: Perf. Spec. 15 of 40CFR60 App. B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-60: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Item 12-60.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41000

Emission Point: 43101

Process: K12

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

CAS No: 001746-01-6

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

Item 12-60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

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

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

The facility must also demonstrate initial compliance with the temperature operating limits specified in §63.1344 by using the performance test methods and procedures listed in §63.1349(b)(3)(ii)-(iv).

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

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

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

Reference Test Method: Method 23 of 40CFR60, Appendix A-7

Averaging Method: 3-HOUR BLOCK AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Reports due 30 days after the reporting period.
The initial report is due 1/30/2012.
Subsequent reports are due every 6 calendar month(s).

Condition 12-61: Compliance Certification
Effective between the dates of 07/19/2011 and 09/09/2013

Applicable Federal Requirement:40CFR 63.1343(b)(3), Subpart LLL

Item 12-61.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Regulated Contaminant(s):

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

Item 12-61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner and/or operator shall not cause to be discharged into the atmosphere any gases which contain D/F in excess of 0.20 ng per dry standard cubic meter (TEQ) corrected to 7% oxygen; or 0.40 ng per dry standard cubic meter (TEQ) corrected to 7% oxygen, when the average of the performance test run average temperatures at the inlet to the particulate matter control device is 204 deg C (400 deg F) or less.

Performance tests shall be performed as per 40 CFR 63.1349(b)(3) and shall be repeated every 30 months.

Upper Permit Limit: .20 nanograms per dry standard cubic meter (corrected to 7% O2)

Reference Test Method: Method 23

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12-62: Compliance Certification
Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-62.1:

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-41000
Process: K12

Emission Point: 45101

Emission Unit: 0-41000
Process: K12

Emission Point: 45201

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

Item 12-62.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing clinker cooler after 9/8/2013 under startup and shutdown, then the clinker cooler shall meet an emission limit for particulate matter (PM) of 0.004 grains/dry standard cubic foot.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(1) which requires the facility to install, operate, calibrate, and maintain a PM CEMS in accordance with the provisions listed in §63.1350(b). The initial compliance demonstration will be based on the first 30 operating days of production with the PM CEMS installed. Continuous compliance will be demonstrated according to the provisions in §63.1348(b)(2) which states that for periods of startup and shutdown the standard shall be based on a 7 day rolling average.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.004 grains per dscf

Reference Test Method: Perf. Spec. 11 of 40 CFR 60, appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-63: Compliance Certification

Effective between the dates of 09/08/2013 and 09/12/2015

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

Item 12-63.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41000
Process: K12

Emission Point: 45101



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

Item 12-63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates an existing clinker cooler as of 9/8/2013, then during normal operating conditions the clinker cooler shall meet an emission limit for particulate matter (PM) of 0.04 lb/ton clinker produced.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(1) which requires the facility to install, operate, calibrate, and maintain a PM CEMS in accordance with the provisions listed in §63.1350(b). The clinker production rate shall be calculated using the provisions listed in §63.1350(d). The initial compliance demonstration will be based on the first 30 operating days of production with the PM CEMS installed.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.04 pounds per ton

Reference Test Method: Perf. Spec. 11 of 40 CFR 60, appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-64: Capping Monitoring Condition

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement: 6 NYCRR Subpart 201-7

Item 12-64.1:

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

6 NYCRR Subpart 231-6

Item 12-64.2:

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Item 12-64.3:

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

Item 12-64.4:

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

Item 12-64.5:

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

Item 12-64.6:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 12-64.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

CAP of VOC to avoid Part 231. Continuous emission monitoring.

Manufacturer Name/Model Number: TBD

Parameter Monitored: VOC

Upper Permit Limit: 254.4 tons per year

Reference Test Method: PS8

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-65: Capping Monitoring Condition

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 201-7

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Item 12-65.1:

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

6 NYCRR Subpart 231-8

Item 12-65.2:

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

Item 12-65.3:

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

Item 12-65.4:

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

Item 12-65.5:

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

Item 12-65.6:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Regulated Contaminant(s):

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

Item 12-65.7:

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Initial stack test 6 months after start up of new kiln to demonstrate compliance with netting calculations for condensibles per test method M202

Parameter Monitored: PM-10

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Upper Permit Limit: 56 tons per year

Reference Test Method: M202

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12-66: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement:6 NYCRR Subpart 231-8

Item 12-66.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

Item 12-66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Continuous emissions monitoring for CO. Allowable emission rate is 2.5 lb of CO per ton of clinker for BACT.

Manufacturer Name/Model Number: tbd

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 2.5 pounds per ton

Reference Test Method: PS4B

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-67: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-67.1:

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Regulated Contaminant(s):

CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 12-67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates a new kiln, then the kiln shall meet an emission limit for hydrochloric acid (HCl) of 3 ppmvd corrected to 7% oxygen. This limit shall be met at all times including during normal operations.

The facility shall demonstrate compliance according to one of the following options:

- 1) The facility shall initially conduct a performance test according to the provisions listed in §63.1348(a)(6) and §63.1349(b)(6)(ii). Continuous compliance shall be demonstrated using a continuous emissions monitor according to the provisions in §63.1348(b)(8) which requires the facility to demonstrate compliance based on a 30 day rolling average, or
- 2) If the facility uses a wet scrubber, the facility may choose to demonstrate compliance with this limit initially according to the provisions listed in §63.1348(a)(6) which requires the facility to conduct a performance test according to the provisions in §63.1349(b)(6)(i). The facility shall also establish site-specific parameter limits and continuously monitor the parameters listed in §63.1350(m)(5)-(7).

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 3 parts per million by volume (dry, corrected to 7% O₂)

Reference Test Method: Perf. Spec. 15 or 63.1350(m)(5) and (m)(7)

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-68: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-68.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-41100

Emission Point: 33401

Process: CCL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility has a new clinker cooler operating under normal conditions, then the clinker cooler shall meet an emission limit for particulate matter (PM) of 0.01 lb/ton clinker produced.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(1) which requires the facility to install, operate, calibrate, and maintain a PM CEMS in accordance with the provisions listed in §63.1350(b). The clinker production rate shall be calculated using the provisions listed in §63.1350(d). The initial compliance demonstration will be based on the first 30 operating days of production with the PM CEMS installed.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.01 pounds per ton

Reference Test Method: Perf. Spec. 11 of 40 CFR 60, appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-69: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-69.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: CCL

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-69.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility has a new clinker cooler operating under startup or shutdown conditions, then the clinker cooler shall meet an emission limit for particulate matter (PM) of 0.0008 grains/dry standard cubic foot.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(1) which requires the facility to install, operate, calibrate, and maintain a PM CEMS in accordance with the provisions listed in §63.1350(b). The initial compliance demonstration will be based on the first 30 operating days of production with the PM CEMS installed. Continuous compliance will be demonstrated according to the provisions in §63.1348(b)(2) which states that for periods of startup and shutdown the standard shall be based on a 7 day rolling average.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.0008 grains per dscf

Reference Test Method: Perf. Spec. 11 of 40 CFR 60, appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-70: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement: 40CFR 60.62(a)(3), NSPS Subpart F

Item 12-70.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

CAS No: 0NY210-00-0

OXIDES OF NITROGEN

Item 12-70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

On and after the date on which the performance test required by §60.8 is completed, the new kiln shall not exceed an emission limit for nitrogen oxide (NO_x) of 1.50

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



pounds per ton of clinker on a 30-operating day rolling average if the kiln commences construction, reconstruction, or modification after June 16, 2008. This limit does not apply to any alkali bypass installed on the kiln.

An operating day includes all valid data obtained in any daily 24-hour period during which the kiln operates and excludes any measurements made during the daily 24-hour period when the kiln was not operating.

The facility will demonstrate compliance with this limit by installing, maintaining, calibrating, and operating a continuous emission monitor (CEM) for NO_x as required in §60.63(d). NO_x emissions from the alkali bypass do not need to be monitored, and NO_x emission monitoring of the kiln exhaust may be done upstream of any comingled alkali bypass gases.

The facility shall determine hourly clinker production by one of the two methods described in §60.63(b)(1).

The CEM device must be installed and operated according to the procedures listed in §60.63(f) and (g).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 1.50 pounds per ton

Reference Test Method: 40 CFR 60, App. B and 60.63(f)(2)

Monitoring Frequency: CONTINUOUS

Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-71: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

Applicable Federal Requirement: 40CFR 60.62(a)(4), NSPS Subpart F

Item 12-71.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 12-71.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

On and after the date on which the performance test required by §60.8 is completed, the new kiln shall not exceed an emission limit for sulfur dioxide (SO₂) of 0.4 pounds per ton of clinker on a 30-operating day rolling average if the kiln commences construction, reconstruction, or modification after June 16, 2008, unless the facility is demonstrating a 90% SO₂ emission reduction across the control device.

An operating day includes all valid data obtained in any daily 24-hour period during which the kiln operates and excludes any measurements made during the daily 24-hour period when the kiln was not operating.

The facility will demonstrate compliance with this limit by installing, maintaining, calibrating, and operating a continuous emission monitor (CEM) for SO₂ as required in §60.63(e). If the facility is complying with the alternative 90% SO₂ emissions reduction emission limit, the facility must also continuously monitor and record the concentration by volume of SO₂ present at the wet scrubber inlet.

The facility shall determine hourly clinker production by one of the two methods described in §60.63(b)(1).

The CEM device must be installed and operated according to the procedures listed in §60.63(f) and (g).

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 0.4 pounds per ton

Reference Test Method: 40 CFR 60, Appendix B and 60.63(f)

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-72: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-72.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

Item 12-72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility has an new kiln operating under normal conditions, then the kiln shall meet an emission limit for mercury of 21 lb/million tons of clinker produced.

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

Parameter Monitored: MERCURY
Upper Permit Limit: .000021 pounds per ton
Reference Test Method: Perf. Spec. 12A or 12B of 40CFR60, App. B
Monitoring Frequency: CONTINUOUS
Averaging Method: 30 DAY ROLLING AVERAGE, ROLLED DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 0 days after the reporting period.
The initial report is due 12/31/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 12-73: Compliance Certification
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-73.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100 Emission Point: 33401
Process: KLN

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

Item 12-73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



If the facility has a new kiln operating under normal conditions, then the kiln shall meet an emission limit for particulate matter (PM) of 0.01 lb/ton clinker produced.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(1) which requires the facility to install, operate, calibrate, and maintain a PM CEMS in accordance with the provisions listed in §63.1350(b). The clinker production rate shall be calculated using the provisions listed in §63.1350(d). The initial compliance demonstration will be based on the first 30 operating days of production with the PM CEMS installed.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.01 pounds per ton

Reference Test Method: Perf. Spec. 11 of 40 CFR 60, appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-74: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-74.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

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

Item 12-74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility has a new kiln, then the kiln shall meet an emission limit for total hydrocarbons (THC) of 24 ppmvd during normal operations.

The facility shall initially demonstrate compliance with this limit by using the performance test methods and procedures in §63.1349(b)(4)(i). The average THC concentration obtained during the first 30 operating days



must be used to demonstrate compliance.

The facility shall then install, calibrate, operate, and maintain a THC continuous emission monitor (CEM) in accordance with the provisions in §63.1350(i) in order to continuously demonstrate compliance with the total organic HAP emission limit. The THC concentration will be calculated on a 30-day rolling average.

Any source subject to the 24 ppmvd limit for THC may elect to meet an alternative limit of 9 ppmvd for total organic HAP. If the source demonstrates compliance with the 9 ppmvd limit for total organic HAP under the requirements of §63.1349, then the source's THC limit will be adjusted to equal the average THC concentration measured during the performance test for total organic HAP.

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

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

Reference Test Method: Perf. Spec. 8 of 40 CFR 60 appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-75: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-75.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

CAS No: 007439-97-6

MERCURY

Item 12-75.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility has a new kiln operating, then during periods of startup and shutdown, the kiln shall meet an emission limit for mercury of 4 micrograms per dry standard cubic meter (ug/dscm).

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

Continuous compliance shall be demonstrated using the provisions under §63.1348(b)(7) which states that the standard must be based on a 7 day rolling average.

Parameter Monitored: MERCURY

Upper Permit Limit: 4 micrograms per dry standard cubic meter (corrected to 7% oxygen)

Reference Test Method: Perf. Spec. 12A or 12B of 40CFR60, App. B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-76: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-76.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12-76.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility has a new kiln operating under startup and shutdown conditions, then the new kiln shall meet an emission limit for particulate matter (PM) of 0.0008 grains/dry standard cubic foot.

The facility shall demonstrate compliance with this limit according to the provisions listed in §63.1348(a)(1) which requires the facility to install, operate, calibrate, and

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



maintain a PM CEMS in accordance with the provisions listed in §63.1350(b). The initial compliance demonstration will be based on the first 30 operating days of production with the PM CEMS installed.

Continuous compliance shall be demonstrated using the provisions under §63.1348(b)(2) which states that the standard must be based on a 7 day rolling average.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.0008 grains per dscf

Reference Test Method: Perf. Spec. 11 of 40 CFR 60, appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-77: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-77.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

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

Item 12-77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility has a new kiln, then the kiln shall meet an emission limit for total hydrocarbons (THC) of 24 ppmvd during periods of startup and shutdown.

The facility shall initially demonstrate compliance with this limit by using the performance test methods and procedures in §63.1349(b)(4)(i). The average THC concentration obtained during the first 30 operating days must be used to demonstrate compliance.

The facility shall then install, calibrate, operate, and maintain a THC continuous emission monitor (CEM) in accordance with the provisions in §63.1350(i) in order to continuously demonstrate compliance with the total organic

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



HAP emission limit. The THC concentration will be calculated on a 7-day rolling average.

Any source subject to the 24 ppmvd limit for THC may elect to meet an alternative limit of 9 ppmvd for total organic HAP. If the source demonstrates compliance with the 9 ppmvd limit for total organic HAP under the requirements of §63.1349, then the source's THC limit will be adjusted to equal the average THC concentration measured during the performance test for total organic HAP.

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

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

Reference Test Method: Perf. Spec. 8 of 40 CFR 60 appendix B

Monitoring Frequency: CONTINUOUS

Averaging Method: 7-DAY AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 12-78: Compliance Certification

Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-78.1:

The Compliance Certification activity will be performed for:

Emission Unit: 0-41100

Emission Point: 33401

Process: KLN

Regulated Contaminant(s):

CAS No: 007647-01-0

HYDROGEN CHLORIDE

Item 12-78.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

If the facility operates a new kiln, then the kiln shall meet an emission limit for hydrochloric acid (HCl) of 3 ppmvd corrected to 7% oxygen. This limit shall be met at all times including during periods of startup and shutdown.

The facility shall demonstrate compliance according to one of the following options:

1) The facility shall initially conduct a performance test according to the provisions listed in §63.1348(a)(6) and



§63.1349(b)(6)(ii). Continuous compliance shall be demonstrated using a continuous emissions monitor according to the provisions in §63.1348(b)(8) which requires the facility to demonstrate compliance based on a 30 day rolling average, or

2) If the facility uses a wet scrubber, the facility may choose to demonstrate compliance with this limit initially according to the provisions listed in §63.1348(a)(6) which requires the facility to conduct a performance test according to the provisions in §63.1349(b)(6)(i). The facility shall also establish site-specific parameter limits and continuously monitor the parameters listed in §63.1350(m)(5)-(7).

Parameter Monitored: HYDROGEN CHLORIDE

Upper Permit Limit: 3 parts per million by volume (dry,
corrected to 7% O₂)

Monitoring Frequency: CONTINUOUS

Averaging Method: 30-DAY ROLLING AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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



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

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

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

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

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

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

Condition 84: Contaminant List
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement:ECL 19-0301

Item 84.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-00-0
Name: FORMALDEHYDE

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



CAS No: 000071-43-2

Name: BENZENE

CAS No: 000074-82-8

Name: METHANE

CAS No: 000075-01-4

Name: VINYL CHLORIDE

CAS No: 000075-07-0

Name: ACETALDEHYDE

CAS No: 000107-02-8

Name: ACROLEIN

CAS No: 000124-38-9

Name: CARBON DIOXIDE

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 001336-36-3

Name: POLYCHLORINATED BIPHENYL

CAS No: 001746-01-6

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

CAS No: 007439-92-1

Name: LEAD

CAS No: 007439-96-5

Name: MANGANESE

CAS No: 007439-97-6

Name: MERCURY

CAS No: 007440-22-4

Name: SILVER

CAS No: 007440-28-0

Name: THALLIUM

CAS No: 007440-36-0

Name: ANTIMONY

CAS No: 007440-38-2

Name: ARSENIC

CAS No: 007440-39-3

Name: BARIUM

CAS No: 007440-41-7

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Name: BERYLLIUM

CAS No: 007440-43-9

Name: CADMIUM

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 007440-48-4

Name: COBALT

CAS No: 007440-50-8

Name: COPPER

CAS No: 007440-62-2

Name: VANADIUM

CAS No: 007440-66-6

Name: ZINC

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

CAS No: 007647-01-0

Name: HYDROGEN CHLORIDE

CAS No: 007664-39-3

Name: HYDROGEN FLUORIDE

CAS No: 007664-41-7

Name: AMMONIA

CAS No: 007704-34-9

Name: SULFUR

CAS No: 018540-29-9

Name: CHROMIUM(VI)

CAS No: 0NY059-28-0

Name: NICKEL (NI 059)

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 0NY075-00-5

Name: PM-10

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 85: Unavoidable noncompliance and violations
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement: 6 NYCRR 201-1.4

Item 85.1:

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

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

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

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

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



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

Condition 12-79: Visible Emissions Limited
Effective between the dates of 07/19/2011 and 09/12/2015

Applicable State Requirement:6 NYCRR 211.2

Item 12-79.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 88: Compliance Demonstration
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 88.1:

The Compliance Demonstration activity will be performed for the Facility.

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

Item 88.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any person who owns or operates an area, parking lot, clinker gallery, railcar loading shed, conveyor tunnel, access road, stockpile, building opening or refuse disposal area, at a Portland cement plant that has the potential to emit visible emissions for one continuous hour or longer, must apply corrective measures to eliminate such potential.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 12-80: Compliance Demonstration
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-80.1:

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

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Emission Unit: 0-41100
Process: KLN

Emission Point: 33401

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 12-80.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of a Portland cement kiln may purchase and use fuel with sulfur content exceeding the fuel sulfur limitations required by Subpart 225-1 of this Title, provided that the burning of such fuel will not result in emissions of sulfur compounds (expressed as sulfur dioxide) to the outdoor atmosphere at a rate greater than would result through the use of fuels otherwise mandated by Subpart 225-1.

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 90: Compliance Demonstration

Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement:6 NYCRR 220-1.6 (b) (1)

Item 90.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-41000
Process: K12

Emission Point: 43101

Regulated Contaminant(s):

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

Item 90.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions limited. The NOx limit supplements the facility's existing NOx compliance strategy which includes the Linkman system, which together with this limit, is approved as RACT. Compliance to be determined in 1 hour sequential blocks (24 values per day).

Manufacturer Name/Model Number: Hartman & Braun model URAS 14; serial number

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



3.249611.3

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 2600 pounds per hour

Reference Test Method: USEPA Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 91: Compliance Demonstration
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement:6 NYCRR 220-1.6 (b) (1)

Item 91.1:

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 0-41000

Emission Point: 43101

Process: K12

Regulated Contaminant(s):

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

Item 91.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

NOx emissions limited during for the production of low-alkali or BWS clinker. The NOx limit supplements the facility's existing NOx compliance strategy which includes the Linkman system, which together with this limit, is approved as RACT. Compliance to be determined in 1-hour sequential blocks (24 values per day).

Manufacturer Name/Model Number: Hartman & Braun model URAS 14; serial number 2150520701

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 3340 pounds per hour

Reference Test Method: USEPA Method 7E

Monitoring Frequency: CONTINUOUS

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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



**** Emission Unit Level ****

Condition 92: Compliance Demonstration
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement: 6 NYCRR 212.9

Item 92.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-41000

Regulated Contaminant(s):

CAS No: 007439-97-6 MERCURY

Item 92.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

Kiln emissions of mercury compounds from this facility, which include elemental mercury, oxidized mercury, and particle bound mercury, have been assigned an A rating under the criteria in Table 1 of Section 212.9. The A rating removes mercury compounds from Part 220 applicability as provided in Subdivision 212.7(b). The degree of air cleaning required for A rated emissions is found in Table 2 of Section 212.9.

Twelve month rolling total mercury emission limit total must be calculated based on the sampling results and throughput records, provided for in this permit, and must not exceed 176 pounds. Reports demonstrating compliance with the limit must be submitted as part of the facility's regular semiannual report.

Lafarge has submitted an application to the Department to construct a new kiln to replace the existing kilns at their Ravenna facility. During the application review period, Lafarge must continue to comply with the 176 pound twelve month rolling total mercury emission limit.

If the Department issues a permit to Lafarge for construction of a new Kiln at the Ravenna facility and Lafarge commences construction of the new kiln within 12 months of permit issuance, Lafarge must continue to comply with the 176 pound twelve month rolling total mercury emission limit during the time the new kiln is under construction and for the first 180 days of operation of



the new kiln. Best Available Control Technology and continuous mercury emissions monitoring will not be required on the existing kilns during the construction period, which must not exceed 42 months, and for the first 180 days of operation of the new kiln. The existing kilns must be shut down within 180 days after the new kiln commences operation.

If the Department denies a permit application for construction of a new kiln at the Ravena Facility, Lafarge must either (1) submit an application to modify the Title V permit for the existing kilns, install and operate Selective NonCatalytic Reduction (SNCR) nitrogen oxides control on the existing kilns by July 1, 2014, install and operate wet Flue Gas Desulphurization (FGD) scrubber control equipment on the existing kilns by January 1, 2015, and install and operate continuous mercury emission monitoring on the kiln stack by January 1, 2015, or (2) shut down the existing kilns within 12 months after the date of the permit denial or by July 1, 2013, whichever is earlier. Lafarge must comply with the 176 pound twelve month rolling total mercury emissions limit until the kilns are shut down or new control equipment is installed.

If the Department issues a permit for construction of a new kiln at the Ravena facility, but Lafarge does not commence construction of a new kiln within 12 months of permit issuance, or Lafarge commences and later suspends construction, Lafarge must either (1) submit an application to modify the Title V permit, install and operate Selective NonCatalytic Reduction nitrogen oxides control on the existing kilns within 36 months of permit issuance, install and operate a wet FGD scrubber on the existing kilns within 48 months of permit issuance, and install and operate a continuous mercury emissions monitoring system within 48 months of permit issuance, or (2) shut down the existing kilns by July 1, 2012 or 18 months after permit issuance, whichever is earlier. Lafarge must comply with the 176 pound twelve month rolling total mercury emissions limit until the existing kilns are shut down or the new control equipment is installed and become operational.

Parameter Monitored: MERCURY

Upper Permit Limit: 176 pounds per year

Reference Test Method: EPA Methods 7471B,7473,7474,3502,1631E or D2216

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)



Reports due 30 days after the reporting period.
The initial report is due 1/30/2011.
Subsequent reports are due every 6 calendar month(s).

Condition 93: Compliance Demonstration
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement:6 NYCRR 212.11

Item 93.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-41000

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

Item 93.2:

Compliance Demonstration shall include the following monitoring:

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

Monitoring Description:

The permittee shall determine mercury emissions for Kilns 1 and 2 on a rolling 12-month basis, using the material balance method, and maintain these records for the purpose of determining compliance with the mercury emission limit as follows:

- a. Samples of the kiln slurry feed, wasted cement kiln dust (CKD), coal, and coke shall be collected during normal operating conditions at least five days each week in accordance with the sampling and analysis protocol approved by the Department.
- b. Samples of each material shall be composited and analyzed to determine the total monthly mercury concentration of the materials being processed.
- c. The methods used to determine mercury concentration shall be EPA Method 3052, EPA Method 1631E, EPA Method D2216, EPA Method 7471B (coal only), or EPA Method 7473 or EPA Method 7474 via a NYS-DOH certified laboratory. No other methods may be used unless prior written approval is received from the Department.
- d. For each material sampled, the monthly mercury throughput rate (pounds per month) shall be the product of the total monthly mercury concentration for the month and the mass of material used during the month.
- e. The permittee shall have the option of collecting,



analyzing and calculating the mercury leaving the process via the clinker.

f. For each month, the mass of mercury emitted from the pyroprocessing system (pounds per month) shall be the sum of the monthly mercury throughput rate for slurry, coal, and coke minus the amounts in the clinker and permanently withdrawn cement kiln dust, if any. The consecutive 12-month mercury emission rate shall be the sum of the individual monthly records for the current month and the preceding eleven months (pounds of mercury per consecutive 12-months) and shall not exceed 176 lbs. Beginning the first month of permit issuance for the first calendar year the sum of individual monthly records shall not exceed 176 lbs. Production sampling and testing records, including calculations and data, shall be completed and submitted to the Department and reported in their Semi-Annual Monitoring Report.

g. If, after one year, CKD and/or clinker analyses reflects that the amount of mercury in the CKD and/or clinker is typically within a small range with low variability, Lafarge may, with prior written approval from the Department, reduce the number of CKD and/or samples taken.

Parameter Monitored: MERCURY

Upper Permit Limit: 176 pounds per year

Reference Test Method: EPA Methods 7471B,7473,7474,3502,1631E or D2216

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 94: Compliance Demonstration
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement:6 NYCRR 220-1.2 (b)

Item 94.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-41000

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 94.2:

Compliance Demonstration shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Except as provided in 6 NYCRR Part 220-1.3, the facility shall not cause or allow emission of particulates to the outdoor atmosphere from a portland cement kiln or clinker cooler in excess of the following emission rates:

(b) for process weight per hour in excess of 100,000 pounds, 0.05 grains per standard cubic foot of gas on a dry basis.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2011.

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

Condition 96: Compliance Demonstration
Effective between the dates of 09/13/2010 and 09/12/2015

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

Item 96.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: 0-41000

Emission Point: 43101

Process: K12

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 96.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: DAILY

New York State Department of Environmental Conservation

Permit ID: 4-0124-00001/00112

Facility DEC ID: 4012400001



Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 12-81: Compliance Demonstration
Effective between the dates of 07/19/2011 and 09/12/2015

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

Item 12-81.1:

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

Emission Unit: 0-41100 Emission Point: 33401
Process: CCL

Emission Unit: 0-41100 Emission Point: 33401
Process: KLN

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

Item 12-81.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

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

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2012.

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

Condition 97: Particulate emissions from dust dumps
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement:6 NYCRR 220-1.5 (a)

Item 97.1:

This Condition applies to Emission Unit: 0-42000

Item 97.2:

The owner or operator of any portland cement dust dump must operate such dust dump in a manner which will minimize the horizontal dimensions of the working face.



Condition 98: Particulate emissions from dust dumps
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement:6 NYCRR 220-1.5 (b)

Item 98.1:

This Condition applies to Emission Unit: 0-42000

Item 98.2:

In cases where the dust dump is within 1500 feet of any receptor, the owner/operator must seal the dust dump either by crusting or backfill twice per year.

Condition 99: Particulate emissions from dust dumps
Effective between the dates of 09/13/2010 and 09/12/2015

Applicable State Requirement:6 NYCRR 220-1.5 (c)

Item 99.1:

This Condition applies to Emission Unit: 0-42000

Item 99.2:

If dumping procedures do not provide adequate protection from dust reentrainment, the owner/operator must install a windbreak. If visible emissions still reach the property line, the owner/operator must precondition the waste dust.

